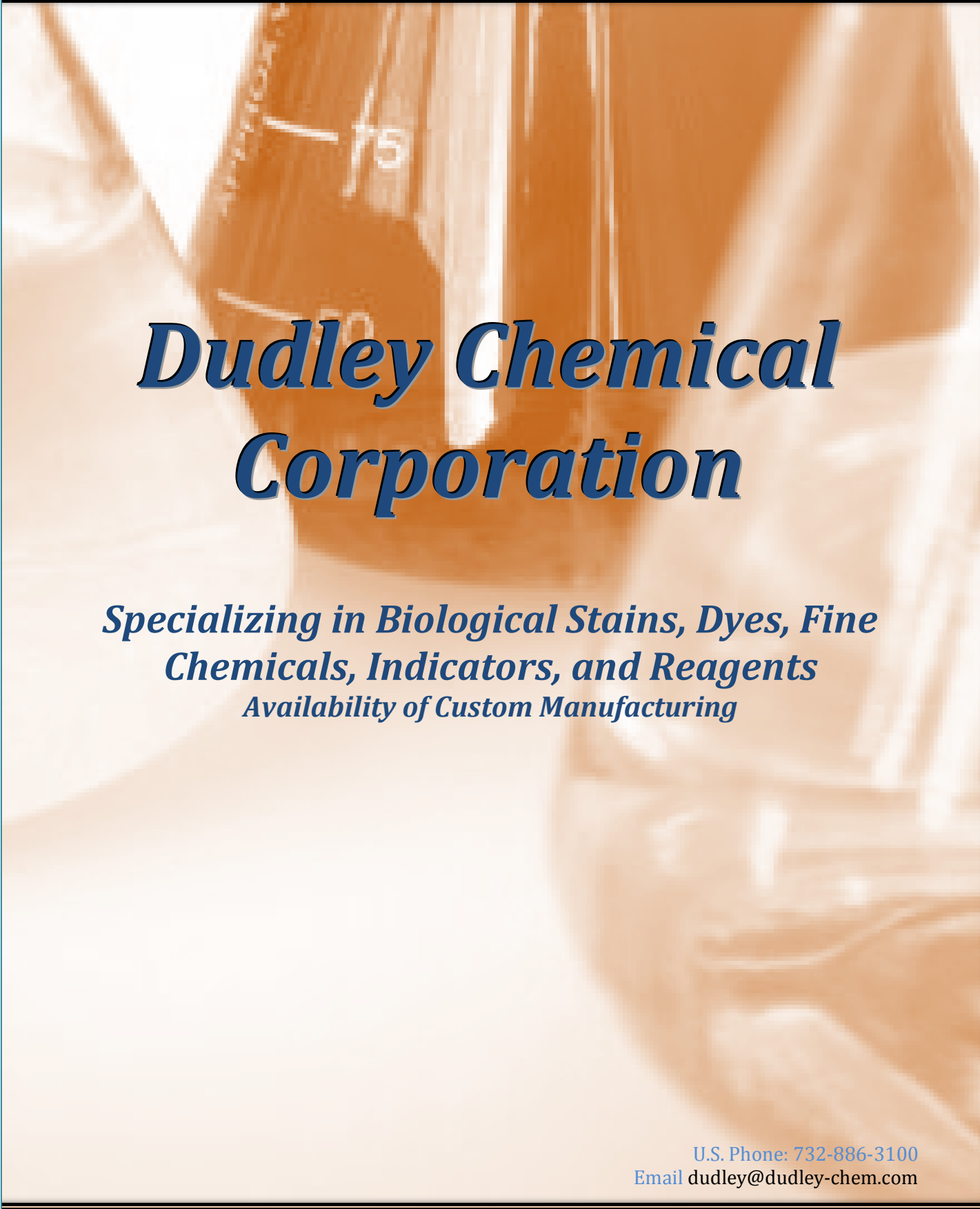




Dudley Chemical Corporation

***Specializing in Biological Stains, Dyes, Fine
Chemicals, Indicators, and Reagents
Availability of Custom Manufacturing***

U.S. Phone: 732-886-3100
Email dudley@dudley-chem.com

2012-2014

***DUDLEY CHEMICAL
CORPORATION***

ISO Certified 9001-2008

***Where Quality and Customer Satisfaction are
our top priority.***

Catalog 2012-2014

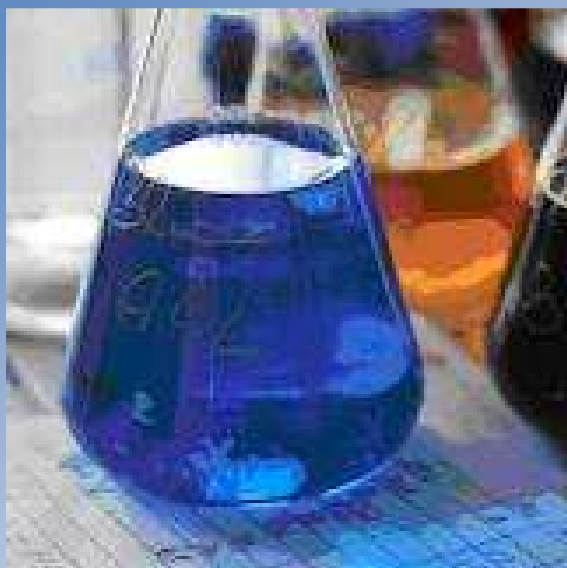
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ABOUT US:

Dudley Chemical Corporation was founded in 1985 and has grown in abundance. We are a family operated chemical facility supplying companies with their chemical requirements and research products. We specialize in Biological Stains, Analytical Reagents, Dyes, Indicators, Intermediates, and Specialty Chemicals. Our focus is on customer satisfaction and our growing relationship with our customers and chemical family.

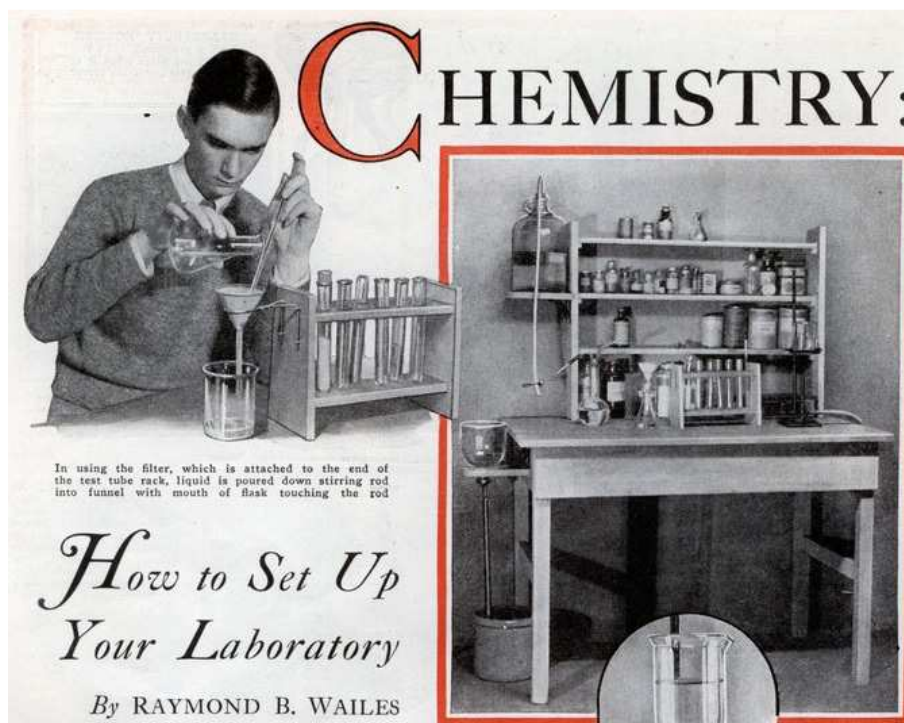
Dudley Chemical Corporation is ISO 9001: 2008 certified, with quality control to ensure that chemicals, stains, intermediates, and dyes are of high quality standards. We provide a range of chemicals ranging from HPLC, Reagent, USP, and ACS specifications and follow GMP standards. A majority of our stains and dyes are certified by the Biological Stain Commission. In addition, our Certificates of Analysis and MSDS' are on our website at www.dudley-chem.com.

Our services include:

- Sourcing for hard-to-find products
- Lot Specialization
- Custom Sizes for Packaging.
- Custom Labeling

Quantity can be purchased with a packing range of 100 grams to 50 kilos net drums.

All products are available from stock with the exception of custom ordered compounds.



General Information:

Shipping: Dudley Chemical ships your orders by the means that you specify whenever possible. Certain chemicals are hazardous and do not comply with every means of shipping. Dudley has the right to change the shipping means to comply with DOT and other shipping regulations. Labeling of materials reflects regulations of the DOT for transit & shipping. Most if not all products are F.O.B Dudley Chemical Corporation.

Pricing and Terms: Pricing is confirmed at the time when a purchase order is received. Payment terms are net 30 days with established credit. Without established credit, payment terms are payment in advance of shipment.

C.I. Numbers: Stands for Color Index numbers. This is a 5-digit number given by the American Association of Textile Chemists and Colorists specific for that dye.

MSDS: Stands for Material Safety Data Sheet. This document states the chemical properties and hazards affiliated along with the product purchased. Every chemical may have hazards in different severities, and should be handled with care and caution. Dudley Chemical tries to ensure all information onto their MSDS for an individual to make a calculated decision in how to handle the material thru their means of safety protocol.

CAS Numbers: CAS stands for Chemical Abstract Service. These numbers help identify products that have multiple names and synonyms with one universal number for the material.

Returns: Requests for a return must be received within 150 days of shipment and if approved those returns have to arrive within 60 days of approval otherwise the return is invalid. All returns without authorization will be refused. Dudley will attempt to work with each customer on the reasoning for their return. However all returned items without valid cause, are subject to a restocking fee of 20% of the net price. Items that are not returnable include non-salvageable material, material that is past its expiration date or an expiration date to short for resale (not less than 90 days from expiration), and special orders (including special packaging), products not purchased from Dudley.

Visit us at www.Dudley-Chem.com for Over 400 Quality Products.

[illegible]

4-ACETAMIDOBENZALDEHYDE 99%

Product#00104

Synonyms: 4-Formylacetanilide

CAS No.: 122-85-0

Formula: $C_9H_9NO_2$



F W: 163.18

Appearance: Pale yellow crystalline powder
 Assay: 99.0% minimum
 Melting Point: 155 °C to 158 °C
 Moisture: 0.5% maximum

4-ACETYLBENZOIC ACID

Product# 00151

Synonyms: 4-Carboxyacetophenone; 4-(1-Oxoethyl)benzoic acid

CAS No: 586-89-0

Formula: $C_9H_8O_3$



F W: 164.16

Appearance: White to light yellow crystal powder
 Solubility: Soluble in water.
 Melting Point: 208-210 °C

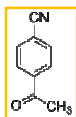
4-ACETYLBENZONITRILE

Product#00172

Synonyms: 4'-Cyanoacetophenone

CAS No: 1443-80-7

Formula: C_9H_7NO



F W: 145.2

Appearance: White to off-white crystalline powder
 Assay (GLC): 99 % minimum
 Melting Point: 55-58 Deg. C (lit.)

ACID BLUE 9 C.I. 42090

Product#00220

Synonyms: Brilliant Blue FCF; C.I. 42090; Erioglaucine disodium salt;
 Alphazurine FG

CAS No: 3844-45-9

Formula: $C_{37}H_{34}Na_2N_2O_9S_3$



F.W.: 792.85

Appearance: Dark blue to purple powder
 Total Dye content: 87% minimum
 (corrected for sample dried at 105 + 1 °C for 2 hours)

Loss on drying at 135 °C, : 13% maximum
 Chlorides and sulfates express as sodium salt
 Water-insoluble matter: 0.2% maximum

Subsidiary dyes: 3.0% maximum
 Dye intermediates: 1.8% maximum
 Lead (Pb): 10 ppm maximum
 Arsenic (As): 1 ppm maximum
 Heavy metals (as Pb): 40 ppm maximum
 Solubility : Clear to opaque blue to blue black
 (1 mg/ml, H₂O) solution

ACID BLUE 29 C.I. 20460

Product#00241

Synonym: Mordant Blue 82

CAS No: 5850-35-1

Formula: $C_{22}H_{14}N_6O_9S_2Na_2$



F W: 616.50

Appearance: Dark brown to navy blue or black powder
 Identification: Conforms to structure and standard
 Lambda max.: 602 nm in H₂O
 Dye content: > 45%
 Solubility: Opaque, dark blue solution
 (0.1% in H₂O)

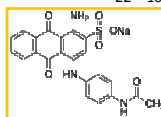
ACID BLUE 40 C.I. 62125

Product#00282

Synonyms: C.I. 62125; Alizarin Direct Blue A2G

CAS No: 6424-85-7

Formula: $C_{22}H_{16}N_3NaO_6S$



F W: 473.43

Appearance: Blue-black powder
 Lambda max.: 610(380)nm in water
 Solubility: Soluble in acetone and slightly soluble in alcohol.

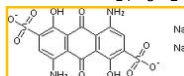
ACID BLUE 45 C.I. 63010

Product#00300

Synonyms: C.I. 63010

CAS No.: 2861-02-1

Formula: $C_{14}H_8N_2Na_2O_{10}S_2$



F W: 474.34

Appearance: Medium-purple powder
 Insolubles: 1.0% maximum
 Lambda max.: 594nm in water

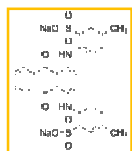
ACID GREEN 25 C.I. 61570

Product#00381

Synonyms: Alizarin Cyanine Green G; C.I. 61570

CAS No: 4403-90-1

Formula: $C_{28}H_{20}N_2Na_2O_8S_2$



F W: 622.59

Appearance: Dark Blue-green powder
Melting Point: 235-238 °C (lit.)
Dye content: 85% minimum
(c=20 mg/l) at 610 nm Lambda max.
Solubility: H₂O 60 mg/ml, EGME 30 mg/ml
EtOH 2 mg/ml

ACID VIOLET 17

Product#00522

Synonyms: Coomassie® Violet R200; Formyl Violet
C.I. No.: 42650

CAS No: 4129-84-4

Formula: C₄₁H₄₄N₃O₆S₂Na



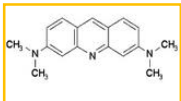
F.W.:761.92

Appearance: Dark Purple to dark green to green brown or bluish
violet crystalline powder
Identification (IR): Conforms to structure
Dye content: ≥ 48.0%
UV Vis: 543 - 549nm ≥ 34,000 (c = 0.02 g/l)
304 - 310nm ≥ 9,000
250 - 256nm ≥ 9,000
Solubility: H₂O 30 mg/ml, EGME 30 mg/ml
EtOH 6 mg/ml

ACRIDINE ORANGE BASE

Product#00908

Synonyms: 3,6-Bis(dimethylamino)acridine; Solvent Orange 15
CAS No: 494-38-2
Formula: C₁₇H₁₉N₃



F W: 265.35

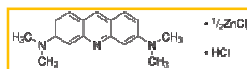
Appearance: Brown to orange-brown powder
Identification: Complies
Dye content: > 75%
Lambda max.: 488 nm in methanol
Solubility: Clear, orange to red orange solution
(1 mg/ml 1N HCL)

ACRIDINE ORANGE C.I. 46005

Product#00910

Synonyms: Basic Orange 14; C.I. 46005; 3,6-

Bis(dimethylamino)acridine hydrochloride zinc chloride double salt
CAS No: 10127-02-3
Formula: C₁₇H₂₀N₃ZnCl₂



F W: 400.94

Appearance: Reddish-Brown powder
Solubility/Clarity: Complies
Loss on drying @105 °C/1hr: Report
Spectro Photometric Assay Conc. 10mg/l in acetic acid and water
Mixture (20:80) at 492.5 nm

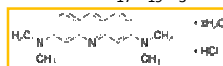
ACRIDINE ORANGE HCL

Product#00914

Synonyms: Acridine Orange hydrochloride hydrate 99%

CAS No: 65-61-2

Formula: C₁₇H₁₉N₃*HCl*xH₂O



F W: 301.81 (anhydrous base)

Appearance: Burnt-Orange to Brick-Red Powder and/or lumps.
Infrared Spectrum: Conforms to Structure
UV-Visible Spectrum: C=0.005 G/L in H₂O
E492(+/-3NM) Typically >=35,000
E268(+/-3NM) Typically >=35,000
E230(+/-3NM) Typically >=14,000
Solubility: 0.1% in H₂O; Clear, Orange to Red-Orange Solution.
Loss on Drying: 15% maximum

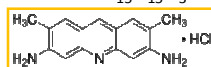
ACRIDINE YELLOW G

Product#00920

Synonyms: 2,7-Dimethylacridin-3,6-ylidiamine hydrochloride;
C.I. 46025

CAS No: 135-49-9

Formula: C₁₅H₁₅N₃*HCl



F W: 273.76

Appearance: Copper to dark orange crystalline powder
Infrared Spectrum: Conforms to structure and standard
Dye content: ~90.0%
Lambda max.: 442nm in water
Elemental Analysis: Carbon: 57.90% - 73.70%
Nitrogen: 13.50% - 17.20%
Solubility(4 mg/ml in H₂O): Clear, yellow to orange solution
Loss on Drying: < 10%

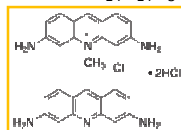
ACRIFLAVINE HYDROCHLORIDE

Product#00965

Synonyms: Acriflavine Hydrochloride

CAS No.: 8063-24-9

Formula: C₁₄H₁₄N₃Cl



F W: 259.74

Appearance: Red to orange to brown powder
Solubility/Clarity: Completely soluble Clear orange to brown solution
Certain Other Acridine Derivatives: To pass test
Sulfated Ash: Maximum 1.0%

Loss on drying(105 Deg. C/ 1 Hr.): Maximum 6.5%
Assay: Min. 98.5% Max. 105%

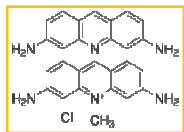
ACRIFLAVINE NEUTRAL

Product#00969

Synonyms: Acriflavine Base; Euflavine;
3,6-Diamino-10-methylacridinium chloride

CAS No: 8048-52-0

Formula: $C_{14}H_{14}ClN_3$



F.W.: 259.7

Appearance: Orange to Red-Brown powder
Identification: To Pass test
Solubility(at 50 mg/ml in water): Clear Orange solution
Water-insoluble matter: 0.5% maximum
UV-VIS Spectrum: $E(462 \pm 3nm) = 48,000$ (minimum)
 $C=0.004$ G/L in Methanol
 $E(262 \pm 3nm) = 50,000$ (minimum)
Sulfated Ash: 3.5% maximum
Loss on drying@105 Deg. C/1 hour: 8.0% maximum
Assay for Chlorine content dried at 105°C for 2 hrs: 13.3% to 15.8%

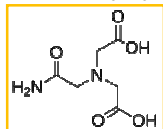
ADA-ACETAMIDOIMINODIACETIC ACID

Product#01020

Synonyms: n-(2-Acetamido)iminodiacetic acid

CAS No: 26239-55-4

Formula: $C_6H_{10}N_2O_5$



F.W.: 190.20

Appearance: White crystalline powder
Assay: 99% min.
Melting Point: 209-221 deg. C
Sulfate: <50ppm
Loss on Drying @105°C: <0.2%
Insolubles: <0.1%
Iron (Fe): <10 ppm
Lead (Pb): <10 ppm

1-ADAMANTANAMINE 99%

Product#01092

Synonyms: 1-Adamantylamine; 1-Aminoadamantane

CAS No: 768-94-5

Formula: $C_{10}H_{17}N$



F W: 151.2

Appearance: White to light yellow powder and/or chunks
Assay (GC): 97% minimum
Identification: To Pass Test
Melting Point: 206-208 Deg. C
Solubility(50 mg/ml, 1N HCl): Clear, colorless solution

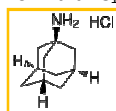
1-ADAMANTANAMINE HCL

Product#01095

Synonyms: 1-Aminoadamantanehydrochloride;
Amantadine hydrochloride

CAS No: 665-66-7

Formula: $C_{10}H_{17}N \cdot HCl$



F.W.: 187.72

Appearance: White to off-white powder
Assay: 99.0% min.
Identification: Conforms to standard and structure
Melting Point: >300 Deg. C
pH (1 g in 5 ml of water): 3.0 – 5.5
Clarity of Solution: Clear to nearly colorless solution
Heavy metals (as Pb): <10 ppm
Chromatographic Purity: a. Individual impurity: $\leq 0.3\%$
b. Total impurity: $\leq 1.0\%$
Organic Volatiles impurities: To pass test
Residual Solvent (acetone): ≤ 5000 ppm

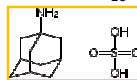
1-ADAMANTANAMINE SULFATE

Product#01100

Synonyms: 1-Aminoadamantane sulfate; Adamantylamine sulfate;
Amantadine Sulfate; tricycle[3.3.1.1^{3,7}]Decan-1-Amine sulfate

CAS: 31377-23-8

Formula: $C_{10}H_{17}N \cdot H_2S$



F.W.: 249.33

Appearance: White Fine Crystalline Powder
Infrared Spectrometry: Authentic
Assay: > 98.5%

ADAMANTANE 99%

Product#01201

Synonyms: None known

CAS No: 281-23-2

Formula: $C_{10}H_{16}$



F.W: 136.24

Appearance: White to beige crystals or crystalline powder
Identification (IR): Conforms to structure and standard
Assay (GC): 99.0% Min.
Water (K.F. Titration): 0.10% Max.
Melting Range: 266-268 °C

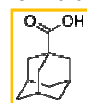
ADAMANTANECARBOXYLIC ACID

Product#01210

Synonyms: Adamantane-1-carboxylic acid

CAS No: 828-51-3

Formula: $C_{12}H_{16}O_2$



F.W.: 180.25

Appearance: White crystalline powder
 Assay(titration): 99.0% Minimum
 Melting Range: 172-174 Deg. C
 Loss on drying P2O5): 0.50% Maximum
 Identification(IR Spectrum): Complies to standard
 Clarity of solution(10% in Ethanol): To pass test
 Sulfated ash: 0.10% Maximum

1-ADAMANTANEETHANOL 98% Product#01214

Synonyms: 2-(1-Adamantyl)ethanol
 CAS No: 6240-11-5
 Formula: C₁₂H₂₀O



F. W.: 180.29

Appearance: White to Off-White Powder, Chunks or Solid
 Assay(titration): Minimum 99%
 Identification (IR Spectrum): Conforms to structure and standard
 Proton NMR Spectrum: Conforms to structure
 Gas Liquid: 97.5% (Minimum)

1-ADAMANTANOL 99% Product#01220

Synonyms: 1-Hydroxyadamantane; Tricyclo (3.3.1.1(Sup 3,2) decan-1.01
 CAS No: 768-95-6
 Formula: C₁₀H₁₆O

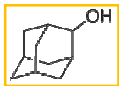


F. W.: 152.24

Appearance: White to off white powder, granules, crystals,
 crystalline powder and/or chunks
 Identification (IR): Conforms to structure and standard
 Assay: 98.50% Minimum
 Melting Range: 274-280 ° C
 Solubility (5% in ethanol): Clear, colorless to faint yellow solution
 Sulfated Ash: 0.1% Maximum

2-ADAMANTANOL Product#01226

Synonyms: 4-Chlorodiphenyl Ether
 CAS No.: 700-57-2
 Formula: C₁₀H₁₆O



F. W.: 152.24

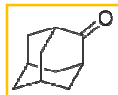
Appearance: White to yellow powder, granules, crystals, crystalline

Assay: 98.0% minimum
 Melting Point: 260 - 265 °C
 Sulfated Ash: 0.1% maximum

2-ADAMANTANONE Product#01236

Synonyms: Tricyclo[3.3.1.1(3,7)decane-2-one; 2-Oxoadamantane

CAS No.: 700-58-3
 Formula: C₁₀H₁₄O



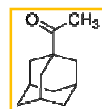
F.W.: 150.22

Appearance: White to off-white crystalline powder
 Identification: Complies with standard
 Assay (GC): 99.0% Minimum
 Melting Point: 270 °C Minimum
 Loss on drying: 0.5% Maximum
 Sulfated Ash: 0.10% Maximum
 Clarity (10%, dichloromethane): Colorless transparent solution
 Solubility: Insoluble in water

1-ADAMANTYL METHYL KETONE Product#01240

Synonyms: 1-Acetyl-tricyclo[3.3.1.1(3,7)decane:
 1-Acetyladamantane

CAS No.: 1660-04-4
 Formula: C₁₂H₁₈O

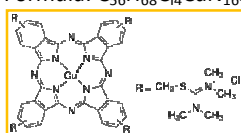


F.W.: 178.28

Appearance: White to off-white crystalline powder
 Identification: Complies with standard
 Assay (GC): Minimum 99%
 Melting range: 53 - 55 deg. C
 Flash Point: 227 Deg. F (108 Deg. C)

ALCIAN BLUE 8GX CERTIFIED Product#02701

Synonyms: Ingrain Blue 1
 CAS No: 33864-99-2
 Formula: C₅₆H₆₈C₁₄CuN₁₆S₄

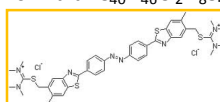


F.W.: 1298.88

Appearance: Dark Blue Powder
 Identification: Passes Test
 Solubility: Dark Blue Solution @ 4MG Plus 4 mL of water
 Dye Content: 50% Minimum
 Absorption Max (Spectroscopy): 615 nm in water

ALCIAN YELLOW C.I. 12840 Product#02704

Synonyms: Ingrain Yellow 1; C.I. No.: 12840
 CAS No: 61968-76-1
 Formula: C₄₀H₄₆Cl₂N₈S₄



F.W.: 838.03

Appearance: Rust-colored powder

Identification: To pass test
Dye Content: Minimum 55%
Lambda max. 388nm in methanol
Solubility: H₂O 20 mg/ml, EGME 30 mg/ml, EtOH 10 mg/ml

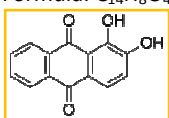
ALIZARIN C.I. 58000

Product#02782

Synonyms: Mordant Red 11; 1,2-Dihydroxy- 9,10-Anthraquinone;
1,2-dihydroxyanthraquinone

CAS No.: 72-48-0

Formula: C₁₄H₈O₄



F.W.: 240.21

Appearance: Dull orange powder
Dye Content: 97% Minimum
Melting Point: 287-289 °C
Loss on drying: 1.5% Maximum
Sulfated Ash: 1.0% Maximum
Visual Transition Interval: From pH 5.5 (yellow)
To pH 6.8 (violet) and
From pH 10.1 (violet)
To pH 12.1 (purple)

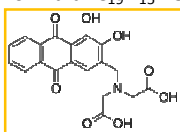
ALIZARIN COMPLEXONE 2 HY

Product#02793

Synonyms: Alizarin-3-methyliminodiacetic acid; Alizarin Fluorine Blue;
3,4-Dihydroxy-Anthraquinon-2-yl-methyliminodiacetic Acid.

CAS No: 3952-78-1

Formula: C₁₉H₁₅NO₈ · 2H₂O



F.W.: 421.36

Appearance: Yellow to orange to brown powder
Lambda Max: 425 - 430nm in methanol
Solubility(10 mg/ml in 1M Sodium Hydroxide): Blue to purple solution
Water (K.F.): < 9.5%
Assay: 97% - 103% (on dry substance)

ALIZARIN RED S CERTIFIED

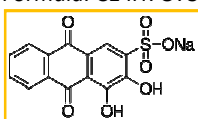
Product#02851

Synonyms: Mordant Red 3, Sodium alizarin sulfonate;

Alizarin sulfonic acid sodium salt; Alizarin carmine;
3,4-Dihydroxy-9, 10-dioxo-2-anthracenesulfonic acid sodium salt.

CAS No: 130-22-3

Formula: C₁₄H₇O₇SN_a



F.W.: 342.26

Appearance: Yellow to orange to brown powder
Identification: Conforms to structure and Standard
Loss on Drying @110 Deg. C: 10.0% Maximum

Solubility (0.1% in H₂O): Clear yellow liquid
Visual transition Interval: From pH 3.5 (yellow) to pH 6.5 (pink)
And From pH 9.4 (orange) to pH 12.0 (violet)

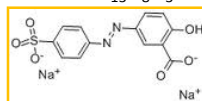
ALIZARIN YELLOW GG

Product#02861

Synonyms: Mordant Yellow, Alizarin Yellow 2G,
5-(3-Nitrophenylazo)salicylic acid sodium salt.

CAS No: 584-49-9

Formula: C₁₃H₈N₃NaO₅



F.W.: 309.21

Appearance: Yellow to orange to brown powder
Infrared Spectrum: Conforms to Standard
Lambda Max.: 359-365 nm
Loss on Drying: 5% maximum
Visual transition Interval: From pH 10 – Yellow
To pH 12 - Orange

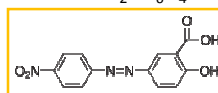
ALIZARIN YELLOW R FREE ACID

Product#02869

Synonyms: Mordant Orange 1; Alizarin Yellow R Sodium Salt;
5-(p-Nitrophenylazo)Salicylic Acid Sodium Salt; Sodium p-
Nitrobenzeneazosalicylate; C.I. No: 14030

CAS No.: 2243-76-7

Formula: O₂NC₆H₄N=NC₆H₃-2'(OH) CO₂H



F.W.: 287.23

Appearance: Reddish Orange Powder
Solubility(0.1% IN Ethanol): Clear Yellow Solution
Absorptivity In Ethanol: (A 1%/1cm) max-385nm-1004
Loss on drying(110 deg.C): Max. 3%
Melting Point: >300 deg. C
Dye Content: Min. 75%

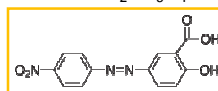
ALIZARIN YELLOW R SODIUM SALT

Product#02872

Synonyms: Mordant Orange 1; Alizarin Yellow R Sodium Salt;
5-(p-Nitrophenylazo)Salicylic Acid Sodium Salt; Sodium p-
Nitrobenzeneazosalicylate; C.I. No: 14030

CAS No.: 2243-76-7

Formula: O₂NC₆H₄N=NC₆H₃-2'(OH) CO₂H



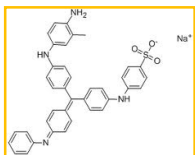
F.W.: 287.23

Appearance: Reddish Orange Powder
Solubility(0.1% IN Ethanol): Clear Yellow Solution
Absorptivity In Ethanol: (A 1%/1cm) max-385nm-1004
Loss on drying(110 deg.C): Max. 3%
Melting Point: >300 deg. C
Dye Content: Min. 75%

ALKALI BLUE 6B

Product#02882

Synonyms: Acid Blue 110
 CAS No.: 30586-13-1
 Formula: C₃₂H₂₈N₃NaO₄S



F.W.: 573.65

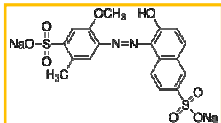
Appearance: Dark blue powder
 Dye content: ~80%
 Visual transition interval: From pH 9.4 (blue)
 To pH 14.0 (red)
 Lambda max.: 603nm in methanol + 1 ml 1N hydrochloric acid

ALLURA RED

Product#02890

Synonyms: 6-Hydroxy-5-((6-methoxy-4-sulfo-m-tolyl)azo)-2-naphthalene sulfonic acid disodium salt;
 2-Naphthalenesulfonic acid, 6-hydroxy-5-(2-methoxy-5-methyl-4-sulfonylphenyl)azo-, disodium salt.

CAS No.: 25956-17-6
 Formula: C₁₈H₁₄N₂Na₂O₈S₂



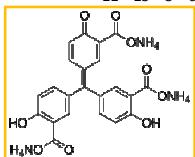
F.W.: 496.42

Appearance: Red to Maroon powder
 Total Dye content by mass: >85.0%
 Subsidiary dyes by mass: <3.0%
 Water insoluble matter: <0.2%
 Arsenic (As) mg/kg: <3.0
 Lead (Pb) mg/kg: <10.0
 Mercury (Hg) mg/kg: <1.0
 Chromium (Cr) mg/kg: <15.0
 Cadmium (Cd) mg/kg: <1.0
 Heavy Metals mg/kg: <40.0

ALUMINON ACS

Product#02900

Synonyms: Aurin Tricarboxylic Acid, [tri] Ammonium Salt; C.I.43810
 CAS No.: 569-58-4
 Formula: C₂₂H₂₃N₃O₉



F.W.: 473.44

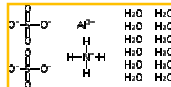
Appearance: Dark Red Crystalline Powder
 Sensitivity for Aluminum: Passes Test
 Insoluble Matter: 0.1% maximum
 Residue after Ignition: 0.2% maximum
 Melting Point: 220° C to 225° C
 Solubility 100 mg/ml, H₂O: Opaque, dark red solution

DUDLEY CHEMICAL**ALUMINUM AMMONIUM SULFATE ACS**

Product#02925

Synonyms: Ammonium aluminum dodecahydrate;
 Aluminum ammonium disulfate dodecahydrate;
 Aluminum ammonium disulfate, 12 hydrate, sulfonic acid
 aluminum ammonium salt (2:1:1), dodecahydrate

CAS No: 7784-26-1

Formula: AlNH₄(SO₄)₂ * 12H₂O

F.W.: 453.33

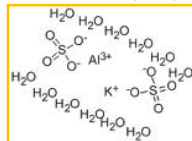
Appearance: White crystals
 Assay: 98 - 102%
 Insoluble Matter: 0.005% maximum
 Chloride (Cl): 0.001 %
 Potassium (K): 0.05 %
 Calcium (Ca): 0.05 %
 Heavy Metals (as Pb): 0.001 %
 Iron (Fe): 0.001 %
 Sodium (Na): 0.01 %
 Clarity of Solution (10 gram/150 ml of H₂O + 5 ml of 25% H₂SO₄): Clear & Complete

ALUMINUM POTASSIUM SULFATE ACS

Product#02950

Synonyms: Sulfuric acid, aluminum potassium salt (2:1:1), dodecahydrate; potassium alum dodecahydrate; Alum potassium USP powder TAC; Potassium alum; Potash alum; Alum; Kalinite

CAS No: 7784-24-9

Formula: AlK(SO₄)₂ * 12H₂O

F.W.: 474.39

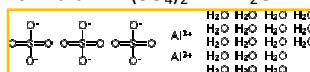
Appearance: White crystals
 Assay: 98 - 102%
 Melting Point: 92 C
 Insoluble Matter: 0.005% maximum
 Chloride: 5 ppm
 Ammonium: 0.005 %
 Heavy Metals: 0.001 %
 Iron: 0.001 %
 Sodium: 0.02 %

ALUMINUM SULFATE 18 HY ACS

Product#02960

Synonyms: Alum Potassium alum Potassium aluminum sulfate dodecahydrate

CAS No: 7784-24-9

Formula: AlK(SO₄)₂ * 12H₂O

F.W.: 666.43

Appearance: White crystals
 Assay: 98 - 102%
 Insoluble Matter(13.3% DIL H₂SO₄): ≤0.01%
 Chloride Content: ≤0.005%

Calcium (Ca):	≤ 0.01%
Magnesium (Mg):	≤ 0.002%
Potassium (K):	≤ 0.005%
Heavy Metals(as Pb):	≤ 0.001 %
Iron:	≤ 0.002 %
Sodium:	≤ 0.02 %

Appearance:	Pale Yellow Crystalline Powder
Melting Point:	>275 °C
Loss on drying:	8% Maximum
Assay:	98% Minimum
Solubility:	To pass test
Lambda max.	400(420)nm in water

AMARANTH

Product#03021

Synonyms: Acid Red 27; Acetacid Red 2BR; Acilan Red SE; Azo Red R; Azo Rubine SF; Bordeaux S;
3-Hydroxy-4-((4-sulfo-1-naphthalenyl)azo)-2,7-naphthalenedisulfonic acid trisodium salt.

CAS No: 915-67-3

Formula: $C_{20}H_{11}N_2Na_3O_{10}S_3$



F.W.: 604.47

Appearance:	Brown to brown with a red cast powder
Total coloring matter Calculated as the sodium Salt:	85% minimum
Water-insoluble matter:	0.20% maximum
Subsidiary dyes:	3.0% maximum
Solubility(10 mg/ml in H ₂ O):	Clear dark red to red-brown solution
Cadmium (mg/kg):	1.0 maximum
Mercury (mg/kg):	1.0 maximum
Arsenic (mg/kg):	3.0 maximum
Lead (mg/kg):	10.0 maximum
Heavy metals (as Pb) (mg/kg):	40.0 maximum

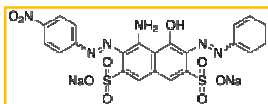
AMIDO BLACK 10B C.I. 20470

Product#03112

Synonyms: Naphthol Blue Black; Amido Schwarz; C.I. No.: 20470
4-Amino-5-Hydroxy-3-(p-nitrophenylazo)-6-(phenylazo)-2,7-naphthalenedisulfonic acid, disodium salt

CAS No: 1604-48-8

Formula: $C_{22}H_{14}N_6Na_2O_9S_2$



F.W.: 616.50

Appearance:	Dark brown to reddish-black powder
Identification:	To conform to structure and standard
Absorptivity 1%/1cm at Lambda Max 618.0 nm:	750 - 960

Solubility 0.1% (dist.water):	Clear blue solution
Loss on drying@ 105 deg. C:	10.0% maximum

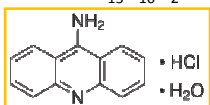
9-AMINOACRIDINE HCL

Product#03141

Synonyms: Acramine Yellow; Monacrin

CAS No: 52417-22-8

Formula: $C_{13}H_{10}N_2 \cdot HCl \cdot H_2O$



F.W.: 248.71

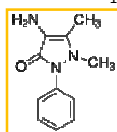
4-AMINOANTIPYRINE ACS

Product#03148

Synonyms: Ampyrone

CAS No: 83-07-8

Formula: $C_{11}H_{13}N_3O_2$



F.W.: 203.25

Appearance:	Light yellow to tan fine crystals
Identification:	To pass test
Melting Point:	107-109 deg. C
Assay:	98.0% minimum
Sensitivity to phenol:	Passes Test
Residue after Ignition:	0.10% maximum
Loss on drying:	0.5% maximum
Clarity of solution(1g/20ml water):	Clear solution
Clarity of solution(1g/20ml EtOH):	Clear solution

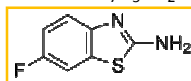
2-AMINO-6-FLUOROBENZOTHAZOLE

Product#03150

Synonyms: 6-Fluoro-2-benzothiazolamine

CAS No: 348-40-3

Formula: $C_7H_5FN_2S$



F.W.: 168.19

Appearance:	Off-White to tan Powder
Assay:	99.0% minimum.
Melting Point:	183-184 °C
Solubility 1% in methanol at room temperature:	Clear, straw-colored solution.

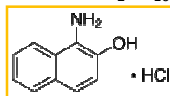
1-AMINO-2-NAPHTHOL HCL

Product#03152

Synonyms: 2-Hydroxy-1-naphthylamine Hydrochloride

CAS No.: 1198-27-2

Formula: $H_2NC_{10}H_6OH \cdot HCl$



F. W.: 195.65

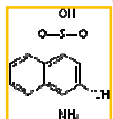
Appearance:	Off-white to beige powder
Moisture:	1.0% maximum
Assay (HPLC):	90.0% minimum
Melting Point:	>250 C
Salt:	1.0% maximum
Solubility (5% in methanol):	Clear, brownish solution

1-AMINO-2-NAPHTHOL-4- SULFONIC ACID ACS

Product#03156

Synonyms: 4-Amino-3-hydroxy-1-naphthalene Sulfonic Acid

CAS No: 116-63-2

Formula: $\text{H}_2\text{N}(\text{HO})\text{C}_{10}\text{H}_5\text{SO}_3\text{H}$ 

F.W.: 239.25

Appearance: White to slightly brownish-pink to light purple powder

Assay: $\geq 98.0\%$

Solubility in sodium carbonate: To Pass Test

Residue after ignition: 0.1 % maximum

Sulfate (SO4) 0.2 % maximum

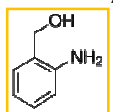
Sensitivity to phosphate: To Pass Test

2-AMINO BENZYL ALCOHOL

Product#03165

Synonyms: 2-Hydroxymethylaniline; 2-aminobenzenemethanol;
o-Aminobenzyl alcohol

C.A.S.: 5344-90-1

Formula: $\text{C}_7\text{H}_9\text{NO}$ 

F.W.: 123.16

Appearance: Yellow to light tan crystalline powder

Assay: 98% minimum

Melting Point: 78 - 83 Deg. C

Boiling Point: 162 Deg. C / 15 mm Hg

Solubility 50 mg/ml in water: Clear, very faint yellow solution

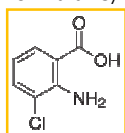
Moisture: 0.5% maximum

2-AMINO-3-CHLOROBENZOIC ACID

Product#03170

Synonyms: 3-Chloroanthranilic Acid

CAS No: 6388-47-2

Formula: $\text{C}_7\text{H}_6\text{ClNO}_2$ 

F.W.: 171.6

Appearance: White to tan, yellow or grey crystalline powder

Assay: 98% minimum

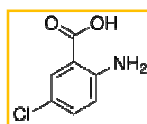
Loss on drying: 0.50% maximum

Melting Point: 190-194 Deg. C

2-AMINO-5-CHLOROBENZOIC ACID 98% Product#03173

Synonyms: 5-Chloroanthranilic Acid

CAS No.: 635-21-2

Formula: $\text{C}_7\text{H}_6\text{ClNO}_2$ 

F.W. 171.58

Appearance: Yellow-Grey to Light Brown powder

Infrared Spectrometry: Authentic

Melting Point: 209°C to 213°C

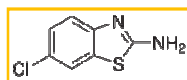
Assay Acid: >97.5%

Separat. Techn. HPLC: >97.5%

2-AMINO-6-CHLOROBENZOIC ACID 99% Product#03176

Synonyms: 6-Chloroanthranilic Acid

CAS No: 2148-56-3

Formula: $\text{C}_7\text{H}_6\text{ClNO}_2$ 

F.W.: 171.58

Appearance: Light Yellow to beige Crystalline Powder

Infrared spectrometry: Conforms to standard.

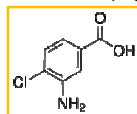
Melting Point: 143 to 147° C

Assay: 98.5 to 101.5 %

3-AMINO-4-CHLOROBENZOIC ACID 98% Product#03178

Synonyms: 4-Chloroanthranilic Acid

CAS No: 2840-28-0

Formula: $\text{C}_7\text{H}_6\text{ClNO}_2$ 

F.W.: 171.58

Appearance: Off-White Crystalline Powder

Assay: 98% Minimum

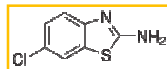
Melting Point: 214-215 C

2-AMINO-6-CHLOROBENZOTHAZOLE 99%

Product#03180

Synonyms: 6-Chlorobenzothiazol-2-ylamine

CAS No: 95-24-9

Formula: $\text{C}_7\text{H}_5\text{ClN}_2\text{S}$ 

F.W.: 184.6

Appearance: White to off-white powder

Assay: 99% Minimum

Melting Point: 198 - 202 Deg.C (lit.)

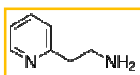
2-(2-AMINOETHYL)PYRIDINE

Product#03182

Synonyms: 2-Pyridylethylamine

CAS No.: 2706-56-1

Formula: $\text{C}_7\text{H}_{10}\text{N}_2$



F.W.: 122.2

Appearance: Colorless to light yellow transparent liquid
 Infrared Spectrum: Conforms to structure and standard
 Assay (GC): ~95%
 Boiling Point: 92-93 Deg. C/12 mm Hg
 Flash Point: 213 Deg. F

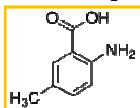
2-AMINO-5-METHYLBENZOIC ACID

Product#03183

Synonyms: (5-METHYLANTHRANILIC ACID)

CAS No.: 2941-78-8

Formula: $H_2NC_6H_3(CH_3)CO_2H$



F.W.: 151.17

Appearance: White to slightly yellow, or tan crystalline powder
 Infrared Spectrum: Conforms to structure and standard
 Assay (HPLC): 99.0% minimum
 Melting Point: 174 °C to 179 °C
 Loss on drying: 0.50% maximum

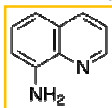
8-AMINOQUINOLINE

Product#03186

Synonyms: 8-Quinolinamine

CAS No.: 578-66-5

Formula: $C_9H_8N_2$



F. W.: 144.18

Appearance: Yellow to green, tan or brown crystalline powder
 Identification: Conforms to structure and standard
 Melting Point: 65 °C to 68 °C
 Assay (HPLC): 98.0% minimum
 Moisture: <2.5%
 Solubility (2.5% in Acetone): Clear green, yellow to brown solution.

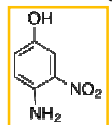
4-AMINO-3-NITROPHENOL, 98%

Product#03192

Synonyms: 4-Hydroxy-2-nitroaniline

CAS No.: 610-81-1

Formula: $C_6H_6N_2O_3$



F. W.: 154.13

Appearance: Dark Red to maroon crystalline powder
 Infrared Spectrum: To Conform to structure and standard
 Assay (HPLC): 98.0% Minimum
 Melting Point: 151-153 °C
 Loss on Drying: 1.00% Maximum

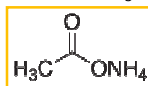
DUDLEY CHEMICAL

AMMONIUM ACETATE ANHYDROUS ACS Product#03206

Synonyms: Acetic Acid, ammonium salt

CAS No: 631-61-8

Formula: CH_3COONH_4



F. W.: 77.08

Appearance: White Fine Crystals
 Assay: ~97% minimum
 pH of a 5% Solution: 6.7 - 7.3 at 25 °C
 Insoluble Matter: 0.005% maximum
 Residue after Ignition: 0.01% maximum
 Chloride (Cl): 5 ppm maximum
 Nitrate (NO3): 0.001% maximum
 Sulfate (SO4): 0.001% maximum
 Heavy Metals (as Pb): 5 ppm maximum
 Iron (Fe): 5 ppm maximum

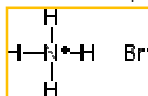
AMMONIUM BROMIDE ACS

Product#03210

Synonyms: Hydrobromic Acid Monoammoniate

CAS No: 12124-97-9

Formula: NH_4Br



F. W.: 97.95

Appearance: White Crystalline powder
 Assay: 99.0% minimum
 pH of a 5% solution at 25 °C: 4.5-6.0
 Insoluble matter: 0.005% maximum
 Residue after ignition: 0.01% maximum
 Bromate (BrO3): 0.002% maximum
 Chloride (Cl): 0.2% maximum
 Iodide (I): To Pass Test
 Sulfate (SO4): 0.005% maximum
 Barium (Ba): 0.002% maximum
 Heavy Metals (as Pb): 5 ppm maximum
 Iron (Fe): 5 ppm maximum

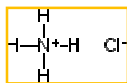
AMMONIUM CHLORIDE ACS

Product#03250

Synonyms: Ammonium Chloratum; Ammonium Chloridum;
 Ammonium Muriate; Sal ammonia, Slamiae

CAS No: 12125-02-9

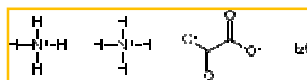
Formula: NH_4Cl



F.W.: 53.49

Appearance: White crystalline powder
 Assay: ≥99.5%
 pH of a 5% solution at 25 °C: 4.5-5.5
 Insoluble matter: 0.005% maximum
 Residue after ignition: 0.01% maximum
 Calcium (Ca): 0.001% maximum
 Magnesium (Mg): 5ppm maximum
 Heavy metals (as Pb): 5ppm maximum

Iron (Fe) 2ppm maximum
Phosphate (PO₄) 2ppm maximum
Sulfate (SO₄) 0.002% maximum



F. W.: 142.11



AMMONIUM FLUORIDE ACS

Product# 03255

Synonyms: Neutral Ammonium Fluoride

CAS No: 12125-01-8

Formula: NH₄F



F.W. 37.04



Appearance: White crystalline powder
Assay: ≥ 98.0% NH₄F
Insoluble Matter: 0.005% maximum
Residue after Ignition: 0.01% maximum
Solubility in water: 45.3 g/100 ml (25°C)
Chloride (Cl): 0.001% maximum
Sulfate (SO₄): 0.005% maximum
Heavy Metals (as Pb): 5 ppm maximum
Iron (Fe): 5 ppm maximum

Appearance: White crystalline powder
Assay: 99.0% - 101.0%
Melting Point: 33°C (dec.)
Insoluble Matter: < 0.005%
Residue after Ignition: < 0.02%
Chloride (Cl): < 0.002%
Sulfate (SO₄): < 0.002%
Heavy Metals (as Pb): < 5 ppm
Iron (Fe): < 2 ppm

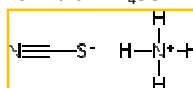
AMMONIUM THIOCYANATE ACS

Product#03320

Synonyms: Ammonium sulfocyanide; Ammonium rhodanide; thiocyanic acid, ammonium salt, ammonium sulfocyanate

CAS No: 1762-95-4

Formula: NH₄SCN



F.W.: 76.12

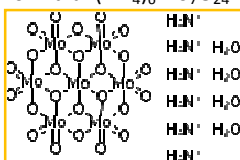
AMMONIUM MOLYBDATE TETRAHYDRATE ACS

Product#03262

Synonyms: Molybdic acid, hexammonium salt; Ammonium Heptamolybdate Tetrahydrate; Ammonium Molybdate (II); Ammonium paramolybdate.

CAS No: 12054-85-2

Formula: (NH₄)₆Mo₇O₂₄·4H₂O



F. W.: 1235.86

Appearance: Colorless to White crystalline powder
Assay: > 98.0%
Identification: Conforms to structure
Insoluble Matter: ≤ 0.005%
Residue after Ignition: ≤ 0.025%
Chloride (Cl): ≤ 0.005%
Sulfate (SO₄): ≤ 0.005%
Heavy Metals (as Pb): ≤ 5 ppm
Iron (Fe): ≤ 3 ppm
pH (of a 5% solution at 25°C): 4.5 – 6.0
Iodine – consuming substances: 0.004 mg/g

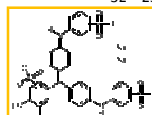
ANILINE BLUE CERTIFIED

Product#03350

Synonyms: Acid Blue 93; Methyl Blue; C.I. No.: 42780

CAS No.: 28631-66-5

Formula: C₃₂H₂₅N₃O₉S₃Na₂



F.W.: 737.73

Appearance: Brownish-purple crystalline powder with metallic lustre
Solubility (in water): Soluble
Lambda max.: 594-610nm in water

Appearance: White to colorless to slightly greenish or yellow crystalline powder or crystals
Assay: 99.30 - 101.8%

Insoluble Matter: < 0.005%
Chloride (Cl): < 0.002%
Nitrate (NO₃): < 0.003%
Phosphate (PO₄): < 5 ppm
Sulfate (SO₄): < 0.02%
Heavy metals (as Pb): < 0.001%
Magnesium (Mg): < 0.005%
Potassium (K): < 0.01%
Sodium (Na): < 0.01%
Arsenate, phosphate, and Silicate (as SiO₂): < 0.001%

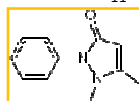
AMMONIUM OXALATE MONOHYDRATE ACS

Product#03282

Synonyms: Ethanedioic Acid, Diammonium Salt Monohydrate; Oxalic Acid Diammonium Salt

CAS No: 6009-70-7

Formula: (NH₄)₂C₂O₄·H₂O



F. W.: 188.23

Appearance: White or primrose yellow crystalline powder
 Identification: Positive
 Assay: 99.0 - 100.5%
 Melting Point: 110 – 112.5 Deg. C
 Loss on drying: < 1.0%
 Heavy metals (as Pb): < 0.002%
 Residue on Ignition: < 0.15%
 Related compounds: Passes Test

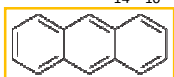
ANTHRACENE 99%

Product#03642

Synonyms: Green oil, Anthracin, Parananththalene;
 Polycyclic aromatic hydrocarbon (PAH)

CAS No.: 120-12-17

Formula: $C_{14}H_{10}$



F.W.: 178.23



Appearance: White to off-white to pale-yellow crystalline powder
 Assay: 99% minimum
 Melting Point: 215-219 °C
 Solubility (2% in Toluene): Clear colorless solution.
 IR Spectroscopy: Conforms to Standard

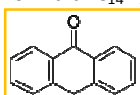
ANTHRONE ACS

Product#03751

Synonyms: 9(10H)-Anthracenone

CAS No: 90-44-8

Formula: $C_{14}H_{10}O$



F.W.: 194.23

Appearance: Off-white to light yellow to light greenish-yellow crystalline powder

Melting Point: 153 - 159 °C

Sensitivity to Carbohydrates: To Pass test
 Absorbance of reagent solution: To Pass test
 Solubility in ethyl acetate: To Pass test

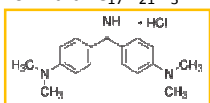
AURAMINE O C.I. 41000 CERTIFIED

Product#04217

Synonyms: Basic Yellow 2; C.I. 41000
 4,4'-(Imidocarbonyl)bis-(N,N-dimethylaniline) monohydrochloride

CAS No: 2465-27-2

Formula: $C_{17}H_{21}N_3 \cdot HCl$



F.W.: 303.84



Appearance: Yellow Powder
 Dye content: ~80 % minimum
 Melting Point: >250 Deg. C (dec.)
 Spectroscopy: Peak 432 nm water

Solubility: Soluble in alcohol and slightly soluble in water.

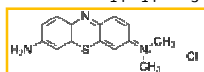
AZURE A C.I. 52005

Product#04251

Synonyms: 3-Amino-7-dimethylamino)phenothiazin-5-ium chloride;
 7-(Dimethylamino)-3-amino-3H-phenothiozine hydrochloride;
 C.I. 52005;

CAS No.: 531-53-3

Formula: $C_{14}H_{14}ClN_3S$



F.W.: 291.80

Appearance: Dark Green Crystalline Powder
 Assay: 70 – 80 %
 Solubility (0.1% aq.): Clear blue solution
 Loss on drying at 110 Deg.C (1 hour): < 8.0%
 Absorptivity 1%/1cm, At Lambda max. 633.0 nm: > 1120
 Melting Point: 290 deg. C (dec.)
 Solubility: Soluble in water, Methanol, and glycerol,
 Slightly soluble in ethanol.

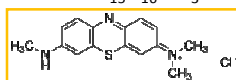
AZURE B (AZURE 1) C.I. 52010

Product#04255

Synonyms: N,N,N'-Trimethylthionin; Azure I; Methyleneazure;
 C.I. 52010

CAS No.: 531-55-5

Formula: $C_{15}H_{16}ClN_3S$



F.W.: 305.83

Appearance: Dark green or black powder
 Assay: Minimum 75%
 Solubility (0.1% Aq): Clear blue solution
 Absorptivity 1% 1cm At Lambda max. 645nm: > 1500
 Loss on drying at 110 deg. C (1Hr.): 8% maximum

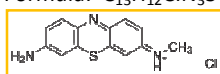
AZURE C

Product#04258

Synonyms: 3-Amino-7-Methylaminophenothiazin-5-ium chloride

CAS No.: 531-57-7

Formula: $C_{13}H_{12}ClN_3S$



F. W.: 277.78

Appearance: Blackish-green powder
 IR Spectrum: Conforms to structure
 Solubility (0.1 Aq): Clear blue violet solution
 Absorptivity 1% 1cm at Lambda Max 615nm: 820 - 824
 Loss on drying at 110 deg. C (1 Hr.): Max. 9%

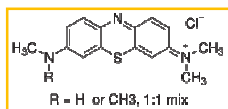
AZURE II

Product#04263

Synonyms: 3-Dimethylamino-7-methylamino-phenthiazonium-tetrafluoroborate

CAS No.: 37247-10-2

Formula: $C_{16}H_{18}N_3S \cdot C_1F_5N_3S \cdot 2 Cl$



F.W.: 625.68

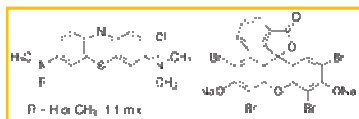
Appearance: Green-Brown Powder
IR Spectrum: Conforms to structure

UV-Vis: E1% = >1500 at Lambda Max 653 to 657nm (In water)
Solubility: Clear Dark Blue solution at 1 mg/ml in water

AZURE II EOSINATE

Product#04267

Synonyms: None known
CAS No.: 53092-85-6

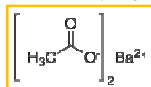


Product comments: A mixture of Azur I, Methylene Blue and Eosin Y
Appearance: Dark green to green-black powder
Infrared Spectrum: Conforms to structure and standard
Lambda max.: 647 (524)nm in methanol
Solubility (0.1% Acetic Acid): Opaque, dark blue solution

BARIUM ACETATE ACS

Product#05031

Synonyms: Acetate acid, barium salt; Barium diacetate
CAS No: 543-80-6
Formula: (CH₃COO)₂Ba



F. W.: 255.42



Appearance: White crystalline powder
Assay: 99.0 – 102.0%

Insoluble matter: 0.01% maximum
Chloride (Cl): 0.001% maximum
Oxidizing substances(as NO₃): 0.005% maximum
Calcium (Ca): 0.05% maximum
Potassium (K): 0.003% maximum
Sodium (Na): 0.005% maximum
Strontium (Sr): 0.2% maximum
Heavy Metals(as Pb): 5 ppm maximum
Iron (Fe): 0.001% maximum

BARIUM CARBONATE ACS

Product#05066

Synonyms: Carbon Acid, barium salt
CAS No: 513-77-9
Formula: BaCO₃



F.W. 197.34

Appearance: White powder
Assay: 99.0-101.0%

DUDLEY CHEMICAL

Insoluble in dilute hydrochloric acid: 0.015% maximum
Chloride (Cl): 0.002% maximum
Water-soluble titrable base: 0.002 meq/g maximum
Oxidizing substances (as NO₃): 0.005% maximum
Sulfide (S): 0.001% maximum
Calcium (Ca): 0.05% maximum
Potassium (K): 0.005% maximum
Sodium (Na): 0.02% maximum
Strontium (Sr): 0.7% maximum
Heavy metals (as Pb): 0.001% maximum
Iron (Fe): 0.002% maximum

BARIUM CHLORIDE DIHYDRATE ACS

Product#05071

Synonyms: Barium dichloride
CAS No: 10326-27-9
Formula: BaCl₂*2H₂O



F. W.: 244.26

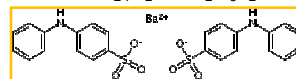


Appearance: White to colorless crystals
Assay: ≥99.0 %
pH of a 5% solution: 5.2 - 8.2 at 25 Deg. C
Insoluble matter: 0.005% maximum
Oxidizing Substances (as NO₃): 0.005% maximum
Calcium (Ca): 0.05% maximum
Potassium (K): 0.0025% maximum
Sodium (Na): 0.005% maximum
Strontium (Sr): 0.1% maximum
Heavy metals (as Pb): 5 ppm maximum
Iron (Fe): 2 ppm maximum

BARIUM DIPHENYLAMINESULFONATE ACS

Product#05084

Synonyms: p-Diphenylaminesulfonic Acid barium salt
CAS No: 6211-24-1
Formula: C₂₄H₂₀BaN₂O₆S₂



F. W.: 633.88

Appearance: White to off-white to grey powder
Residue after ignition(as sulfate): 35.0 - 38.0%
Clarity of solution: To pass test
Aqueous solubility: Slightly soluble
Sensitivity as Redox Indicator: To pass test

BARIUM NITRATE ACS

Product#05120

Synonyms: Barium dinitrate; Nitric Acid barium salt, nitrobarite
CAS No: 10022-31-8
Formula: Ba(NO₃)₂



F. W.: 261.35



Appearance:

White crystalline powder

Identification:
Assay:
pH of a 5% solution:
Insoluble matter:
Chloride (Cl):
Calcium (Ca):
Potassium (K):
Sodium (Na):

To pass test
≥99.0%
5.0-8.0 at 25 deg. C
0.01% maximum
5 ppm maximum
0.05% maximum
0.005% maximum
0.005% maximum

Strontium (Sr):
Heavy metals (as Pb):
Iron (Fe):

0.05% maximum
5 ppm maximum
2 ppm maximum

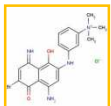
BASIC BLUE 99

Product#05140

Synonyms: 3-[(4-amino-6-bromo-5,8-dihydro-1-hydroxy-8-imino-5-oxo-2-naphthalenyl)amino]-N,N,N-trimethyl benzenaminium chloride

CAS No.: 68123-13-7

Formula: C₁₉H₂₀BrN₄O₂Cl



F.W.: 451.74

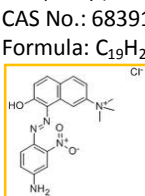
Appearance: Dull blue crystalline powder
Assay (HPLC): ≥ 99.0%
Iron: ≤ 500 ppm

BASIC BROWN 17

Product#05150

Synonyms: JAROCOL SIENNA BROWN; Basic brown 17 (C.I. 12251); 1-(3-Nitro-4-aminophenylazo)-7-(trimethylamino)-2-naphthol-chloride; 8-[(4-amino-3-nitrophenyl)azo]-7-hydroxy-n,n,n-trimethyl-2-naphthalenaminium; [8-[(4-amino-3-nitrophenyl)azo]-7-hydroxy-2-naphthyl]trimethylammonium chloride; 7-Hydroxy-8-[(3-nitro-4-aminophenyl)azo]-N,N,N-trimethyl-2-naphthalenaminium-chloride; 2-Naphthalenaminium, 8-(4-amino-3-nitrophenyl)azo-7-hydroxy-N,N,N-trimethyl-, chloride

CAS No.: 68391-32-2
Formula: C₁₉H₂₀N₅O₃Cl



F.W.: 401.85

Appearance: Dark Brown almost Black crystalline powder
Assay (HPLC): ≥ 90.0%
Iron: ≤ 100 ppm

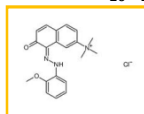
BASIC RED 76

Product#05160

Synonyms: 2-Naphthalenaminium, 7-hydroxy-8-((2-methoxyphenyl)azo)-N,N,N-trimethyl-, chloride; 7-Hydroxy-8-((2-methoxyphenyl)azo)-N,N,N-trimethyl-2-naphthalenaminium chloride; Cl 12245; 8-(2'-Methoxyphenylazo)-7-hydroxy-2-naphthyltrimethylammonium chloride; (7-Hydroxy-8-((2-methoxyphenyl)azo)-2-naphthyl)trimethylammonium chloride; 2-Naphthalenaminium, 7-hydroxy-8-(2-(2-methoxyphenyl)diazonyl)-N,N,N-trimethyl-, chloride (1:1); (8Z)-8-[(2-methoxyphenyl)hydrazono]-N,N,N-trimethyl-7-oxo-7,8-dihydronaphthalen-2-aminium chloride

CAS No.: 68391-30-0

Formula: C₂₀H₂₂N₃O₂Cl



F.W.: 371.86

Appearance: Dark Red crystalline powder
Assay (HPLC): ≥ 98.0%
Iron: ≤ 100 ppm
O-Anisidine: ≤ 10 ppm

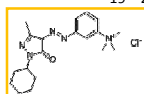
BASIC YELLOW 57

Product#05170

Synonyms: ,n-trimethyl-,chloride;3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1h-pyrazol-4-yl)azo]-n,n,n-trimethyl-benzenaminiumchloride;5-Hydroxy-3-methyl-1-phenyl-4-(3'trimethylammoniophenylazo)pyrazole, chloride;benzenaminium,3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1h-pyrazol-4-yl)azo]-n,n;Benzenaminium,3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1h-pyrazol-4-yl)azo]-N,N,N-trimethyl-,chloride;JAROCOL STRAW YELLOW;BASIC YELLOW 57;3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1h-pyrazol-4-yl)azo]-N,N,N-trimethylanilinium chloride

CAS No.: 68391-31-1

Formula: C₁₉H₂₂N₅OCl



F.W.: 377.91

Appearance: Orange crystalline powder
Assay (HPLC): ≥ 98.0%
Iron: ≤ 100 ppm

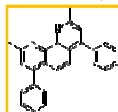
BATHOCUPRIONE

Product#05200

Synonyms: 2,9-Dimethyl-4,7-diphenyl-1,10-phenanthroline, 98%

CAS No: 4733-39-5

Formula: (CH₃)₂(C₆H₅)₂C₁₂H₄N₂



F. W.: 360.44

Identification (IR): To conform to standard.
Assay: Min 98%
Melting Point: 280 - 281 deg. C
Suitable for determination of Cu: Passes Test

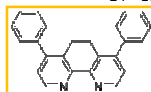
BATHOPHENANTHROLINE

Product#05230

Synonyms: 4,7-Diphenyl-1,10-phenanthroline

CAS No: 1662-01-7

Formula: C₂₄H₁₆N₂



F. W.: 332.39

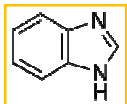
Appearance: White to pale yellowish-cream powder
Identification (IR): To conform to standard
Melting Point: 218°C to 221°C

Assay (Total Base): >98.5%
Sulfated Ash: <0.1%

BENZIMIDAZOLE 98%

Product#05301

Synonyms: 1,3-Benzodiazole
CAS No.: 51-17-2
Formula: C₇H₆N₂



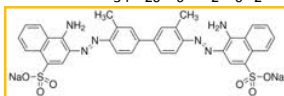
F.W.: 118.14

Appearance: Off-white to tan crystalline powder and/or chunks
Identification (I.R.): To conform to structure and standard
Assay (on dry weight basis): 98.0% Minimum
Melting Point: 169-174 Deg. C
Water Content: 1.00% maximum
Boiling Point: >360 Deg. C
Solubility: Freely soluble in alcohol, sparingly soluble in ether.
Practically insoluble in benzene.

BENZOPURPURIN 4B

Product#05401

Synonyms: C.I. 23500; Direct Red 2
CAS No.: 992-59-6
Formula: C₃₄H₂₆N₆Na₂O₆S₂



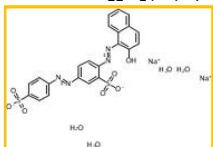
F. W.: 724.73

Appearance: Dark Red Powder
Lambda Max: 500 nm in water
Visual Transition Interval: From pH 1.3 (violet) To pH 4.2 (red)
Solubility (1mg/ml H₂O): Clear dark red solution

BIEBRICH SCARLET C.I. 26905

Product#05750

Synonyms: C.I. 26905
CAS No.: 4196-99-0
Formula: C₂₂H₁₄N₄O₇S₂Na₂



F.W.: 556.49

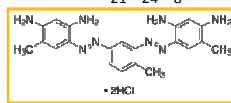
Appearance: Deep-red to dark brown powder
Identification: To conform to standard
Lambda Max: 505 nm in Methanol
Assay: 98% minimum
Solubility (0.1% dist. H₂O): Clear red solution

BISMARCK BROWN R C.I. 21010

Product#05901

Synonyms: Basic Brown 4; C.I. 21010
CAS No.: 5421-66-9

Formula: C₂₁H₂₄N₈



F.W.: 461.40

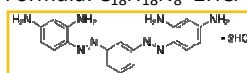
Appearance: Brownish-black powder
Lambda max.: 468nm in 50% ethanol
Solubility: To pass test
Loss on drying at 60 °C: 1.0% w/w maximum
Melting Point: 222 °C (dec.)

BISMARCK BROWN Y C.I. 21000

Product#05909

Synonyms: 4,4'-(*m*-Phenylenebisazo)bis-*m*-phenylenediamine
dihydrochloride; Basic Brown 1; Bismarck Brown B;
Vesuvine; C.I. 21000

CAS No: 10114-58-6
Formula: C₁₈H₁₈N₈*2HCl



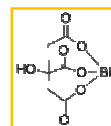
F. W.: 419.31

Appearance: Light brown to red-brown, maroon, burgundy or red powder
Identification: Conforms to structure
Dye content: > 45%
Lambda max.: 457 nm in 50% ethanol + 5 ml 1N hydrochloric acid
Solubility (10 mg/ml in H₂O): Clear to opaque, red-orange to dark red solution.

BISMUTH CITRATE USP

Product#06101

Synonyms: Citric Acid Bismuth Salt; Bimuth Potassium Citrate
CAS No.: 813-93-4
Formula: BiC₆H₅O₇



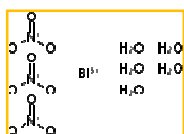
F. W.: 398.08

Appearance: White, fine, odorless and tasteless powder
Appearance in (NH₄OH)solution: Clear, colorless, free from foreign matter
Identification A, B, C: Conforms
Assay (Bi): 49.0% - 54.0%
Loss on drying at 105 Deg. C: 1% maximum
Arsenic (As): 0.0010% maximum
Copper(Cu): 0.0010% maximum
Silver (Ag): 0.0010% maximum
Lead (Pb): 0.0010% maximum
Nitrate (NO₄): To pass test
Soluble Bismuth: 0.004% maximum

BISMUTH NITRATE ACS

Product#06131

Synonyms: Nitric Acid Bismuth (III) Salt, Bismuth trinitratopentahydrate
CAS No: 10035-06-0
Formula: Bi(NO₃)₃ . 5H₂O



F.W.: 485.07

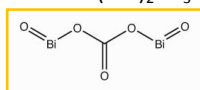


Appearance: White powder or transparent crystals, hygroscopic
 Identification: Positive
 Assay: 98.0% minimum
 Substances not precipitated By H₂S: 0.10% maximum
 Insoluble Matter: 0.005% maximum
 Chloride (Cl): 0.001% maximum
 Sulfate (SO₄): 0.005% maximum
 Arsenic (AS): 0.001% maximum
 Calcium (Ca): 0.005% maximum
 Copper (Cu): 0.002% maximum
 Iron (Fe): 0.001% maximum
 Lead (Pb): 0.002% maximum
 Potassium (K): 0.010% maximum
 Sodium (Na): 0.020% maximum
 Silver (Ag): 0.001% maximum

BISMUTH SUBCARBONATE USP

Product#06200

Synonyms: Bismuth carbonate, basic; Bismuth oxycarbonate
 CAS No.: 5892-10-4
 Formula: (BiO)₂CO₃



F.W.: 509.97

Appearance: White, odorless and tasteless powder
 Appearance in solution (HNO₃): Clear, colorless, free of foreign matter

Identification: Positive for Bismuth and carbonate
 Assay: 97.6% - 100.7%
 Loss on drying: 1.0% maximum
 Chloride (Cl): 0.05% maximum
 Alkalies & Alkaline Earths: 1.0% maximum
 Nitrate (NO₃): 0.4% maximum
 Silver(Ag): 0.0025% maximum
 Copper (Cu): 0.005% maximum
 Arsenic (As): 0.0005% maximum
 Lead (Pb): 0.002% maximum

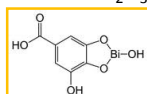
BISMUTH SUBGALLATE USP

Product#06220

Synonyms: Bismuth subgallate purified; Bismuth subgallate USP;
 Bismuth dihydroxy (3,4,5-trihydroxybenzoato-O);
 Basic bismuth gallate; Gallic acid bismuth basic salt

CAS No: 2650-86-8

Formula: Bi₂O₃



F.W.: 394.09

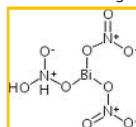
Appearance: Yellow, heavy, odorless & tasteless powder.
 Identification A,B: Positive
 Appearance in solution(HNO₃): Clear, free of foreign matter

Loss on drying @ 105 deg.C: 7.0% maximum
 Assay: 52.0-57.0%
 Free Gallic Acid: 0.5% maximum
 Arsenic (As): 7.5 ppm maximum
 Copper, Lead, Silver: To pass tests
 Nitrate (NO₃): To pass test
 Residual Solvents: DI Water
 Alkalies & Alkaline Earths: 0.5% maximum

BISMUTH SUBNITRATE USP

Product#06240

Synonyms: Bismuth hydroxide nitrate oxide; Basic bismuth nitrate
 CAS No.: 1304-85-4
 Formula: Bi₅O(OH)₉(NO₃)₄



F. W.: 1461.99



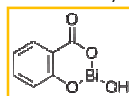
Appearance: White, odorless and tasteless powder
 Appearance in solution(HNO₃): Clear, colorless, free from foreign matter

Identification: To pass test
 Loss on drying: 3.0% maximum
 Assay(BiO₃): 79.0% minimum
 Alkalies & Alkaline Earths: 0.5% maximum
 Carbonate: To pass test
 Chloride (Cl): 0.035% maximum
 Sulfate (SO₄): To pass test
 Copper, Silver, Lead: To pass test
 Arsenic (As): 8 ppm maximum
 Ammonium Salts: To pass test

BISMUTH SUBSALICYLATE USP

Product#06260

Synonyms: 2-Hydroxybenzoic acid bismuth (3+) salt basics;
 Bismuth salicylate, basic; Oxo(salicylato)bismuth; Salicylic acid basic bismuth salt
 CAS No.: 14882-18-9
 Formula: C₇H₅BiO₄



F.W.: 362.09

Appearance: White, light, odorless & tasteless powder
 Identification (A, B): Positive
 pH: 2.7-5.0
 Loss on drying @ 105 deg. C.: 1.0% maximum
 Assay(as Bi): 56.0 – 59.4%
 Total Salicylates: 36.5-39.3%
 Free Salicylic Acid: 0.2% maximum
 Arsenic: 0.0010% maximum
 Copper, Lead, Silver: 0.0010% maximum
 Nitrate: 0.4% maximum
 Soluble Bismuth: 0.004% maximum

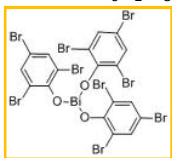
BISMUTH TRIBROMOPHENATE

Product#06281

Synonyms: Bismuth tribromophenol; Tris(2,4,6-tribromophenoxy)bismuthine; Tribromophenol bismuth xeroform

CAS No.: 5175-83-7

Formula: $C_6H_2Br_3-O-Bi(OH)-O-[BiO(OH)-O]_nBi(OH)-O-C_6H_2Br_3$



F.W.: 1351.66

Appearance: Bright yellow, amorphous powder with a faint characteristic odor.

Identification: Positive
 Loss on drying @95 deg.C: Not specified
 Assay(as Bi): 40.0 - 49.0%
 Substances not precipitated By NH_4OH : 0.5% maximum
 Recovery: 96.0% minimum
 Copper, Lead, Silver, Sulfate: To pass test
 Nitrate: To pass test
 Arsenic (As): 0.0002% maximum

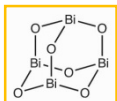
BISMUTH TRIOXIDE REAGENT

Product#06340

Synonyms: Bismuthtrioxide; Bismuthous oxide; Bismuth Yellow

CAS No: 1304-76-3

Formula: Bi_2O_3



F.W.: 465.96

Appearance: Yellow, heavy, odorless & tasteless powder

Identification: Positive for Bi +3
 Appearance in solution (HNO_3): Clear, colorless, free from foreign matter

Loss on drying(at 105 deg. C): 0.10% maximum
 Assay (as Bi_2O_3): 99.5% minimum
 Substances not precipitated By NH_4OH : 0.5 % maximum
 Arsenic (As): 0.0002% maximum
 Chloride (Cl): 0.001% maximum
 Sulfate (SO_4): 0.002% maximum
 Iron (Fe): 0.002% maximum
 Copper (Cu): 0.002% maximum
 Lead (Pb): 0.003% maximum
 Silver (Ag): 0.0005% maximum
 Nitrate (NO_3): 0.05% maximum

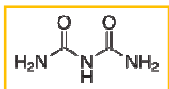
BIURET

Product#06381

Synonyms: Imidodicarbonic diamide; Carbamyurea

CAS No: 108-19-0

Formula: $H_2NCONHCONH_2$



F.W.: 103.08

Appearance: White crystalline powder
 Identification (IR): Conforms to standard

Melting Point: 188-195 deg. C
 Loss on drying: 1.0% maximum
 Assay (Kjeldahl): 97% minimum
 TLC: Single Spot

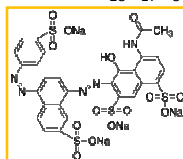
BRILLIANT BLACK BN

Product#08010

Synonyms: C.I. 28440; 1743 Black; Black PN; Blue Black BN; Brilliant Black; Brilliant Black A; Brilliant Black NAF; Food Black 1, Tetrasodium Salt; Xylene Black F

CAS No.: 2519-30-4

Formula: $C_{28}H_{17}N_5Na_4O_{14}S_4$



F. W.: 867.69

Appearance: Black powder
 Dye Content: 60% minimum
 Water insoluble matter: 0.2% maximum
 Unulfonated Aromatic Amines: 0.01% maximum
 Lead (Pb): 10.00 mg/kg maximum
 Mercury (Hg): 1.00 mg/kg maximum
 Heavy metals: 40.00 mg/kg maximum
 Sum of volatile matter at 135°C & Chloride & Sulfate (as sodium salt)By mass: 20.00% maximum

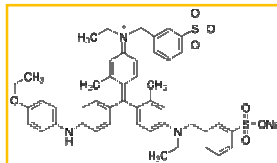
BRILLIANT BLUE G250

Product#08061

Synonyms: Acid Blue 90; Coomassie Brilliant blue G; C.I. 42655

CAS No.: 6104-58-1

Formula: $C_{47}H_{48}N_3NaO_7S_2$



F. W.: 854.03

Appearance: Deep blue crystalline powder
 Wavelength of Maximum Absorption : 610-615 nm
 Lambda Max. (in 50:50 IMS:Water)
 Absorption Ratio(A 1 max-15nm/A 1 max+15nm): 0.95-1.25
 Solubility: Slightly soluble in cold water, moderately soluble in 10% trichloroacetic acid and soluble in hot water and ethanol.

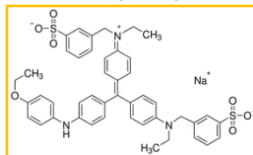
BRILLIANT BLUE R250

Product#08065

Synonyms: Acid Blue 83; Coomassie Brilliant Blue R250; C.I. 42660; Hydrogen [4-[4-(p-ethoxyanilino)-4'

CAS No.: 6104-59-2

Formula: $C_{45}H_{44}N_3NaO_7S_2$



F.W.: 825.99

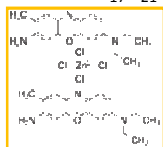
DUDLEY CHEMICAL

Appearance: Dark-Purplish-Brown Powder
Absorption Ratio(A lambda max-15nm/A lambda max+15nm): 1.0-1.20
Specific Absorption:(A 1% in 10mm cell) at lambda max.: >700
Wavelength of maximum absorbance. Lambda Max. (50:50 . IMS:Water): 584-596nm
Solubility: Soluble in hot water and slightly soluble in ethanol.

BRILLIANT CRESYL BLUE

Product#08101

Synonyms: Brilliant Blue C; C.I. 51010
CAS No: 81029-05-2
Formula: $C_{17}H_{21}N_4O \cdot 0.5$



F. W.: 400.97

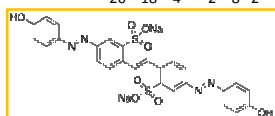
Appearance: Green to Dark Blue crystalline powder
Assay (TiCl3 Titration): > 60%
Biological Stain Commission: To Pass Test
Visual Transition Interval: From pH 0.2 (green) To pH 1.0 (blue)

BRILLIANT YELLOW C.I. 24890

Product#08118

Synonyms: Direct Yellow 4; C.I. 24890

CAS No: 3051-11-4
Formula: $C_{26}H_{18}N_4Na_2O_8S_2$



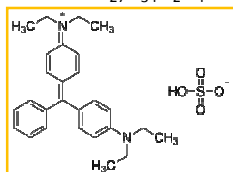
F. W.: 624.55

Appearance: Brick red to rust colored powder
Dye content: ~85%
Visual Transition Interval: From pH 6.4 (yellow) To pH 8.0 (red-orange)
Solubility: Soluble in water (2.5 gm/100 ml; slightly soluble in acetone and cellosolve.

BRILLIANT GREEN CERTIFIED

Product#08121

Synonyms: Basic Green 1; C.I. 42040
CAS No: 633-03-4
Formula: $C_{27}H_{34}N_2O_4S$



F. W.: 482.65

Appearance: Green to green-yellow crystalline powder
Dye content (TiCl3 titration): 95% minimum
Loss on drying: 5% maximum
Lambda max: 625 (428) nm in 50 % ethanol

Absorption Ratio(A Lambda max -15nm / A Lambda max. +15nm): Between 0.94 and 1.14
Visual Transition Interval: From pH 0.0 (yellow) To pH 2.6 (green)

1-BROMOADAMANTANE, 99%

Product#08124

Synonyms: 1-Adamantyl Bromide
CAS No.: 768-90-1
Formula: $C_{10}H_{15}Br$



F.W.: 215.13

Appearance: White to Off-White Powder or Chunks
Assay (Titration by $AgNO_3$): 98.5% - 101.5%
(After Oxygen Combustion)
Melting Point: $116^\circ C - 118^\circ C$ (241- 244°F) – lit.
Infrared Spectrum: Conforms to Structure
Purity: $\geq 98.5\%$

2-BROMOADAMANTANE, 98%

Product#08126

Synonyms: None Known
CAS No.: 7314-85-4
Formula: $C_{10}H_{15}Br$



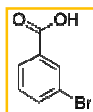
F.W.: 215.13

Appearance: White to Off-White Powder or Chunks
Titration: 97.5% - 102.5% (by $AgNO_3$ after oxygen Combustion)
Melting Point: $116^\circ C - 118^\circ C$
Assay: $\geq 97.5\%$

3-BROMOBENZOIC ACID

Product#08128

Synonyms: Brombenzoesaure; 3-BroMobenzoic Acid
CAS No.: 585-76-2
Formula: $C_7H_5BrO_2$



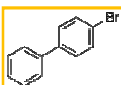
F.W.: 201.02

Appearance: White to pale yellow crystalline powder
Melting Point: 154-158 deg. C
Assay: 99% minimum

4-BROMOBIPHENYL

Product#08130

Synonyms: P-Bromobiphenyl; 4-Bromo-1'-biphenyl
CAS No.: 92-66-0
Formula: $C_{12}H_9Br$



F.W.: 233.11



Appearance: White to off-white crystalline powder
 Assay: 98.60% minimum
 2-Bromobiphenyl: 0.50% maximum
 Moisture: 0.15% maximum
 Melting Point: 91.0 Deg. C minimum

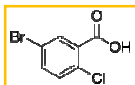
5-BROMO-2-CHLOROBENZOIC ACID

Product#08134

Synonyms: 2-Chloro-5-BromoBenzoic Acid

CAS No.: 21739-92-4

Formula: $C_7H_4BrClO_2$



F.W.: 235.46

Appearance: White to beige powder
 Melting Point: 154 - 160 Deg. C
 Assay: 98.0% minimum
 Moisture: 1.0% maximum

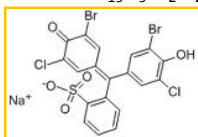
BROMOCHLOROPHENOL BLUE NA SALT

Product#08138

Synonyms: Bromochlorophenol Blue Water Soluble

CAS No.: 102185-52-4

Formula: $C_{19}H_9Br_2Cl_2NaO_5S$



F.W.: 603.06

Appearance: Black powder
 Lambda max.: 590nm in water
 Visual transition interval: From pH 3.2 (yellow) to pH 4.8 (purple)

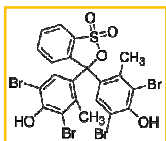
BROMOCRESOL GREEN FREE ACID ACS

Product#08142

Synonyms: 3',3'',5',5''-Tetrabromo-*m*-cresolsulfonephthalein

CAS No: 76-60-8

Formula: $C_{21}H_{14}Br_4O_5S$



F.W.: 698.04

Appearance: Beige to yellow to yellow brown powder
 Melting Point: 225 Deg. C (dec.)
 Clarity of Solution: Passes Test
 Visual Transition Interval: From pH 3.8 (yellow) To pH 5.4 (blue)

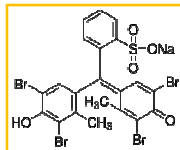
BROMOCRESOL GREEN SODIUM SALT ACS

Product#08146

Synonyms: 4,4'-(3H-1,2-Benzoxathiol-3-Yliden)Bis(2,6-dibromo-3-methylphenol S,S-Dioxide Monosodium salt

CAS No: 62625-32-5

Formula: $C_{21}H_{13}Br_4NaO_5S$



F.W.: 720.02

Appearance: Dark-brown to dark red, or Greenish-black crystalline powder

Clarity of solution: To pass test
 Visual Transition Interval: From pH 3.8 (yellow) To pH 5.4 (blue)
 Melting Point: 230 deg. C
 Loss on drying: < 5%
 Solubility: H₂O 40mg/ml, EGME 50mg/ml, ETOH 60mg/ml

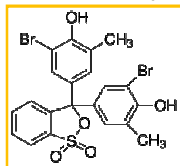
BROMOCRESOL PURPLE FREE ACID ACS

Product#08152

Synonyms: 5',5''-Dibromo-*o*-cresolsulfonephthalein

CAS No.: 115-40-2

Formula: $C_{21}H_{16}Br_2O_5S$



F. W.: 540.24

Appearance: Grey to light purple or pink to yellow-tan powder
 Melting Point: 241 - 242 Deg. C
 Clarity of solution: Passes test
 Aqueous solubility: Practically insoluble
 Visual Transition Interval: From pH 5.2 (Yellow) To pH 6.8 (Purple)

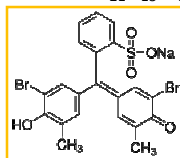
BROMOCRESOL PURPLE SODIUM SALT ACS

Product#08156

Synonyms: 5',5''-Dibromo-*o*-cresolsulfonephthalein Sodium salt

CAS No: 62625-30-3

Formula: $C_{21}H_{15}Br_2O_5SNa$



F.W.: 562.22

Appearance: Purple-brown to orange crystalline powder
 Visual Transition Interval: From pH 5.2 (yellow) To pH 6.8 (purple)
 Clarity of Solution: To pass test
 Solubility 0.1% (Water): Clear reddish yellow solution
 Loss on drying at 110 Deg.C (1hr): 5.0% maximum
 Absorptivity 1%, 1cm: (pH 5.2) at Lambda max. 430 nm: 380-430
 (pH 6.8) at Lambda max. 589 nm: 940-1050

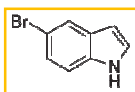
5-BROMOINDOLE 99%

Product# 08158

Synonyms: 5-bromo-2H-Indole

CAS No: 10075-50-0

Formula: C_8H_6BrN

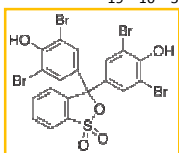


F.W.: 196.05

Appearance: White to Off-White to Tan powder
 Assay: 99% minimum
 Melting Point: 90-92°C
 Infrared Structure: Conforms to Structure
 Carbon: 48.3 - 49.7%
 Nitrogen: 6.9 - 7.5%
 Purity (GC): ≥ 98.5%

BROMOPHENOL BLUE FREE ACID ACS Product#08162

Synonyms: Tetrabromophenoltetrabromosulfonene-phthalein, BPB
 CAS No: 115-39-9
 Formula: $C_{19}H_{10}O_5Br_4$

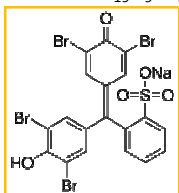


F.W.: 669.97

Clarity of Solution: Passes Test
 Visual Transition Interval: pH 3.0 (yellow) to pH 4.6 (blue)

BROMOPHENOL BLUE SODIUM SALT ACS Product#08166

Synonyms: 3',3'',5',5''-Tetrabromophenolsulfon-phthalein sodium salt
 CAS No: 34725-61-6
 Formula: $C_{19}H_9Br_4NaO_5S$

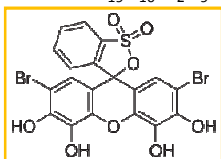


F.W.: 691.97

Appearance: Yellow brown powder
 Loss on drying at 110 Deg. C (1 hour): < 5.0%
 Clarity of solution: To pass test
 Visual transition interval: From pH 3.0 (yellow) to pH 4.6 (blue)
 Absorptivity 1%/1cm: (pH 3.0) at Lambda max 436 nm: 320-370
 (pH 4.6) at Lambda max 591 nm: 880-950

BROMOPYROGALLOL RED Product#08168

Synonyms: 3,3'-Dibromosulfonphthalein
 CAS No: 16574-43-9
 Formula: $C_{19}H_{10}Br_2O_9S$



F.W.: 574.15

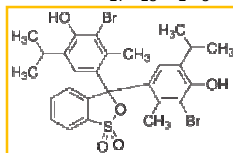
Appearance: Green to Brown to Black Powder

DUDLEY CHEMICAL

Infrared Spectrum: Conforms to Structure and Standard
 Titration: ~70% (with silver nitrate after O2 Combustion)
 UV-Visible Spectrum: 0.01 G/L, H2O
 E(553 +/- 8)NM = 22,000 (minimum)
 E(281 +/- 5)NM = 25,000 (minimum)
 Or 50% Ethanol: E(580 +/- 8)NM = 17,000 (minimum)
 Solubility(1 mg/ml 1M NH4OH): Opaque, purple solution

BROMOTHYMOL BLUE FREE ACID ACS Product#08172

Synonyms: 3',3''-Dibromothymolsulfonene-phthalein
 CAS No: 76-59-5
 Formula: $C_{27}H_{28}Br_2O_5S$

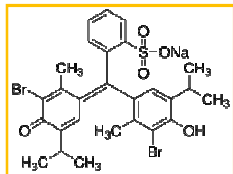


F.W.: 624.40

Appearance: Beige to light pink to light brown to red powder
 Clarity of solution: To pass test
 Loss on drying@ 110 Deg.C/1 hour: < 3%
 Visual Transition Interval: From pH 6.0 (yellow) To pH 7.6 (blue)
 Solubility 0.1% (EtOH): Clear yellow solution
 Solubility: Soluble in ethanol, moderately soluble in ethyl acetate and acetone, slightly soluble in acetic acid and benzene and practically insoluble in water.

BROMOTHYMOL BLUE SODIUM SALT ACS Product#08176

Synonyms: 3',3''-Dibromothymolsulfonene-phthalein Sodium salt
 CAS No: 34722-90-2
 Formula: $C_{27}H_{27}Br_2O_5SNa$

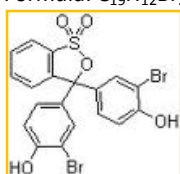


F.W.: 646.36

Appearance: Green to yellow, orange to brown-black powder
 Clarity of Solution: To pass test
 Visual Transition Interval: From pH 6.0 (yellow) To pH 7.6 (blue)
 Solubility: Soluble to 6% in water and in ethanol
 Loss on drying@110 Deg.C/1 hour: < 5%

BROMOPHENOL RED FREE ACID Product#08440

Synonyms: 5',5''-Dibromophenol sulfonphthalein
 CAS No: 2800-80-8
 Formula: $C_{19}H_{12}Br_2O_5S$



F.W.: 512.190

Loss on drying: 5.0% max.

Specific extinction: $E(1\%/1\text{cm}) = \text{min. } 585$ (at 574-577 nm in buffer).
 Solubility: (0.1% in 20% ethanol) clear
 Visual transition interval: pH 4.7 (yellow) - 6.3 (purple)

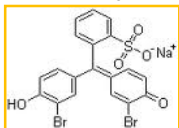
BROMOPHENOL RED SODIUM SALT

Product#08443

Synonyms: 5',5''-Dibromophenolsulfonphthalein

CAS No: 102185-50-2

Formula: $\text{C}_{19}\text{H}_{11}\text{Br}_2\text{O}_5\text{SNa}$



F.W.: 534.15

Visual Transition Interval: pH 5.2 (yellow) to pH 6.8 (red)

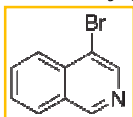
4-BROMOISOQUINOLINE, 98%

Product#08467

Synonyms: 4-Isoquinolyl Bromide

CAS No: 1532-97-4

Formula: $\text{C}_9\text{H}_6\text{BrN}$



F.W.: 208.06

Appearance: White to light yellow crystalline powder
 Assay (GC): 98.0% minimum
 Identification: To Pass Test
 Melting Point: 39-43 Deg. C
 Boiling Point: 280-285 Deg. C
 Flash Point: >230 Deg. F

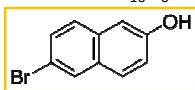
6-BROMO-2-NAPHTHOL, 98%

Product#08472

Synonyms: 2-Hydroxy-6-bromonaphthalene

CAS No.: 15231-91-1

Formula: $\text{BrC}_{10}\text{H}_6\text{OH}$



F.W.: 223.07

Appearance: Off-White to Beige to Pink Powder or Chunks
 Titration: 96.5% - 103.5% (by AgNO_3 after oxygen Combustion)
 Melting Point: 122° C – 124°C
 Assay: ≥ 96.5%

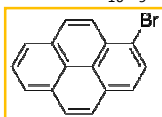
1-BROMOPYRENE

Product#08478

Synonyms: 1-Pyrenyl bromide

CAS No: 1714-29-0

Formula: $\text{C}_{16}\text{H}_9\text{Br}$



F.W.: 281.15

DUDLEY CHEMICAL

Appearance: Off-white to light yellow to tan crystalline powder
 Identification: Conforms to structure
 Melting Range: 94 Deg. C - 105 Deg. C
 Assay (Titration): 95.5-104.5% (w/ AgNO_3 after Oxygen combustion)
 Assay (GC): 96.0% minimum

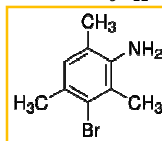
3-BROMO-2,4,6-TRIMETHYLANILINE, 98%

Product#08481

Synonyms: 3-Bromo-2,4,6-Trimethylaniline

CAS No: 82842-52-2

Formula: $\text{C}_9\text{H}_{12}\text{BrN}$



F.W.: 214.10

Appearance: Orange to dark purple or brown
 crystalline powder or crystals
 Identification: To pass test
 Assay (GC): > 98%
 Melting Point: 35 - 40 Deg. C
 Flash Point: > 110 Deg. C (230 Deg. F)
 Density: 1.313 g/ml at 25 Deg. C

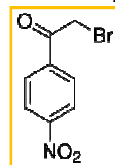
2-BROMO-4'-NITROACETOPHENONE

Product#08483

Synonyms: 2-Bromo-4'-Nitroacetophenone 95%

CAS No: 99-81-0

Formula: $\text{O}_2\text{NC}_6\text{H}_4\text{COCH}_2\text{Br}$



F.W.: 244.04



Appearance: Yellow to Gold Powder, Crystals powder and/or chunks
 Infrared Spectrum: Conforms to Structure
 Titration: 94.0-106% (w/ AGNO_3 after reflux or Oxygen Combustion)
 High Pressure Liquid: 94% Minimum

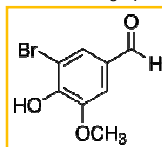
5-BROMOVANILLIN

Product#08487

Synonyms: 3-Bromo-4-Hydroxy-5-Methoxybenzaldehyde

CAS No.: 2973-76-4

Formula: $\text{C}_8\text{H}_7\text{BrO}_3$, $\text{BrC}_6\text{H}_2(\text{OH})(\text{OCH}_3)\text{CHO}$



F.W.: 231.05

Appearance: Light brown to beige powder
 Assay (GC): 98% minimum
 Melting Point: 164 - 166 Deg. C

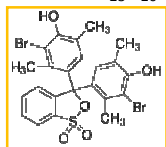
BROMOXYLENOL BLUE

Product#08490

Synonyms: 3,3'-Dibromo-p-xylenolsulfonphthaleine

CAS No.: 40070-59-5

Formula: $C_{23}H_{20}Br_2O_5S$



F.W.: 568.27

Appearance: Off White to Violet, Purple Powder or Crystals
 Identification: Conforms to Structure
 Solubility: 0.1% (E+OH): Clear yellow to Orange to Red solution
 Visual Transition Interval: pH 6.0 Yellow to pH 7.6 Blue
 Loss on drying: < 3%

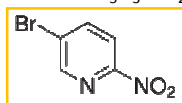
5-BROMO-2-NITROPYRIDINE

Product#08800

Synonyms: 3-Bromo-6-Nitropyridine

CAS No.: 39856-50-3

Formula: $C_5H_3BrN_2O_2$



F.W.: 202.99

Appearance: Off-white - yellow to light brown crystalline powder
 Assay(HPLC): 98.0% minimum
 Loss on drying: 1% maximum
 Melting Point: 145-150 deg. C

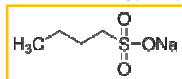
1-BUTANESULFONIC ACID SODIUM SALT HPLC

Product#08902

Synonyms: Butane-1-sulphonic acid

CAS No: 2386-54-1

Formula: $CH_3(CH_2)_3SO_3Na$



F.W.: 160.16

Appearance: Fine white crystalline powder
 Assay (Dry sample, acidimetric): 99.0% minimum
 Water: <1%
 Maximum absorbency(5.5% aq. Solution): 210nm <1.000 AU

220nm <0.300 AU, 250nm <0.040 AU, 280nm <0.040 AU
 Appearance of solution: 10% aqueous solution: Clear and colorless
 0.4% solution in methanol: Clear and colorless

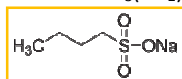
1-BUTANESULFONIC ACID SODIUM SALT 1 HYHPLC

Product#08905

Synonyms: Butane-1-sulphonic acid

CAS No: 2386-54-1

Formula: $CH_3(CH_2)_3SO_3Na$



F.W.: 160.16

Appearance: Fine white crystalline powder

Assay (Dry sample, acidimetric): 99.0% minimum
 Water: <1%
 Maximum absorbency(5.5% aq. Solution): 210nm <1.000 AU
 220nm <0.300 AU, 250nm <0.040 AU, 280nm <0.040 AU
 Appearance of solution: 10% aqueous solution: Clear and colorless
 0.4% solution in methanol: Clear and colorless

CALAMINE POWDER USP

Product#09100

Synonyms: Zinc oxide; Chinese white; Flowers of zinc

CAS No.: 1314-13-2

Formula: ZnO with Fe₂O₃



F.W.: 81.38

Appearance: Pink, odorless powder
 Identification A & B: To pass tests
 Assay: 98.0% to 100.5%
 Microbial Limits: To pass test
 Loss on ignition: 2.0% maximum
 Acid-insoluble substances: 2.0% maximum
 Alkaline substances: To pass test
 Arsenic (As): 8 ppm maximum
 Calcium (Ca): To pass test
 Calcium & Magnesium: To pass tests
 Lead (Pb): To pass test

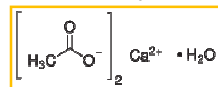
CALCIUM ACETATE MONOHYDRATE ACS

Product#09116

Synonyms: Calcium Diacetate; Acetic Acid calcium salt;
 Calcium acetate hydrate

CAS No.: 5743-26-0

Formula: $C_4H_6CaO_4 \cdot H_2O$



F.W.: 176.18

Appearance: Colorless to white crystals
 Assay: ≥99.0%
 Insoluble Matter: 0.005% maximum
 Alkalinity: To pass test
 Titrable acid: 0.035 meq/g maximum
 Chloride (Cl): 0.001% maximum
 Sulfate (SO₄): 0.01% maximum
 Barium (Ba): 0.01% maximum
 Heavy metals (as Pb): 0.005% maximum
 Iron (Fe): 0.001% maximum
 Magnesium (Mg): 0.05% maximum
 Potassium (K): 0.01% maximum
 Sodium (Na): 0.02% maximum
 Strontium (Sr): 0.05% maximum

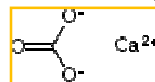
CALCIUM CARBONATE ACS

Product#09130

Synonyms: Carbonic Acid calcium salt; Calcite; Aragonite; Limestone

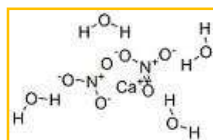
CAS No: 471-34-1

Formula: $CaCO_3$



F.W.: 100.09

Appearance:	White powder
Assay (dried basis):	≥99% CaCO ₃
Insoluble in dilute hydrochloric acid	0.01% maximum
Chloride (Cl)	0.001% maximum
Fluoride (F)	0.0015% maximum
Sulfate (SO ₄)	0.01% maximum
Ammonium (NH ₄)	0.003% maximum
Heavy metals (as Pb)	0.001% maximum
Iron (Fe)	0.003% maximum
Barium (Ba)	0.01% maximum
Magnesium (Mg)	0.02% maximum
Potassium (K)	0.01% maximum
Sodium (Na)	0.1% maximum
Strontium (Sr)	0.1% maximum



F.W.: 236.15



Assay:	99.0 - 103.0%
pH of a 5% solution:	5.0 - 7.0 at 25 deg. C
Insoluble matter	0.005% maximum
Chloride (Cl)	0.005% maximum
Nitrite (NO ₂)	0.001% maximum
Sulfate (SO ₄)	0.002% maximum
Barium (Ba)	0.005% maximum
Heavy metals (as Pb)	5 ppm maximum
Iron (Fe)	5 ppm maximum
Magnesium (Mg)	0.05% maximum
Potassium (K)	0.005% maximum
Sodium (Na)	0.01% maximum
Strontium (Sr)	0.05% maximum

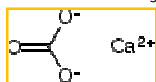
CALCIUM CARBONATE LIGHT USP

Product#09131

Synonyms: Carbonic acid calcium salt; Calcite; Aragonite; Limestone

CAS No: 471-34-1

Formula: CaCO₃



F.W.: 100.09

Assay:	98.0 - 100.5 %
Loss on drying @ 200 deg. C:	2.0 % maximum
Acid insoluble Substances:	0.2 % maximum
Fluoride (F):	0.005% maximum
Arsenic (As):	3 ppm maximum
Barium (Ba):	To pass test
Lead (Pb):	3 ppm maximum
Iron (Fe):	0.1 % maximum
Mercury (Hg):	0.5 ppm maximum
Magnesium and Alkali Salts:	1.0 % maximum
Heavy metals (as Pb):	0.002 % maximum
Organic Volatile Impurities:	To pass Test

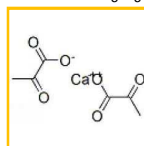
CALCIUM PYRUVATE

Product# 09220

Synonyms: Propanoic acid, 2-oxo-, calcium salt

CAS: 52009-14-0

Formula: C₆H₆CaO₆



F.W.: 214.9



Appearance:	Slightly yellow or off-white crystalline powder
Loss on drying:	≤ 10.0%
Assay:	98.0 - 102.0%
Chloride (Cl)	≤ 400 ppm maximum
Heavy metals (as Pb)	≤ 10 ppm maximum
Arsenic (As):	≤ 1 ppm maximum
Calcium (Ca):	≥ 15.0% maximum
Pyruvic radical:	≥60.0% maximum
Strontium (Sr)	0.05% maximum

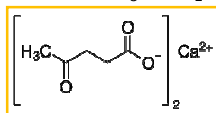
CALCIUM LEVULINATE DIHYDRATE

Product#09198

Synonyms: γ-Ketovaleric acid calcium salt; 4-Oxopentanoic acid calcium salt; Levulinic acid calcium salt dihydrate

CAS No: 5743-49-7

Formula: CH₃COCH₂CH₂COO*_{1/2}Ca*H₂O



F.W.: 154.17

Assay:	98% Minimum
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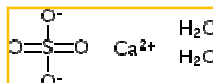
CALCIUM SULFATE DIHYDRATE

Product#09230

Synonyms: Gypsum; Alabaster; C.I. 77231; C.I. Pigment White 25; Sulfuric Acid; Calcium Salt

CAS No: 10101-41-4

Formula: CaSO₄*2H₂O



F.W.: 172.17

CALCIUM NITRATE TETRAHYDRATE ACS

Product#09209

Synonyms: Nitric acid, Calcium (II) salt, Calcium II nitrate, tetrahydrate (1:2:4), Calcium nitrate; 4-Hydrate, calcium dinitrate

CAS No: 13477-34-3

Formula: Ca(NO₃)₂*₄H₂O

Appearance:	White crystalline powder
Assay:	98.0 - 102.0%
Insoluble in dilute hydrochloric acid	0.02% maximum
Chloride (Cl)	0.005% maximum
Nitrate (NO ₃)	Passes test
Carbonate (CO ₃)	Passes test

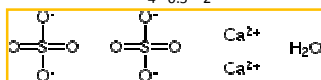
Heavy metals (as Pb)	0.002% maximum
Iron (Fe)	0.001% maximum
Magnesium (Mg)	0.02% maximum
Potassium (K)	0.005% maximum
Sodium (Na)	0.02% maximum
Strontium (Sr)	0.05% maximum

CALCIUM SULFATE HEMI-HYDRATE ACS Product#09238

Synonyms: Calcium Sulfate Hemihydrate 98%

CAS: 10034-76-1

Formula: $\text{CaSO}_4 \cdot 0.5\text{H}_2\text{O}$



F.W.: 145.15

Appearance:	White or Off-white powder
Assay (Titration):	97.5 - 102.5%
Identification:	Passes Test

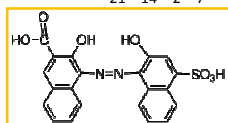
X-Ray Diffraction:	Conforms to Standard Pattern or Confirms Calcium and Sulfur Components
Solubility:	Very Slightly soluble in cold water. Slightly soluble in hot water. Soluble in acids, ammonium salts, and glycerin.

CALCONCARBOXYLIC ACID Product#09268

Synonyms: Patton and Reeder's Indicator

CAS No: 3737-95-9

Formula: $\text{C}_{21}\text{H}_{14}\text{N}_2\text{O}_7\text{S}$



F.W.: 438.41

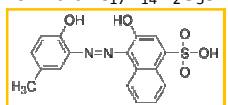
Appearance:	Very Dark Violet Powder
Lambda Max:	570 nm in Methanol

CALMAGITE Product#09330

Synonyms: 3-Hydroxy-4-(2-hydroxy-5-methylphenylazo)-1-naphthalensulfonic acid

CAS No: 3147-14-6

Formula: $\text{C}_{17}\text{H}_{14}\text{N}_2\text{O}_5\text{S}$



F.W.: 358.37

Appearance:	Black powder with chunks
Solubility 0.1% (water):	Clear red solution
Loss on drying at 110 Deg. C:	<10%
Absorptivity 1%/1cm, (Ammonia Buffer, pH 10.0+2ml of 0.05M EDTA solution) at Lambda max:	604.0 nm: >300
Visual transition Interval:	From pH 7.1 (red) To pH 9.1 (blue)
Suitability as Magnesium Indicator:	To pass test
Lambda max:	602 nm in 0.01 N Sodium Hydrate
Melting Point:	300 deg. C

DUDLEY CHEMICAL

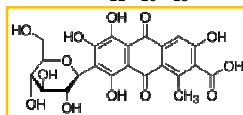
CARMINE CERTIFIED / CARMINIC ACID 50%

Product#09453

Synonyms: Alum lake of carminic acid; Cochineal; Natural Red 4;
C.I. 75470

CAS No: 1390-65-4

Formula: $\text{C}_{22}\text{H}_{20}\text{O}_{13}$



F.W.: 492.39

Appearance:	Dark pink to red powder
Dye Content (Carminic Acid):	50.0 – 55.0 %
Lambda Max.:	531 (563) nm in 0.1 N Sodium Hydroxide
Loss on drying:	20.0% maximum
Ash:	12.0% maximum
Arsenic (As):	< 1 ppm
Lead (as Pb):	< 10 ppm

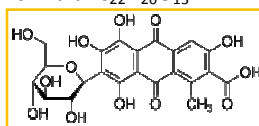
Solubility: Soluble in ethanol, alkali hydroxides, borax (0.8 mg/ml); partly soluble in water (8 mg/ml) or dilute acids.

CARMINIC ACID 95% Product#09464

Synonyms: C.I. 75470, Natural Red 4; 7-a-D-Glucopyranosyl-9,10-dihydro-3,5,6,8-tetrahydroxy-1-methyl, 9,10-dioxo-2-anthracene-carboxylic acid

CAS No: 1260-17-9

Formula: $\text{C}_{22}\text{H}_{20}\text{O}_{13}$



F.W.: 492.40

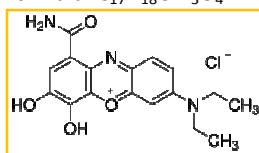
Appearance:	Red to Purple Powder
Assay:	95 % Minimum
Lambda Max:	495 nm

CELESTINE BLUE B Product#09500

Synonyms: C.I. 51050; Mordant Blue 14

CAS No: 1562-90-9

Formula: $\text{C}_{17}\text{H}_{18}\text{ClN}_3\text{O}_4$



F.W.: 363.80

Appearance:	Black to dark-grey to very dark brown powder
Identification:	Conforms to structure
Solubility (0.1% H2O):	Dark blue to dark purple solution
UV-Visible Spectrum Conc. 10.0 mg/l in H2O:	E(645 +/- 7 nm) = 29,000 minimum

CETYL TRIMETHYL AMMONIUM BROMIDE ACS

Product#09550

Synonyms: Cetrimonium bromide; CTAB;

Palmityltrimethylammonium bromide;
Hexadecyltrimethylammonium bromide

CAS No: 57-09-0

Formula: $C_{19}H_{42}NBr$



F.W.: 364.45

Appearance: Colorless to White to Faint Yellow powder

Identification(IR):

Conforms to structure

Solubility (0.1% H₂O):

Clear to Colorless solution

Assay (Titration):

99.0% Minimum

Residue on Ignition:

≤0.1%

Moisture (by KF):

< 0.5%

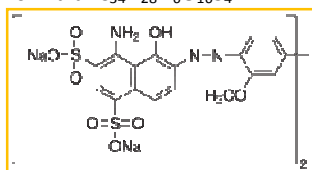
CHICAGO SKY BLUE 6B

Product#09601

Synonyms: C.I. Direct Blue 1; C.I. 24410; Atlantic resin fast blue

CAS No.: 2610-05-1

Formula: $C_{34}H_{28}N_6O_{16}S_4$



F.W.: 992.82

Appearance:

Dark blue to brown powder

Dye content:

~50%

Lambda max.:

618nm in water

I.R. Spectrum:

Conforms to structure and standard

Solubility (1% in water):

Opaque, dark blue solution

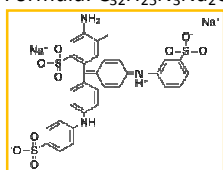
CHINA BLUE (ACID BLUE 22) C.I.42755

Product#09650

Synonyms: Acid Blue 22 C.I. 42755

C.A.S.: 28631-66-5

Formula: $C_{32}H_{25}N_3Na_2O_9S_3$



F.W.: 737.73

Appearance:

Brownish – Purple Powder

Identification:

Conforms to structure and standard

Lambda Max:

600 nm in water

Moisture content:

<10%

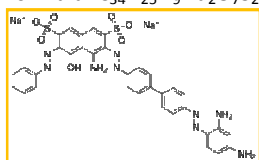
CHLORAZOL BLACK E CERTIFIED

Product#09656

Synonyms: Direct Black 38; C.I. 30235

C.A.S.: 1937-37-7

Formula: $C_{34}H_{25}N_9Na_2O_7S_2$



F.W.: 781.73

Appearance:

Brown to Black powder

Lambda Max(in Ethanol):

598-602 nm

Moisture:

<8%

Insolubility in water:

<0.8%

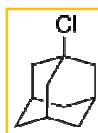
1-CHLOROADAMANTANE, 98%

Product#09660

Synonyms: 1-Adamantyl chloride

CAS No.: 935-56-8

Formula: $C_{10}H_{15}Cl$



F.W.: 170.68

Appearance:

White to light grey crystalline powder/chunks

Assay(Titration):

98.0% minimum

Melting Point:

161 - 166 Deg. C

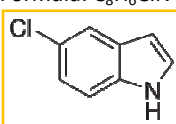
5-CHLOROINDOLE, 98%

Product#09682

Synonyms: 1H-Indole,-5-chloro-(9Cl)

CAS No.: 17422-32-1

Formula: C_8H_6ClN



F.W.: 151.60

Assay:

98.0% minimum

Melting Point:

69 to 71 Deg. C

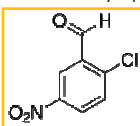
2-CHLORO-5-NITROBENZALDEHYDE

Product#09700

Synonyms: 3-Nitro-6-Chlorobenzaldehyde

CAS No.: 6361-21-3

Formula: $C_7H_4ClNO_3$



F.W.: 185.57

Appearance:

Off-white to pale yellow powder

Assay:

97% minimum

Melting Point:

76 °C to 82 °C

Moisture:

0.5% maximum

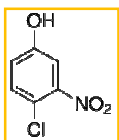
4-CHLORO-3-NITROPHENOL 98%

Product#09724

Synonyms: Phenol, 4-chloro-3-nitro

CAS No.: 610-78-6

Formula: $ClC_6H_3(NO_2)OH$



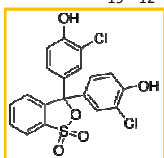
F.W.: 173.55

Appearance: Yellow to Brown Powder, Crystals,
Crystalline powder or chunks
Titration: 97.5% - 102.5% (by AgNO₃ after O₂ Combustion)
Melting Point: 125° C – 128°C

CHLOROPHENOL RED

Product#09801

Synonyms: Dichlorophenolsulfonephthalein
CAS No.: 4430-20-0
Formula: C₁₉H₁₂Cl₂O₅S



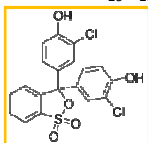
F.W.: 423.27

Appearance: Red to Green or Red-Brown crystalline powder
Visual Transition Interval: 4.8-5.2 pH Yellow, 6.4-6.8 pH Violet
IR: To pass test
Specific Extinction E (1% / 1cm) @ 575nm in 0.1 N NaOH: >1000
Solubility in alcohol(0.1% in ETOH): Clear

CHLOROPHENOL RED SODIUM SALT

Product#09803

Synonyms: Dichlorophenolsulfonephthalein
CAS No.: 4430-20-0
Formula: C₁₉H₁₂Cl₂O₅S

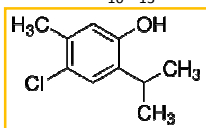


Appearance: Dark red to Brown crystals
Infrared Spectrum: Conforms to Structure
UV-Visible Spectrum: C=0.01 g/l, H₂O : E(575+/-3)nm = 22,000(min)
Visual Transition: pH 3.0 Yellow
Interval: pH 6.4 Violet
Titration: 70-130% (with Silver nitrate after oxygen combustion)

4-CHLOROTHYMOL

Product#09890

Synonyms: 4-Chloro-2-isopropyl-5-methylphenol
CAS No.: 89-68-9
Formula: C₁₀H₁₃ClO



F.W.: 184.66



Appearance: White to Off-White crystalline Powder

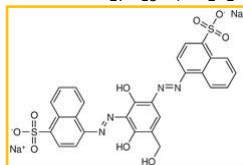
DUDLEY CHEMICAL

Identification (IR): Conforms to Structure
Melting Point: ≥ 57.5° C
Assay(GC): 99.5% minimum
Assay (Titration): (AgNO₃ after Oxygen Combustion): 99.5-101.5%
Solubility: 10% in Ethanol, clear to very slightly hazy yellow solution
Thymol: ≤ 0.01%
2-Chlorothymol: ≤ 0.01%
Bromothymol: ≤ 0.01%

CHOCOLATE BROWN HT

Product#09981

Synonyms: C.I. 20285; Food Brown #3; Brown HT
CAS No.: 4553-89-3
Formula: C₂₇H₁₈N₄Na₂S₂O₉



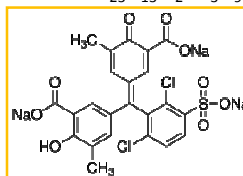
F.W.: 652.6

Dye content: ~70%
Arsenic: 3 ppm maximum
Lead: 10 ppm maximum
Mercury: 1 ppm maximum
Cadmium: 1 ppm maximum
Heavy metals: 40 ppm maximum
Water-insoluble matter: 0.2% maximum
Ether-extractable matter: 0.2% maximum

CHROME AZUROL S C.I.43825

Product#10100

Synonyms: Mordant Blue 29, C.I. No.: 43825
CAS No: 1667-99-8
Formula: C₂₃H₁₃Cl₂Na₃O₉S₂



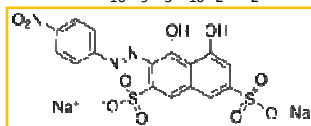
F.W.: 605.29

Appearance: Brown to black crystalline powder
Dye content: ~65%
Solubility: H₂O 100 mg/ml, EGME 100 mg/ml, EtOH 4 mg/ml
Solubility (1 mg/ml, H₂O): Clear dark red solution

CHROMOTROPE 2B C.I. 16575

Product#10396

Synonyms: Acid red 176; Chromotrope red 4B
CAS No: 548-80-1
Formula: C₁₆H₉N₃O₁₀S₂Na₂



F.W.: 513.37

Appearance: Greenish brown Powder
Melting Point: 300 deg. C

Lambda max: 514 nm in water

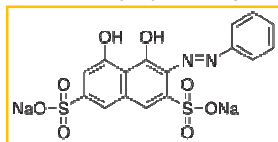
CHROMOTROPE 2R C.I. 16570

Product#10401

Synonyms: Acid Red 29, C.I. 16570 Mordant Blue 80

CAS No: 4197-07-3

Formula: $C_{16}H_{10}N_2Na_2O_8S_2$



F.W.: 468.37

Appearance: Brownish-red powder
Lambda Max: ~510 nm in Methanol
Loss on drying: < 10%
Solubility: 0.1% in water: Clear red solution

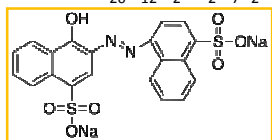
CHROMOTROPE FB

Product#10405

Synonyms: Disodium 2-(4-sulfo-1-naphthylazo)-1-naphthol-4-sulfonate.

CAS No: 3567-69-9

Formula: $C_{20}H_{12}N_2Na_2O_7S_2$



F.W.: 502.43

Appearance: Dark Red to Brown to Black powder
Infrared Spectrum: Conforms to Structure
UV-Visible Spectrum: 0.03 G/L, H2O
E(516 +/- 3NM) = >14,500
E(323 +/- 3NM) = >9,000
E(217 +/- 3NM) = >33,000

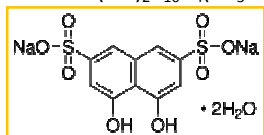
CHROMOTROPIC ACID DISODIUM SALT ACS

Product#10600

Synonyms: 4,5-Dihydroxynaphthalene-2,7-disulfonic acid disodium salt

CAS Number: 5808-22-0

Formula: $(HO)_2C_{10}H_4(SO_3Na)_2 \cdot 2H_2O$



F.W.: 400.29

Appearance: White to grey, beige or brown powder
Infrared Spectrum: Conforms to structure and standard
Melting Point: >300 Deg. C
Loss on drying: 9.0 – 10.0%
Assay on dried basis (by Nitrite value): 97.0% minimum
Aqueous solubility: Very soluble
Clarity of Solution: To pass test
Sensitivity to Formaldehyde: To pass test
Sensitivity to Nitrate: To pass test
NOTE: Material darkens in storage with no loss in purity

DUDLEY CHEMICAL

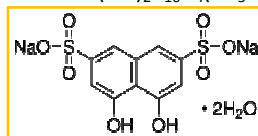
CHROMOTROPIC ACID DISODIUM SALT TECHNICAL

Product#10602

Synonyms: 4,5-Dihydroxynaphthalene-2,7-disulfonic acid disodium salt

CAS Number: 5808-22-0

Formula: $(HO)_2C_{10}H_4(SO_3Na)_2 \cdot 2H_2O$



F.W.: 400.29

Appearance: White to grey, beige or brown powder
Infrared Spectrum: Conforms to structure and standard
Melting Point: >300 Deg. C
Loss on drying: 9.0 – 10.0%
Assay on dried basis (by Nitrite value): 97.0% minimum
Aqueous solubility: Very soluble
Clarity of Solution: To pass test
Sensitivity to Formaldehyde: To pass test
Sensitivity to Nitrate: To pass test
NOTE: Material darkens in storage with no loss in purity

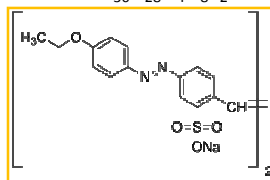
CHRYSTOPHENINE C.I. 24895

Product#10882

Synonyms: Benzenesulfonic Acid, 2,2'-(1,2-Ethenediyl)bis 5-(4-Ethoxyphenyl); c.i. 24895; Direct Yellow 12

CAS No.: 2870-32-8

Formula: $C_{30}H_{28}N_4O_8S_2$



F.W.: 680.67

Appearance: Orange to Orange Yellow Powder
Identification: To pass test
Solubility 0.1% (in Distilled water): Clear solution
Loss on drying: < 15%
Dye Content: ~ 65.0 %
Lambda max.: 389 nm in water

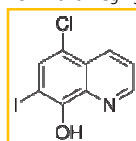
CLIOQUINOL EP/USP

Product#10910

Synonyms: 5-Chloro-7-iodo-8-quinolino; Alchloquin; Alioform; Bactol

CAS No: 130-26-7

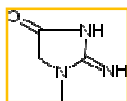
Formula: C_9H_5ClINO



F.W.: 305.50

Appearance: White to off-white, light yellow to yellow with a tan cast powder, free from foreign matter
Identification (I.R.): To conform to standard and structure
Assay (Dry Basis): 98% - 101%
Acidity or alkalinity: < 0.5ml NaOH 0.01M
Loss on drying: 0.5% maximum
Residue on Ignition: 0.1% maximum

Free Iodine and Iodide: To pass test
Solubility: Clear yellow to yellow-green solution at 50 mg/ml in Dioxane.



F.W.: 113.12

COLLOIDAL SILVER

Product#10950

Synonyms: Silver, HQ; Silver ICP Standard

CAS No.: 9015-51-4

Formula: Ag

Ag

F.W.: 107.87

Appearance: Grey to black-blue brilliant flakes or granulated powder. Almost odorless.

Identification: To pass test

Solubility: Insoluble in alcohol and ether. Slowly soluble in water.

Total Alkalinity: $\geq 2.8\%$

Silver Content: 70 – 75 %

Appearance:

Identification (IR):

White crystalline powder

To pass test

Loss on drying @105 °C:

3.0% maximum

Residue on Ignition:

0.2 % maximum

Assay (on dried substance):

98.5% – 102.0 %

Heavy Metals (as Pb):

0.001% maximum

Appearance of solution (5% aqueous solution): Clear and colorless

Melting Point:

~ 266 deg. C

Water (K.F.):

< 0.5 %

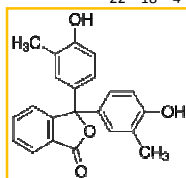
O-CRESOLPHTHALEIN

Product#12100

Synonyms: 3,3-Dimethylphthalein

CAS No: 596-27-0

Formula: $C_{22}H_{18}O_4$



F.W.: 346.38

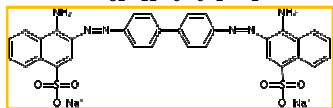
CONGO RED ACS

Product#11100

Synonyms: Direct Red 28; C.I. 22120

CAS No: 573-58-0

Formula: $C_{32}H_{22}N_6O_6S_2Na_2$



F.W.: 696.67

Appearance: Dark red to reddish-brown powder

Clarity of Solution: Passes Test

Aqueous solubility: Soluble

Visual Transition Interval: From pH 3.0 (blue) To pH 5.2 (red)

Loss on drying: 3.0 % maximum

Appearance:

Lambda Max:

Melting Point:

Loss on Drying @ 105 °C:

Visual Transition Interval:

Solubility in Ethanol:

White to off-white crystalline powder

566 (381) nm in 0.1 ml Sodium Hydroxide

223 - 225 deg. C

4.0 % maximum

From pH 8.2 (colorless),

To pH 9.8 (Violet Red)

Clear colorless solution

CONGO RED CERTIFIED

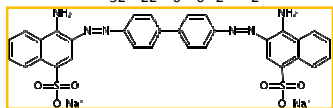
Product#11104

Synonyms: Congo Red; Congo Red Indicator Grade; C.I. 22120;

Direct Red 28

CAS No: 573-58-0

Formula: $C_{32}H_{22}N_6O_6S_2Na_2$



F.W.: 696.67

Appearance: Dark, Red-Brown Powder

Lambda Max: 497 nm in water & 1 ml Na_2CO_3

Visual Transition Interval: pH 3.0 (blue) to pH 5.0 (red)

Dye Content: 75 % minimum

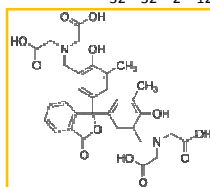
O-CRESOLPHTHALEIN COMPLEXONE ACS

Product#12102

Synonyms: Phthalein Purple; Metalphthalein; Xylenylphthalein-bisiminodiacetic acid

CAS No.: 2411-89-4

Formula: $C_{32}H_{32}N_2O_{12}$



F.W.: 636.60

Appearance:

Identification:

Residue on ignition:

Loss on drying:

Lambda Max:

Clarity of solution:

Suitability as a mixed indicator for complexometry: To pass test

White to light pink to tan crystalline powder

Conforms to structure and standard

0.5% maximum

10.0% maximum

575(377)nm in 0.1 N sodium hydroxide

To pass test

CREATININE

Product#11662

Synonyms: 2-Imino-N-methylhydantoin

CAS No: 60-27-5

Formula: $C_4H_7N_3O$

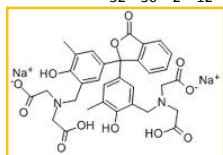
O-CRESOLPHTHALEIN COMPLEXONE SODIUM SALT

Product#12103

Synonyms: Glycine, N,N'-(3-Oxo-1(3H)-Isobenzafuranylidene) Bis(6-Hydroxy-)

CAS No.: 94442-10-1

Formula: $C_{32}H_{30}N_2O_{12}Na_2$



F.W.: 680.57

Loss on drying:
Solubility (0.1 % in water):
Suitable for complexometry:

10.0 % minimum
Clear
Passes Test

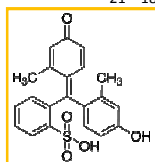
META-CRESOL PURPLE

Product#12130

Synonyms: m-Cresolsulfonephthalein

CAS No: 2303-01-7

Formula: $C_{21}H_{18}O_5S$



F.W.: 382.43

Appearance: Dark Green to Olive Green Powder
Identification (IR): Confirms to standard
Visual Transition Intervals: pH 1.2 (red) to pH 2.8 (yellow)
pH 7.4 (yellow) to pH 9.0 (purple)
Loss on drying: 1.5% maximum
Assay: 90.0% minimum
Lambda Max: 579(371)nm in 0.005N Sodium Hydroxide in Methanol
Solubility(0.1% in 50% Methanol): Clear, Very slightly soluble in water and ethanol, and soluble in methanol and acetic acid.

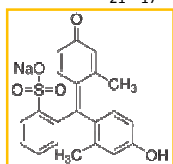
META-CRESOL PURPLE W/S

Product#12135

Synonyms: m-Cresol Purple water-soluble;
m-Cresolsulfonephthalein Sodium Salt

CAS No.: 62625-31-4

Formula: $C_{21}H_{17}O_5SNa$



F.W.: 404.42

Appearance: Dark orange powder and/or crystals
Identification: Confirms to structure and standard
Visual Transition Interval: pH 1.2 (Red) to pH 2.8 (Yellow)
pH 7.4 (Yellow) to pH 9.0 (Purple)
Solubility(1 mg/ml, 1N NH4OH): Clear, deep purple solution

CRESOL RED FREE ACID

Product#12152

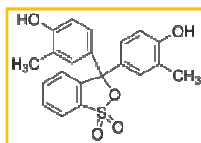
Synonyms: Cresol Red Ethanol; CresolSulfonephthalein

CAS No: 1733-12-6

28

Phone: 1-732-886-3100 Fax: 1-732-886-3688

Formula: $C_{21}H_{18}O_5S$



F.W.: 382.43

Appearance: Metallic Green Powder
Lambda Max: 570 (367) nm in water
Visual Transition Intervals: pH 2.0 (orange) to pH 3.0 (yellow)
pH 7.2 (yellow) to pH 8.8 (red)

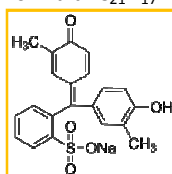
CRESOL RED SODIUM SALT

Product#12157

Synonyms: o-Cresol Water Soluble; o-Cresolsulfonphthalein Sodium Salt

CAS No.: 62625-29-0

Formula: $C_{21}H_{17}NaO_5S$



F.W.: 404.42

Appearance: Orange to orange-brown to very dark brown
Crystalline powder and/or crystals
Solubility (1 mg/ml, H2O): Clear, dark red solution
Dye content: ~95%
Lambda Max: 425nm in ethanol
Visual Transition Interval: pH 0.2(orange) - 1.8(yellow)
pH 7.2 (yellow) - 8.8(reddish-purple)
Loss on drying @110 deg. C/1hour: <5%

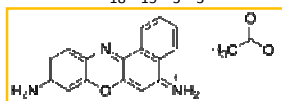
CRESYL VIOLET ACETATE CERTIFIED

Product#12166

Synonyms: Cresyl echt violet; Cresyl violet acetate oxazine 9.

CAS No: 10510-54-0

Formula: $C_{18}H_{15}N_3O_3$



F.W.: 321.34

Appearance: Dark-green to almost black powder
Identification: To pass test
Lambda Max: 596 - 599 nm (in 50 % Ethanol)
Dye content: > 65.0%
Melting Point: 140 - 145 Deg. C

Solubility: 2% in water, 1% in ethanol

CROCEIN ORANGE G

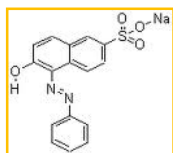
Product#12168

Synonyms: 1-Phenylazo-2-naphthol-6-sulfonic acid sodium salt;
C.I. 15970; Acid Orange 12; Ponceau 4 GB

CAS No: 1934-20-9

Formula: $C_{16}H_{11}N_2NaO_4S$

Email: dudley@dudley-chem.com



F.W.: 350.32

Appearance: Red-orange to orange powder
 Identification: To pass test
 Loss on drying @110 deg. C/1hr: < 20.0%
 Solubility: Soluble in water; moderately soluble in acetone, methyl Cellosolve and ethanol.
 Absorptivity 1%/1cm (Water)At Lambda Max: 485.0 nm in water

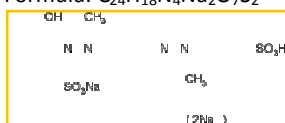
CROCEIN SCARLET 7B (ACID RED 71)

Product#12171

Synonyms: Acid Red 71; C.I. 27165

CAS No.: 6226-76-2

Formula: $C_{24}H_{18}N_4Na_2O_7S_2$



F.W.: 584.53

Appearance: Red to Brown powder with orange cast
 Identification: To pass test
 Dye content: > 70.0%
 Solubility 1 mg/ml of water: Dark red solution
 Loss on drying at 110 Deg. C/ 1 hour: < 20.0%

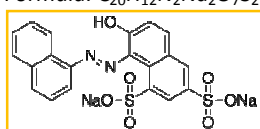
CRYSTAL SCARLET C.I. 16250

Product#12179

Synonyms: C.I. 16250; Acid Red 44; Ponceau 6R; Crystal Ponceau 6R;
 Brilliant Crystal Scarlet

CAS No.: 2766-77-0

Formula: $C_{20}H_{12}N_2Na_2O_7S_2$



F.W.: 502.43

Appearance: Dark brown powder
 Identification: To pass test
 Melting Point: > 300 Deg. C
 Lambda Max: 509-514 nm
 Dye content: ~ 80%
 Solubility 0.1% (Water): Clear red solution
 Loss on drying at 110 Deg. C/ 1 hour: <20%

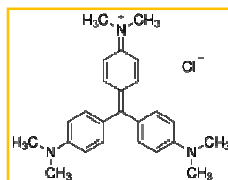
CRYSTAL VIOLET ACS

Product#12186

Synonyms: Basic Violet 3; C.I. 42555; Hexamethylpararosanine Chloride; Gentian Violet

CAS No: 548-62-9

Formula: $C_{25}H_{30}ClN_3$



F.W.: 407.99

Appearance: Dark Green Crystals/Powder
 Assay (on anhydrous basis): 96.0 % - 100.5%
 Assay (as is): > 88%
 Lambda max.: 589 – 594 nm
 Ratio of absorbances: 0.98 – 1.20
 Loss on Drying 105 Deg.C/1hr: < 7.5 %
 Residue on Ignition: <1.5%
 Sensitivity as indicator: To pass Test
 Visual Transition Interval: From pH 0.0 (yellow) To pH 2.0 (violet)
 Lead (Pb): 0.003% maximum
 Zinc (Zn): 0.050% maximum
 Alcohol-insoluble substances: <1.0%

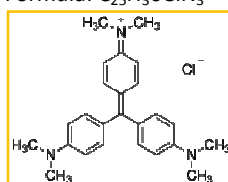
CRYSTAL VIOLET CERTIFIED

Product#12186

Synonyms: Basic Violet 3; C.I. 42555; Hexamethylpararosanine Chloride; Gentian Violet

CAS No: 548-62-9

Formula: $C_{25}H_{30}ClN_3$



F.W.: 407.99

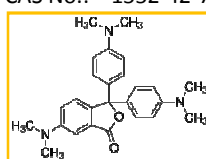
Appearance: Green to Green-Brown Powder
 Assay (on anhydrous basis): 96.0 % - 100.5%
 Assay (as is): > 88%
 Lambda max.: 589 – 594 nm
 Ratio of absorbances: 0.98 – 1.20
 Loss on Drying 105 Deg.C/1hr: < 7.5 %
 Residue on Ignition: <1.5%
 Sensitivity as indicator: To pass Test
 Visual Transition Interval: From pH 0.0 (yellow) To pH 2.0 (violet)
 Lead (Pb): 0.003% maximum
 Zinc (Zn): 0.050% maximum
 Alcohol-insoluble substances: <1.0%
 Note: Certified by the Biological Stain Commission

CRYSTAL VIOLET LACTONE

Product#12201

Synonyms: 6-Dimethylamino-3,3-bis(4-dimethylaminophenyl)phthalide

CAS No.: 1552-42-7



F.W.: 415.53

Appearance (form): Powder

Infrared spectrum: Conforms to structure
Wavelength: 269-275 nm $c=0.01\text{g/l}$ Methanol
Extinction Coefficient: ≥ 50000
Carbon: 72.4 – 77.8%
Nitrogen: 9.6-10.5%

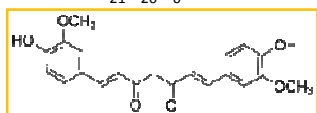
CURCUMIN C.I. 75300

Product#12350

Synonyms: Natural Yellow 3; C.I. 75300; (E,E)-1,7-bis(4-Hydroxy-3-methoxyphenyl)-1,6-heptadiene-3,5-dione; Diferuloylmethane.

CAS No: 458-37-7

Formula: $\text{C}_{21}\text{H}_{20}\text{O}_6$



F.W.: 368.39

Appearance: Yellow to orange powder tasteless powder
Identification: Conforms to structure and standard
Loss on drying @105 deg.C: 2.0% maximum
Assay (on dried basis): 98% minimum
Solubility (10 mg/ml in ethanol): Clear - hazy yellow - orange solution
Melting Point: 183 Deg. C
UV-Vis Spectrum: Maximum absorbance at approx. 430nm

Visual Transition Interval: From pH 7.4 (yellow) to pH 8.6 (red)
From pH 10.2 (red) to pH 11.8 (orange)

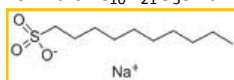
1-DECANESULFONIC ACID SODIUM SALT HPLC

Product#12801

Synonyms: Sodium decane-1-sulfonate

CAS No: 13419-61-9

Formula: $\text{C}_{10}\text{H}_{21}\text{O}_3\text{SNa}$



F.W.: 244.33

Appearance: Fine white to off-white powder
Assay: 99.0 % minimum
Water: < 1%
Solubility (5 % Water): Clear, colorless solution
Maximum absorbency (UV 0.20 M Solution):
210 nm < 0.05 AU
220 nm < 0.03 AU
230 nm < 0.02 AU
260 nm < 0.02 AU

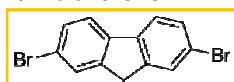
2,7-DIBROMOFLUORENE

Product#13250

Synonyms: 9H-Fluorene, 2, 7-dibromo-

CAS No: 16433-88-8

Formula: $\text{C}_{13}\text{H}_8\text{Br}_2$



F.W.: 324.01

Appearance: White to off-white crystalline powder
Melting Point: 164 - 166 Deg. C
Assay (by HPLC): 97% minimum
Water: 3 % maximum

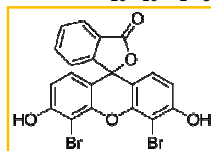
4',5'-DIBROMOFLUORESCEIN

Product#13280

Synonyms: Solvent Red 72; C.I. 45370:1

CAS No: 596-03-2

Formula: $\text{C}_{20}\text{H}_{10}\text{Br}_2\text{O}_5$



F.W.: 490.12

Appearance: Orange powder
Identification: Conforms to structure and standard
Dye content: ~95%
Melting Point: 270-275 Deg. C (lit.)
Lambda max.: 450nm in methanol
Loss on drying @100 deg.C: 5.0% maximum
Solubility 10 mg/ml, 0.5N NH_4OH (heat): Clear yellow to slightly dark Orange solution

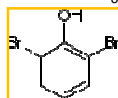
2,6-DIBROMOPHENOL

Product#13400

Synonyms: Phenol, 2,6-dibromo

CAS No: 608-33-3

Formula: $\text{C}_6\text{H}_4\text{Br}_2\text{O}$



F.W.: 251.90

Appearance: Off-white to light-grey to ash-colored powder
Identification: To conform to standard
Assay (GLC): 99.0 % minimum
Melting Point: 53 - 58 Deg. C
Boiling Point: 255 - 256 Deg. C @ 740 mm Hg

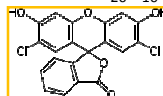
2,7 - DICHLOROFLUORESCEIN ACS

Product#14104

Synonyms: 2,7-Dichloro-3,6-fluorandiol;
2,7-Dichloro 3,6-dihydroxyspiro[isobenzofuran-1(3H),
9'[9H]xanthen]-3-one

CAS No: 76-54-0

Formula: $\text{C}_{20}\text{H}_{10}\text{Cl}_2\text{O}_5$



F.W.: 401.20

Appearance: Orange to Red-Brown powder

Identification (IR): To conform to standard
Clarity of alcohol solution: Passes Test
Suitability as adsorption indicator: Passes test

2,3 - DICHLOROBENZOIC ACID

Product#14117

Synonyms: Benzoic acid, 1,3-dichloro

CAS No.: 50-45-3

Formula: $\text{C}_7\text{H}_4\text{Cl}_2\text{O}_2$



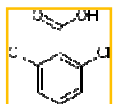
F.W.: 191.01

Appearance: White crystalline powder
 Assay (by HPLC): 99% minimum
 Moisture: 0.3% maximum
 Melting Point: 168 C to 170 C

2,6 – DICHLOROBENZOIC ACID

Product#14120

Synonyms: Benzoic acid, 2,6-dichloro-
 CAS No. 50-30-6
 Formula: $C_7H_4Cl_2O_2$



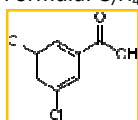
F.W.: 191.01

Appearance: White to off-white powder or chunks
 Identification: To pass test
 Assay (by HPLC): 97.50% - 102.50%
 Melting Point: 141 °C to 145 °C

3,5 – DICHLOROBENZOIC ACID

Product#14123

Synonyms: Benzoic acid, 3,5-dichloro-
 CAS No.: 51-36-5
 Formula: $C_7H_4Cl_2O_2$



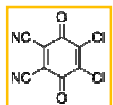
F.W.: 191.01

Appearance: White to off-white powder or crystals
 Assay: 98.5% minimum
 Melting Point: 182 - 187 deg. C
 Moisture: < 1 %
 Solubility (1% in methanol): Clear, light straw-colored

2,3 – DICHLORO-5,6-DICYANO-1,4-BENZOQUINONE

Product#14125

Synonyms: DDQ, 4,5-Dichloro-3,6-dioxo-1,4-cyclohexadiene-, 2-carbonitrile
 CAS No.: 84-85-2
 Formula: $C_8Cl_2N_2O_2$



F.W.: 227.01



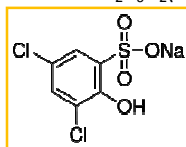
Appearance: Yellow to orange powder
 Identification: Conforms to structure
 Melting Point: 210-217 deg. C
 Assay: > 98.00%
 Loss on drying: < 0.50%
 Residue on ignition: < 0.20%

DUDLEY CHEMICAL

3,5 – DICHLORO-2-HYDROXYBENZENESULFONIC ACID SODIUM SALT

Product#14127

Synonyms: HDCBS
 C.A.S.: 54970-72-8
 Formula: $Cl_2C_6H_2(OH)SO_3Na$



F.W.: 265.05

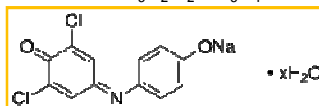
Appearance: White sparkling flakes or powder
 Assay (Titration): 98.5% - 101.5%
 (with AGNO3 after oxygen combustion)
 Assay (HPLC): 98.5% minimum
 Moisture: 1% maximum
 Solubility (5% in water): Clear, colorless solution
 Elemental Analysis: Carbon 26.8 – 27.6%

2,6 – DICHLOROINDOPHENOL SODIUM SALT

Product#14130

Synonyms: 2,6-dichloro-4-[(4-hydroxyphenyl)imino]-2,5-cyclohexadien-1-one sodium salt

CAS No: 620-45-1
 Formula: $O:C_6H_2Cl_2:NC_6H_4ONa$



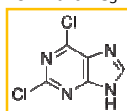
F.W.: 290.08

Appearance: Dark green powder
 Identification: Conforms to structure
 Loss on drying: < 12.0 %
 Interfering dyes: The specified mixture is nearly colorless with no trace of red or blue
 Solubility 0.1% (50% EtOH+1N 1ml Na2CO3): Clear blue solution

2,6 – DICHLOROPURINE

Product#14152

Synonyms: 1H-Purine, 2,6-dichloro-
 CAS No: 5451-40-1
 Formula: $C_5H_2Cl_2N_4$



F.W.: 189.00

Appearance: White to off-white crystalline powder
 Identification: Conforms to structure and standard
 Assay (HPLC): 98.0 % minimum
 Loss on drying: 0.50% maximum
 Heavy metals: 10 ppm maximum
 Residue on Ignition: 0.10% maximum
 Solubility (50 mg/ml, Ethanol): Clear, colorless, colorless to pale yellow solution

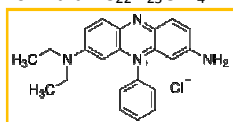
DIETHYL SAFRRANINE

Product#14154

Synonyms: 3-Amino-7-[diethylamino]-5-phenyl phenazium chloride, Methylene Violet 3 RAX

CAS No: 4569-86-2

Formula: $C_{22}H_{23}ClN_4$



F.W.: 378.91

Appearance: Green crystalline powder
Melting Point: 285°C
Lambda Max: 557 nm in water

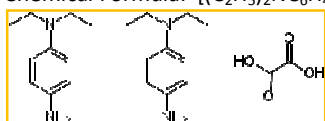
N,N-DIETHYL-P-PHENYLENEDIAMINE OXALATE

Product#14160

Synonyms: p-Amino-diethylaniline oxalate

CAS No: 62637-92-7

Chemical Formula: $[(C_2H_5)_2NC_6H_4NH_2]_2(COOH)_2$



F.W.: 418.55

Appearance: Off-white - beige - yellow to light purple gray powder
Assay (Titration): 85 % minimum
Identification: Passes Test
Moisture: 1.0% maximum

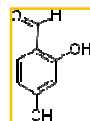
2,4-DIHYDROXYBENZALDEHYDE, 98%

Product#14162

Synonyms: Greekbeta-Resorcylaldehyde

CAS No.: 95-01-2

Formula: $C_7H_6O_3$



F.W.: 138.12

Appearance: Off-white to tan to light red powder
Identification: Conforms to structure and standard
Assay (HPLC): 98.0% minimum
Melting Point: 135 - 140 deg. C (lit.)
Boiling Point: 220 - 228 deg. C @ 22 mm Hg
Storage Information: Air sensitive

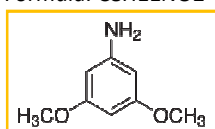
3,5-DIMETHOXYANILINE

Product#14168

Synonyms: 3,5-Dimethoxybenzeneamine

CAS No: 10272-07-8

Formula: $C_8H_{11}NO_2$



F.W.: 153.20

Appearance: Off-white to beige to grey or brown crystalline

powder and/or chunks.
Assay (GC): 98.5% minimum
Melting Point: 54 - 57 Deg. C
Boiling Point: 178 Deg. C (20mm Hg)
Solubility(25 mg/ml $CHCl_3$): Clear, very faint tan solution

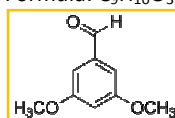
3,5-DIMETHOXYBENZALDEHYDE, 98%

Product#14169

Synonyms: Benzaldehyde, 3,5-Dimethoxy

CAS No: 7311-34-4

Formula: $C_9H_{10}O_3$



F.W.: 166.18

Appearance: White to beige to yellow powder or crystals.
Infrared spectrometry: Conforms to standard.
Melting Point: 44 - 48 Deg. C
Assay (GC): >97.5

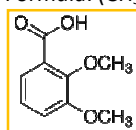
2,3-DIMETHOXYBENZOIC ACID

Product#14171

Synonyms: O-Veratric Acid

CAS No.: 1521-38-6

Formula: $(CH_3O)_2C_6H_3CO_2H$



F.W.: 182.18

Appearance: White to Off-white or beige crystalline powder
Assay (NaOH Titration): 99.0% minimum
Melting Point: 121 °C to 125 °C
Loss on drying: 0.5% maximum

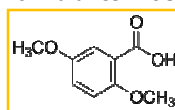
2,5-DIMETHOXYBENZOIC ACID

Product#14175

Synonyms: Gentisic Acid Dimethyl ester

CAS No: 2785-98-0

Formula: $C_9H_{10}O_4$



F.W.: 182.18

Appearance: White crystalline powder
Assay: 98.0 %
Melting Point: 76 - 79 deg. C

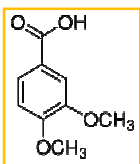
3,4-DIMETHOXYBENZOIC ACID

Product#14178

Synonyms: Veratric Acid

CAS No: 93-07-2

Formula: $(CH_3O)_2C_6H_3CO_2H$



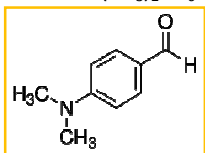
F.W.: 182.18

Appearance: White to pale yellow crystalline powder
 Assay (Titration): 99.0 % - 101.0%
 Melting Point: 179 - 182 Deg. C
 Solubility(50 mg/ml, 95% Ethanol): Clear to slightly hazy, colorless to yellow solution.

4-(DIMETHYLAMINO)BENZALDEHYDE ACS Product#14191

Synonyms: p-Dimethylaminobenzaldehyde ACS

CAS No: 100-10-7

Formula: $(\text{CH}_3)_2\text{NC}_6\text{H}_4\text{CHO}$ 

F.W.: 149.19

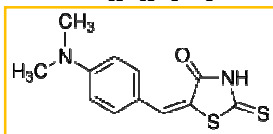
Appearance: White to off-white to light yellow fine Crystals
 Assay (GC): 98.0% minimum
 Melting Point: 73 - 75 °C
 Residue after ignition: 0.1 % maximum
 Solubility in alcohol: To pass test
 Color (APHA) of alcohol solution: 60 APHA maximum
 Solubility in hydrochloric acid: To pass test
 Color of hydrochloric acid Solution: To pass test

5-[4-(DIMETHYLAMINO)BENZYLIDENE]RHODANINE

Product#14196

Synonyms: p-(Dimethylamino)Benzal-5-Rhodanine

CAS No: 536-17-4

Formula: $\text{C}_{12}\text{H}_{12}\text{N}_2\text{OS}_2$ 

F.W.: 264.35

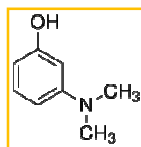
Appearance: Orange to red to purple powder
 Assay: 97.0 % minimum
 Melting Point: 282.0 - 288.0 Deg. C
 Absorbance (Lambda max.): 451nm in methanol
 Carbon: 52.6% - 56.4%
 Nitrogen: 10.2% - 11.0%

3-(DIMETHYLAMINO)PHENOL 97%

Product#14199

Synonyms: n,n-Dimethyl-3-aminophenol

CAS No: 99-07-0

Formula: $\text{C}_8\text{H}_{11}\text{NO}$ 

F.W.: 137.2

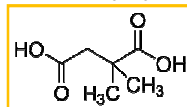
Appearance: Grey, brown to purple crystalline powder
 Assay (GC): 97% minimum
 Identification: To Pass Test
 Melting Point: 80-85 Deg. C

2,2-DIMETHYLSUCCINIC ACID, 99%

Product#14204

Synonyms: 2,2-Dimethylbutane-1,4-dioic acid

CAS No: 597-43-3

Formula: $\text{C}_6\text{H}_{10}\text{O}_4$ 

F.W.: 146.14

Appearance: White crystalline powder
 Assay: >99.0% (NaOH titration)
 Melting Point: 139 - 142 Deg. C
 Solubility (5% in H2O): Clear, colorless solution

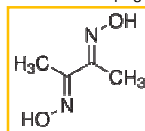
DIMETHYLGLYOXIME ACS (2,3-BUTANEDIONE DIOXIME)

Product#14211

Synonyms: 2,3-Butanedione dioxime; Diacetyl dioxime;

2,3-Diisobutylbutane; Biacetyl, dioxime; Glyoxime, dimethyl

CAS No: 95-45-4

Formula: $\text{C}_4\text{H}_8\text{N}_2\text{O}_2$ 

F.W.: 116.12

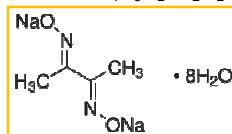
Appearance: White to off-white crystalline powder
 Identification: To pass test
 Suitability for nickel determination: To pass test
 Melting Point: 239-242 °C
 Insoluble in alcohol: 0.05% maximum
 Residue after ignition: 0.05% maximum

DIMETHYLGLYOXIME DISODIUM SALT HYDRATE

Product#14214

Synonyms: 2,3-Butanedione Dioxime Disodium Salt

CAS No: 75006-64-3

Formula: $\text{C}_4\text{H}_6\text{N}_2\text{Na}_2\text{O}_2 \cdot 8\text{H}_2\text{O}$ 

F.W.: 304.2

Appearance: Off-white powder
 Assay: 97% minimum
 Water content: 40% minimum

Solubility 50 mg/ml, 50% ethanol: Clear, colorless solution
Sensitivity for nickel: To pass test
Melting Point: >300 Deg. C

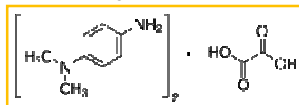
N,N-DIMETHYL-P-PHENYLENEDIAMINE 1 HCL

Product#14215

Synonyms: 4-(Dimethylamino)aniline monohydrochloride

CAS No.: 2052-46-2

Formula: $C_8H_{12}N_2 \cdot HCl$



F.W.: 172.66



Appearance: Off-white to grey to pink crystalline powder or chunks

Assay: 97% minimum

Identification: To conform

Solubility (50 mg/ml, H₂O): Clear to very slightly hazy, pink to red-purple solution

Melting Point: 215 Deg. C (dec)

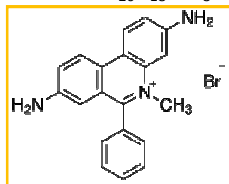
DIMIDIUM BROMIDE

Product#14222

Synonyms: 3, 8-Diamino-5-methyl-6-phenylphenanthridinium bromide

CAS No.: 518-67-2

Formula: $C_{20}H_{18}BrN_3$



F.W.: 380.28

Appearance: Maroon to dark purple to black powder

Identification: Conforms to structure and standard.

Assay: 95.0 – 106.0% (Silver Nitrate Titration)

Loss on drying: 5% maximum

pH: 6 - 7

Solubility: Clear to slightly hazy dark orange to red-orange (1 g in 100 ml H₂O) to dark red solution.

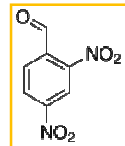
2,4-DINITROBENZALDEHYDE

Product#14229

Synonyms: Benzaldehyde, 2,4-dinitro-

CAS No.: 528-75-6

Formula: $C_7H_4N_2O_5$



F.W.: 196.1

Appearance: Buff crystalline powder

Appearance of Solution (5% in methanol): Clear, very pale yellow

Assay (HPLC): 98% minimum

Melting Point: 69 °C to 71 °C

DUDLEY CHEMICAL

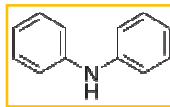
DIPHENYLAMINE ACS

Product#14234

Synonyms: N-Phenylbenzeneamine

CAS No: 122-39-4

Formula: $(C_6H_5)_2NH$



F.W.: 169.23



Appearance: White-almost white Powder, darken to light

Melting Point: 52.5 – 54.0 deg. C

Residue after ignition: 0.03 % maximum

Nitrate (NO₃): To pass Test

Sensitivity to nitrate: To pass Test

Solubility in alcohol: To pass Test

Aqueous solubility 0.03g in 100ml at 25 DegC: To pass Test

Boiling Point: 302 Deg. C/760 mm Hg

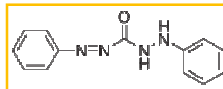
DIPHENYLCARBAZONE

Product#14239

Synonyms: Phenylazoformic acid 2-phenylhydrazide

CAS No.: 538-62-5

Formula: $C_6H_5NHNHCON=NC_6H_5$



F.W.: 240.26

Appearance: Orange Powder

Solubility: 2.5% in Methanol; Clear, Red or Red-Orange Solution

Carbon: 62.0% - 68.0%

Nitrogen: 22.0% - 25.0% For Colorimetric Analysis

Sensitivity: To Pass test

Solubility in Acetone: To pass test

Residue after ignition: 0.1 % maximum

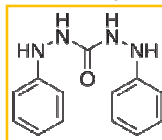
1,5-DIPHENYLCARBOHYDRAZIDE ACS

Product#14271

Synonyms: 1,5-Diphenylcarbazide; 5-diphenylcarbazide, DPC

CAS No: 140-22-7

Formula: $C_{13}H_{14}N_4O$



F.W.: 242.28

Appearance: Off-White crystals

Assay (HPLC): 97% minimum

Melting point: 173 - 176 deg. C

Residue after ignition: 0.05 % maximum

Loss on drying: 1.0% maximum

Sensitivity to Chromate: To pass Test

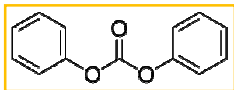
Solubility in aqueous acetone: To pass Test

DIPHENYL CARBONATE, 99%

Product#14280

Synonyms: Phenyl Carbonate

CAS No.: 102-09-0

Formula: $(C_6H_5O)_2CO$ 

F.W.: 214.22

Appearance: White powder, chips or chunks

Assay (GC): 99.0% minimum

Phenol (Chemical method): 0.1% maximum

Water: 0.1% maximum

pH: 6.8-7.2

Melting Point: 78-81 °C

Boiling Point: 301-302 °C

Iron (Fe): 3 ppm maximum

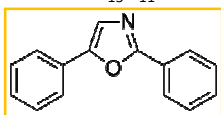
Solubility(100 mg/ml CHCL3): Clear, colorless solution

2,5-DIPHENYLOXAZOLE, 99%

Product#14290

Synonyms: PPO

CAS No.: 92-71-7

Formula: $C_{15}H_{11}NO$ 

F.W.: 221.26

Appearance: White crystalline powder

Identification (IR): Conforms to structure

Assay (TLC): 99 % minimum

Solubility (40% in toluene): Clear and colorless

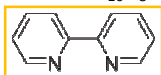
Melting point: 70°C to 72°C

2,2-DIPYRIDYL ACS

Product#14301

Synonyms: Alpha, alpha'-Dipyridyl; 2,2'-Bipyridine

CAS No.: 366-18-7

Formula: $C_{10}H_8N_2$ 

F.W.: 156.19



Appearance: White to off-white crystalline powder

Melting Point: 68.0 – 71.0 Deg. C

Boiling Point: 271.0-273.0 Deg. C

Assay: 98.0% minimum

Loss on drying: < 0.5%

Sensitivity to ferrous iron: To pass test

Clarity and absorbance of solution: To pass test

Aqueous solubility: Soluble in about 200 parts water

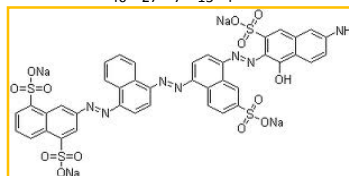
Heavy metals (as Pb): 0.005% maximum

DIRECT BLUE 71 C.I. 34140

Product#14351

Synonyms: Benzo Light Blue FFL; Sirius Light Blue BRR; 1,5-Naphthalenedisulfonic Acid; 3-4-4-(6-Amino-1-Hydroxy-3-Sulfate);

CAS No.: 4399-55-7

Formula: $C_{40}H_{27}N_7O_{13}S_4$ 

F.W.: 1029.88

Appearance: Black powder

Lambda max.: 594nm in water

Dye content: ~50%

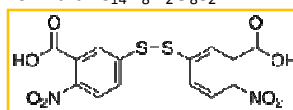
5,5'-DITHIOBIS(2-NITROBENZOIC ACID), 99%

Product#14502

Synonyms: 3-Carboxy-4-nitrophenyl disulfide; DTNB;

Ellmann's Reagent

CAS No: 69-78-3

Formula: $C_{14}H_8N_2O_8S_2$ 

F.W.: 396.34

Appearance: Off-White to yellow powder

Assay (Titration): 99.0% minimum

Identification: To Pass Test

Melting Point: 230-245 Deg. C

Loss on drying: 0.5% maximum

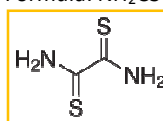
Solubility (1%, Ethanol): Clear, light yellow solution

DITHIOOXAMIDE 98%

Product#14527

Synonyms: Dithiooxalic diamide; Rubeanic acid

CAS No: 79-40-3

Formula: $NH_2CSCSNH_2$ 

F.W.: 120.20

Appearance: Orange, red or brown crystalline powder

Identification (IR): Conforms to structure and standard

Assay: 98% minimum

Melting Point: > 300 Deg. C

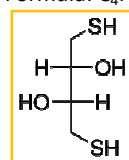
Residue on Ignition: 0.1% maximum

1,4-DITHIOTHREITOL (DTT)

Product#14551

Synonyms: DTT; Cleland's Reagent

CAS No.: 3483-12-3

Formula: $C_4H_{10}O_2S_2$ 

F.W.: 154.25

Appearance: White crystalline powder
 Identification (I.R.): Conforms to structure and standard
 Assay (by iodine titration): 99% minimum
 TLC: One spot
 Oxidized DTT: < 0.50%
 Melting Point: 38 to 44 degrees C
 Loss on drying: < 0.50%
 Solubility (5% in H₂O): Clear colorless to very faint yellow solution, free from particles & sediment.

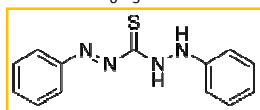
DITHIZONE ACS

Product#14800

Synonyms: (Phenylazo)thioformic Acid 2-Phenylhydrazide;
 Diphenylthiocarbazone

CAS No: 60-10-6

Formula: C₆H₅NHNHCSN:NC₆H₅



F.W.: 256.33

Appearance: Dark purple to black crystalline powder
 Assay (by spectrophotometry): 85 % minimum
 Residue after ignition: 0.2% maximum
 Heavy metals (as Pb): 0.002 % maximum
 Ratio of absorbances: ≥1.55

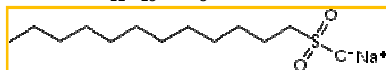
1-DODECANESULFONIC ACID SODIUM SALT Anhydrous

Product#18002

Synonyms: Lauryl Sodium Sulfonate

CAS No: 2386-53-0

Formula: C₁₂H₂₅NaO₃S



F.W.: 272.4

Appearance: Fine white crystals
 Assay: 99 % minimum
 Water: 1.0 % maximum
 Max Absorbance: 5% in H₂O (50 Deg. C)
 210 nm < 0.050 A.U., 220 nm < 0.030 A.U., 230 nm < 0.020 A.U.

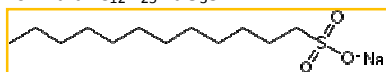
1-DODECANESULFONIC ACID SODIUM SALT 1 HY

Product#18006

Synonyms: Lauryl Sodium Sulfonate

CAS No: 2386-53-0

Formula: C₁₂H₂₅NaO₃S



F.W.: 272.4

Appearance: Fine white crystals
 Infrared Spectrum: Conforms To Structure
 Elemental analysis: Carbon 52.4 – 53.4%
 Solubility: 25mg/ml H₂O, Clear Colorless solution
 May require heating

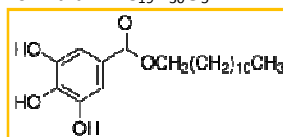
DODECYL GALLATE

Product#18540

Synonyms: Lauryl gallate; Dodecyl 3,4,5-trihydroxy-benzoate;
 Gallic acid, lauryl ester

CAS No: 1166-52-5

Formula: C₁₉H₃₀O₅



F.W.: 338.44

Appearance: White to cream-colored powder, Odorless.
 Assay: 98% minimum
 Melting Point: 96 - 100 Deg. C
 Loss on drying: < 0.50%
 Free Acid (as Gallic Acid): < 0.50%
 Residue on Ignition: <0.50%
 Arsenic (As): < 3 mg/kg
 Lead (Pb): < 10 mg/kg
 Heavy metals (as Pb): < 30 mg/kg
 Sulfated Ash: < 0.05%
 Solubility: Insoluble in water, soluble in ethanol and in ether.

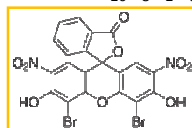
EOSIN B SPIRIT SOLUBLE

Product#19246

Synonyms: Acid Red 91; C.I. 45400

CAS No: 56360-46-4

Formula: C₂₀H₈N₂O₉Br₂



F.W.: 580.11

Appearance: Bright orange Powder
 Dye content: ~95%
 Lambda Max: 522 nm (In Methanol)
 Visual Transition Interval: pH 1.4 (none) to pH 2.4 (fluorescent pink)
 Melting Point: 275 deg. C

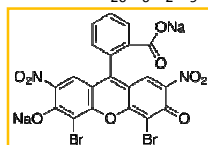
EOSIN B CERTIFIED C.I. 45400

Product#19251

Synonyms: Acid Red 91; 4',5'-Dibromo-2',7'-Dinitrofluorescein,
 Disodium Salt; Eosin Bluish; C.I. 45400

CAS No: 548-24-3

Formula: C₂₀H₆N₂O₉Br₂



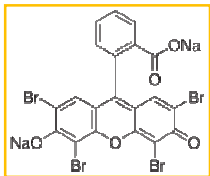
F.W.: 624.08

Appearance: Brownish-Green Powder
 Lambda max: 514 (395) nm (in Water plus 1% Na₂CO₃)
 Visual Transition Interval: pH 0.0 (colorless) to pH 2.4
 (fluorescent pink)
 Dye Content: 85 % minimum

EOSIN Y DISODIUM SALT ACS

Product#19252

Synonyms: Acid red 87
 CAS No.: 17372-87-1
 Formula: $C_{20}H_6Br_4Na_2O_5$



F.W.: 691.88

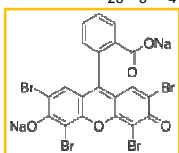
Appearance: Dark red-brown (rust) powder
 Solubility 0.1% (in water): Clear, yellow-orange to red solution
 Solubility: Soluble in water, slightly soluble in methanol and ethanol.

EOSIN Y DISODIUM SALT CERTIFIED C.I. 45380

Product#19256

Synonyms: Acid Red 87; C.I. 45380; Bronze Bromo ES;
 2'4'5'7'-tetra bromofluorescein, Disodium Salt; Bromofluorescein;
 Eosin yellowish

CAS No.: 17372-87-1
 Formula: $C_{20}H_6Br_4Na_2O_5$



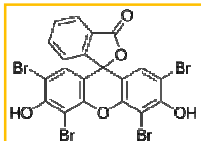
F.W.: 691.88

Appearance: Dark red-brown (rust) powder
 Solubility 0.1% (in water): Clear, yellow-orange to red solution
 Solubility: Soluble in water, slightly soluble in methanol and ethanol.
 Assay: > 88%
 Absorption Maximum: 515 - 518 nm
 Loss on drying: < 8%
 Color Index Number: 45380

EOSIN Y FREE ACID C.I. 45380:2

Product#19258

Synonyms: 2'4'5'7'-Tetrabromofluorescein; Eosin; Solvent Red 43
 CAS No: 15086-94-9
 Formula: $C_{20}H_8Br_4O_5$



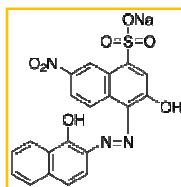
F.W.: 647.92

Appearance: Orange Powder
 Solubility: E & OH 10 mg/ml
 Lambda Max: 521 nm in Water & 1 ml 1% sodium carbonate

ERIOCHROME BLACK T ACS

Product#19300

Synonyms: 3-Hydroxy-4-[(1-hydroxy-2-naphthalenyl)azo]-7-nitro-1-naphthalenesulfonic Acid, Monosodium Salt; Mordant Black 11
 CAS No: 1787-61-7
 Formula: $C_{20}H_{12}N_3NaO_7S$



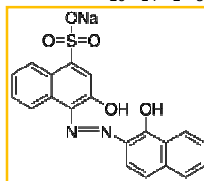
F.W.: 461.38

Appearance: Black powder
 Loss on drying: < 7%
 Lambda max. 621 nm
 Clarity of Solution: To pass test
 Suitability as Complexometric Indicator: To pass test

ERIOCHROME BLUE BLACK B

Product# 20318

Synonyms: C.I. 14640, Mordant Black 3
 CAS No.: 3564-14-5
 Formula: $C_{20}H_{14}N_2O_5S$



F.W.: 416.39

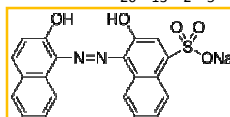
Appearance: Brown to black powder
 Lambda max.: 528nm in water + 1 ml 1N Hydrochloric Acid
 Dye content: ~40%
 Solubility (10 mg/ml, H2O): Opaque dark purple solution

ERICHROME BLUE BLACK R (C.I. 15705)

Product# 20320

Synonyms: C.I. 15705; Eriochrome Blue Black R; Mordant Black 17;
 Zinchrome R

CAS No: 2538-85-4
 Formula: $C_{20}H_{13}N_2O_5SNa$



F.W.: 416.39

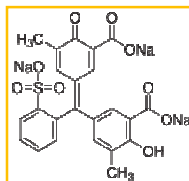
Solubility in Water: Passes Test
 Wavelength of Max Absorption (in pH9 Water): 565 nm

ERICHROME CYANINE R (C.I. 43820)

Product# 20323

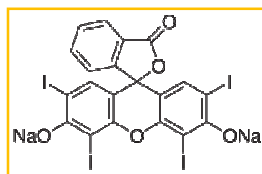
Synonyms: Mordant Blue 3; Chromoxane Cyanine R;
 Solochrome Cyanine R

CAS No: 3564-18-9
 Formula: $C_{23}H_{15}Na_3O_9S$



F.W.: 536.40

Lambda Max: 435 nm in pH 7 aqueous buffer 512 nm in methanol
 Dye content: ~ 50%
 Visual transition Interval: From pH 1.0 (yellow-orange)
 To pH 2.0 (red)
 From pH 6.0 (red) To pH 7.0 (yellow)
 From pH 11.0 (yellow) To pH 12.0 (blue)
 Solubility: 5% in water 2% in ethanol

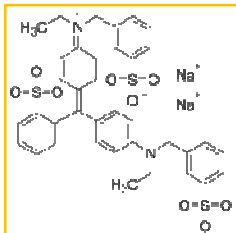


F.W.: 879.87

ERIOGLAUCINE C.I. 42090

Product# 20336

Synonyms: C.I. 42090, Brilliant Blue FCF
 CAS No.: 3844-45-9
 Formula: $C_{37}H_{34}N_2Na_2O_9S_3$



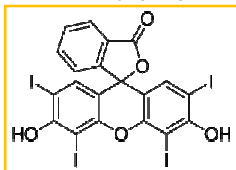
F.W.: 792.86

Appearance: Purple Powder
 Lambda Max: 625 (406) nm (in Water)
 Water-insoluble Matter: 0.20% maximum
 Subsidiary dyes: 6.00% maximum
 Heavy metals (as Pb) (mg/kg): 40.00 maximum
 Arsenic (mg/kg): 3.00 maximum
 Lead (mg/kg): 10.00 maximum
 Mercury (mg/kg): 1.00 maximum
 Cadmium (mg/kg): 1.00 maximum
 Solubility(1 mg/ml, H₂O): Clear to opaque blue to blue-black solution

ERYTHROSIN B SPIRIT SOLUBLE

Product# 20350

Synonyms: Solvent Red 140; 2,4,5,7-Tetraiodofluorescein
 CAS No.: 15905-32-5
 Formula: $C_{20}H_8I_4O_5$



F.W.: 835.90

Appearance: Red to red-orange powder
 Dye content: 95.0% minimum
 Loss on drying @ 135°C: 5.0% maximum
 Solubility (0.05%, MeOH): Clear orange solution
 Lambda max.: 533nm in methanol
 Heavy Metals (as Pb): 40 mg/kg maximum

ERYTHROSIN B CERTIFIED

Product# 20353

Synonyms: C.I. 45430; Acid Red 51; Tetraiodofluorescein sodium salt
 CAS No.: 16423-68-0
 Formula: $C_{20}H_6I_4Na_2O_5$

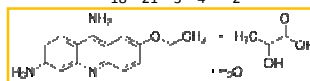
Appearance: Dark Red to maroon to brown powder
 Dye content: >80%
 Water insoluble matter: < 0.20%
 Subsidiary dyes: < 4.00%
 Tri-iodoresorcinol: < 0.20%
 Inorganic Iodides as Sodium Iodide: < 0.10%
 Solubility (10 mg/ml, H₂O): Clear, red-orange to red solution
 Spectroscopy: ~525 nm
 Visual Transition Interval: From pH 0.0 (yellow)
 To pH 3.5 (fluorescent red)

ETHACRIDINE LACTATE MONOHYDRATE

Product# 20385

Synonyms: 6,9-Acridine diamine; 2-Ethoxy-,2-Hydroxypropanote;
 Acrinol; Ethodin

CAS No.: 6402-23-9
 Formula: $C_{18}H_{21}N_3O_4 \cdot H_2O$



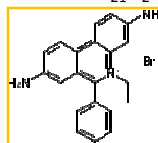
F.W.: 361.40

Appearance: Yellow powder
 Melting Point: 243 °C to 245 °C
 Assay: ~99%

ETHIDIUM BROMIDE

Product# 20420

Synonyms: Homidium Bromide; EtBr;
 3,8-Diamino-5-ethyl-6-phenylphenanthridinium bromide
 CAS No: 1239-45-8
 Formula: $C_{21}H_{20}BrN_3$



F.W.: 394.31



Appearance: Dark Red to purple crystalline powder
 Identification: Conforms to standard and structure
 Assay: > 95.0%
 Loss on drying @105 Deg.C: 5% maximum
 pH (2.0% w/v in H₂O): 4 to 7
 Melting Point: 260 – 262 Deg. C
 Solubility (10 mg + 1 ml of H₂O): Red solution

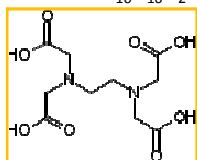
(ETHYLENEDINITRILLO)TETRAACETIC ACS (EDTA)

Product# 20430

Synonyms: Ethylenediaminetetraacetic Acid ACS;
 EDTA Free Acid; Edetic acid.

CAS No: 60-00-4

Formula: $C_{10}H_{16}N_2O_8$



F.W.: 292.25

Appearance: White to white with a faint yellow cast powder

Identification: Conforms to standard and structure

Melting Point: 220 – 240 Deg. C (with dec.)

Assay: 99.4 – 100.6%

Insoluble in dilute ammonium hydroxide: < 0.005%

Nitrilotriacetic acid: < 0.1%

Residue after Ignition: < 0.20%

Calcium (Ca): < 0.001%

Magnesium (Mg): < 5 ppm

Heavy metals (as Pb): < 0.001%

Iron (Fe): < 0.005%

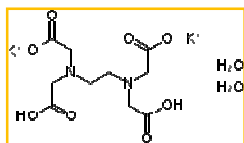
ETHYLENEDIAMINETETRAACETIC ACID DIPOTASSIUM SALT 2HY

Product# 20439

Synonyms: EDTA Dipotassium Salt Dihydrate;
(Ethylenedinitrilo)tetraacetic acid dipotassium salt, dihydrate

CAS No: 25102-12-9

Formula: $C_{10}H_{14}K_2N_2O_8 \cdot 2H_2O$



F.W.: 404.45

Appearance: White powder

Assay: > 98%

Melting Point: 255 – 280 Deg. C

Loss on drying: < 10%

Potassium (anhydrous basis): 17.0 – 25.5%

Sodium (Na): < 0.25%

Solubility: Clear to very slightly hazy colorless to faint yellow solution at 32 g plus 200 ml of 3M Potassium Hydroxide.

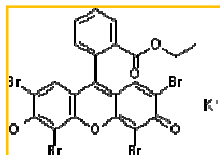
ETHYL EOSIN CERTIFIED

Product# 20455

Synonyms: Solvent Red 45; 2',4',5',7'-Tetrabromoeosin ethyl ester potassium salt ; C.I. No.: 45386

CAS No.: 6359-05-3

Formula: $C_{22}H_{11}Br_4KO_5$



F.W.: 714.07

Appearance: Dark-red powder

Lambda max.: 532nm in 50% ethanol

Loss on drying(at 105 Deg. C): 5% maximum

Solubility (1 mg/ml 95% ETOH): Clear pink-orange solution

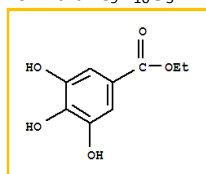
ETHYL GALLATE

Product# 20470

Synonyms: 3,4,5-Trihydroxybenzoic acid ethyl ester; Ethyl 3,4,5-trihydroxybenzoate; Gallic acid ethyl ester

CAS No: 831-61-8

Formula: $C_9H_{10}O_5$



F.W.: 198.17

Appearance: White to Slightly Beige fine powder

Melting Point: 149-153°C

Solubility: Soluble in water

Flash Point: 185 °C

Boiling Point: 447.3°C at 760 mmHg

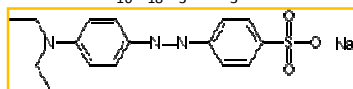
ETHYL ORANGE SODIUM SALT

Product# 20507

Synonyms: 4-(4-Diethylaminophenylazo)benzene-sulfonic acid, sodium salt

CAS No: 62758-12-7

Formula: $C_{16}H_{18}N_3NaO_3S$



F.W.: 355.39

Appearance: Orange Powder

Loss on drying (110°C/1hr): Report

Lambda Max: 475.0 nm (in water)

Visual Transition Interval: From pH 3.4 (rose-red)

To pH 4.8 (yellow)

Solubility 0.1% (water): Clear orange solution

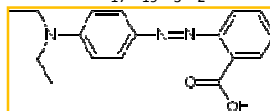
ETHYL RED

Product# 20582

Synonyms: 2-(4-Diethylaminophenylazo)benzoic acid

CAS No: 76058-33-8

Formula: $C_{17}H_{19}N_3O_2$



F.W.: 297.36

Appearance: Dark red to maroon powder

Identification (IR): To conform to structure

Melting Point: ~135 Deg. C (dec.)

Visual Transition Interval: From pH 4.5 (red) To pH 6.5 (yellow)

Solubility (1 mg/ml H2O): Clear, dark red solution

Residue on Ignition: 0.2% maximum

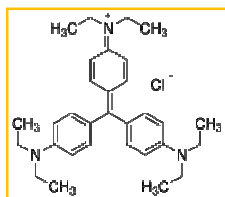
ETHYL VIOLET C.I. 42600

Product# 20602

Synonyms: C.I. 42600; Basic Violet 4

CAS No: 2390-59-2

Formula: $C_{31}H_{42}N_3Cl$



F. W.: 492.15

Appearance: Olive-Green Powder
 Visual Transition Interval: pH 0.0 (yellow) to pH 3.6 (blue)
 Solubility: Slightly soluble in water Soluble in methanol & ethanol.
 Dye content: 80% minimum
 Insolubles: 1.0% maximum
 Moisture: 4% maximum

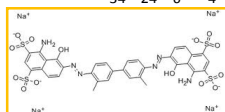
EVANS BLUE C.I. 23860

Product# 20700

Synonyms: C.I. 23860; Direct Blue 53

CAS No: 314-13-6

Formula: $C_{34}H_{24}N_6Na_4O_{14}S_4$



F.W.: 960.82

Appearance: Dark brown to black to brownish-red to purple
 crystalline powder

Loss on drying (110°C/1hr): < 10%

Solubility (0.1% H₂O): Clear blue solution

Assay on absorptivity bases: >85%

Absorptivity 1%/1cm At Lambda Max 608 nm: >650

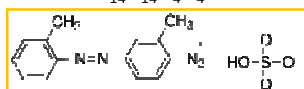
FAST GARNET GBC SALT

Product# 21020

Synonyms: Azoic Diazo No. 4; C.I. 37210

CAS No.: 101-89-3

Formula: $C_{14}H_{14}N_4O_4S$



F.W.: 334.35

Appearance: Dark orange to reddish-brown powder
 Lambda max.: 360nm in water
 Dye content: ~75%
 Solubility (5 mg/ml in H₂O): Clear, orange to brown solution

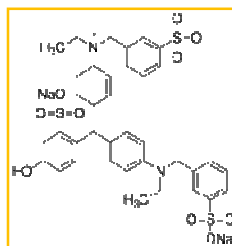
FAST GREEN F.C.F CERTIFIED C.I. 42053

Product# 21102

Synonyms: Food green 3; Aizen Food Green No. 3; C.I. 42053;
 FD&C Green No. 3; Solid Green FCF; 1724 Green

CAS No: 2353-45-9

Formula: $C_{37}H_{34}N_2O_{10}S_3Na_2$



F.W.: 808.86

Appearance: Red to brown Powder
 Identification: To pass test
 Spectroscopy(in 50% aqueous ethanol): Lambda max.622 + 3 nm
 Water-insoluble matter: 0.20% maximum
 Lead (Pb): 10 mg/kg maximum
 Solubility 1 mg/ml in H₂O: Dark blue-green solution

FAST VIOLET B SALT

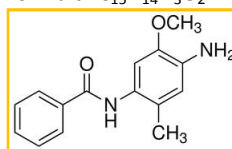
Product# 21120

Synonyms: 4-Benzoylamino-2-methoxy-5-methylbenzeneamine
 Azoic Diazo No. 41

CAS No.: 99-21-8

Appearance: Yellow Crystalline Powder

Formula: $C_{15}H_{14}N_2O_2.BF_4$



F.W.: 355.10

Assay (ex. N): 90.0% Minimum
 Loss on drying: 1.0% Maximum

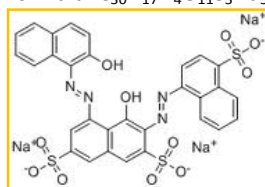
FAST SULPHON BLACK F

Product# 21140

Synonyms: Acid Black 32; C.I. 26990

CAS No.: 3682-47-1

Formula: $C_{30}H_{17}N_4O_{11}S_3Na_3$



F.W.: 774.6

Appearance: Black powder
 Purity (TLC): 95.0% minimum
 Application: Suitable as an indicator for EDTA titration.
 Solubility: Dark green solution at 4 mg plus 4.0 ml Of water

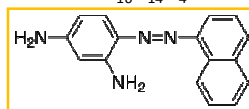
FAT BROWN RR

Product# 21171

Synonyms: Solvent Brown 1; C.I. 11285

CAS No.: 6416-57-5

Formula: $C_{16}H_{14}N_4$



F.W.: 262.31

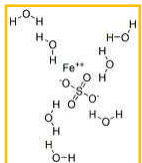
Appearance: Red to rusty brown powder
 Dye content: 95% minimum
 Melting Point: 147 – 157 Deg. C
 Loss on drying: 0.5% maximum
 Residue on Ignition: 0.5% maximum
 Insoluble in Toluene: 1.0% maximum
 Chloride (Cl): 0.1% maximum
 Solubility(1 mg/ml Chloroform): Clear to slightly hazy, Orange to dark red to dark red-brown solution

FERROUS SULFATE HEPTAHYDRATE ACS Product# 22220

Synonyms: Greenvitrol; Ferrous Sulfate Heptahydrate;
 Iron protosulfate

CAS No: 7782-63-0

Formula: $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$



F.W.: 278.01

Appearance: Blue-green crystals
 Assay: $\geq 99\%$
 Melting Point: ~ 65 Deg. C
 Insoluble matter: 0.01 % maximum
 Chloride (Cl): 0.001 % maximum
 Phosphate (PO4): 0.001% maximum
 Calcium (Ca): 0.005% maximum
 Copper (Cu): 0.005 % maximum
 Magnesium (Mg): 0.002% maximum
 Manganese(Mn): 0.05 % maximum
 Potassium (K): 0.002% maximum
 Sodium (Na): 0.02% maximum
 Zinc (Zn): 0.005 % maximum
 Ferric Ion (Fe3+): 0.1 % maximum
 Aqueous solubility: 48.6 g in 100 ml at 50 Deg. C

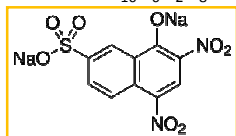
FLAVIANIC ACID HYDRATE

Product# 22236

Synonyms: 8-Hydroxy-5,7-dinitro-2-naphthalene-sulfonic acid,
 Naphthol Yellow S

CAS No.: 483-84-1

Formula: $\text{C}_{10}\text{H}_6\text{N}_2\text{O}_8\text{S} \cdot x\text{H}_2\text{O}$



F.W.: 314.23 (anhydrous basis)

Appearance: Yellow powder or crystalline powder
 Assay(titration with NaOH): 96.5% - 103.5% (anhydrous basis)
 Melting Point: 148 Deg. C - 151 Deg. C
 Loss on drying: $< 15.0\%$
 Solubility(0.1% in H2O): Clear to slightly hazy, yellow to yellow-orange solution

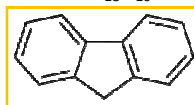
FLUORENE 99%

Product# 22252

Synonyms: 9H-Fluorene; O-Biphenylenemethane; o-Biphenylmethane;
 Di-Phenylenemethane; 2,2'Methylenebiphenyl

CAS No: 86-73-7

Formula: $\text{C}_{13}\text{H}_{10}$



F.W.: 166.22

Appearance: White to off-white crystalline powder
 Assay: $\geq 99\%$
 Melting Point: 114 - 117 deg. C
 Boiling Point: 298 / 760 deg. C
 Loss on drying: $\leq 0.50\%$

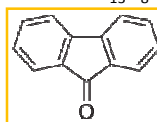
9-FLUORENONE

Product# 22272

Synonyms: Fluoren-9-one-9-fluorenone

CAS No: 486-25-9

Formula: $\text{C}_{13}\text{H}_8\text{O}$



F.W.: 180.21

Appearance: Yellow chips, crystals or powder And/or chunks
 Identification: To pass test
 Assay (HPLC): 97.5 % minimum
 Melting Point: 81 - 85 deg. C
 Boiling Point: 342 / 760

FLUORESCCEIN USP C.I. 45330:1

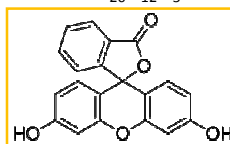
Product# 23509

Synonyms: Benzoic Acid, Hydroxy-3-oxo-3H-xanthen-9-yl)-;
 (Carboxyphenyl)-6-hydroxy-3-isoxanthenone; 9-(o-Carboxyphenyl)-6-
 hydroxy-3H-xanthen-3-one; C.I. solvent yellow 94; 3'6'

Dihydroxyfluoran; Dihydroxyfluorane; 3,6-Fluorandiol

CAS No: 2321-07-5

Formula: $\text{C}_{20}\text{H}_{12}\text{O}_5$



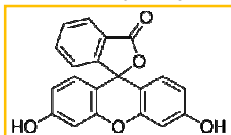
F.W.: 332.31

Appearance: Yellow to yellow-red to dark orange powder
 Assay (Anhydrous Basis): 97 - 102 %
 Absortivity, 1%/1cm at Lambda max 490nm: 2200-2500
 Water: 1.0 %
 Zinc: To pass test
 Acriflavine: To pass test
 Solubility 0.1%(0.1N NaOH): Clear yellow solution with greenish fluorescence

FLUORESC EIN FREE ACID C.I. 45330:1

Product# 23512

Synonyms: Benzoic Acid, Hydroxy-3-oxo-3H-xanthen-9-yl)-; (Carboxyphenyl)-6-hydroxy-3-isoxanthenone; 9-(o-Carboxyphenyl)-6-hydroxy-3H-xanthen-3-one; C.I. solvent yellow 94; 3'6' Dihydroxyfluoran; Dihydroxyfluorane; 3,6-Fluorandiol;
CAS No: 2321-07-5
Formula: $C_{20}H_{12}O_5$



F.W.: 332.31

Appearance: Yellow to yellow-red to dark orange powder
Assay (Anhydrous Basis): 97 - 102 %
Absortivity, 1%/1cm at Lambda max 490nm: 2200-2500
Water: 1.0 %
Zinc: To pass test
Acriflavine: To pass test
Solubility 0.1%(0.1N NaOH): Clear yellow solution with greenish fluorescence

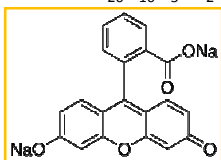
FLUORESC EIN WATER SOLUBLE C.I. 45350:1

Product# 23517

Synonyms: C.I. Acid Yellow 73; D&C Yellow No. 8; Fluorescein Sodium

CAS No: 518-47-8

Formula: $C_{20}H_{10}O_5Na_2$



F.W.: 376.28

Appearance: Dark brownish-red to dark orange red powder
Identification: To pass tests
Assay: 90.0% - 102.0%
Loss on drying at 135 °C/1hr: 17% maximum
Solubility 1mg/ml in H2O: Clear to slightly hazy dark yellow to brownish Yellow solution with greenish fluorescence.
Lambda Max: 491 nm in Water

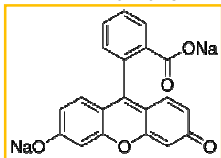
FLUORESC EIN SODIUM USP C.I. 45350

Product# 23521

Synonyms: C.I. Acid Yellow 73; D&C Yellow No. 8; Fluorescein W/S

CAS No: 518-47-8

Formula: $C_{20}H_{10}O_5Na_2$



F.W.: 376.28

Appearance: Dark brownish-red to dark orange red powder
Identification: To pass tests
Assay: 90.0% - 102.0%
Loss on drying at 135 °C/1hr: 17% maximum
Solubility 1mg/ml in H2O: Clear to slightly hazy dark yellow to

brownish Yellow solution with greenish fluorescence.
Lambda Max: 491 nm in Water

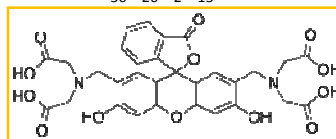
FLUOREXON / CALCEIN

Product# 23701

Synonyms: Bis[N,N-bis(carboxymethyl)aminomethyl]fluorescein; Calcein; Fluorescein complexone; Fluoresceing-methylene-immodiacetic acid

CAS No: 1461-15-0

Formula: $C_{30}H_{26}N_2O_{13}$



F.W.: 622.55

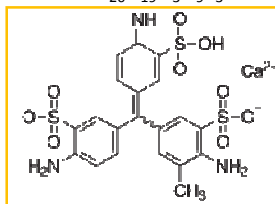
Lambda Max: 499 nm (in NaOH)
Appearance: Orange to orange-yellow powder

FUCHSIN ACID CALCIUM SALT CERTIFIED Product# 24494

Synonyms: Acid fuchsin calcium salt

CAS No: 123334-10-1

Formula: $C_{20}H_{19}N_3O_9S_3$



F.W.: 579.65

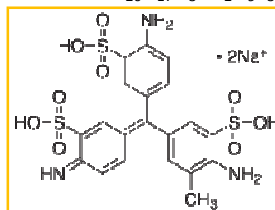
Appearance: Green Crystalline Powder
Dye Content: 65.0% minimum
Lambda max.: 545nm in water +2.5ml 0.1N HCl
Melting Point: 300 °C
Solubility in water: Violet colored clear solution

FUCHSIN ACID SODIUM SALT CERTIFIED Product# 24501

Synonyms: Acid Magenta; Acid Violet 19; C.I. 42685

CAS No: 3244-88-0

Formula: $C_{20}H_{17}N_3Na_2O_9S_3$



F.W.: 585.55

Appearance: Dark-green crystalline powder
Dye Content: 65.0% minimum
Lambda max.: 546nm in water +2.5ml 0.1N HCl
Solubility: 10 - 12.5% in water
0.1 - 0.3% in ethanol Insoluble in xylene.
Visual Transition Interval: From pH 12.0 (red) To pH 14.0 (colorless)

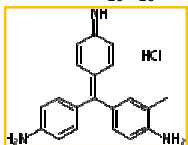
FUCHSIN BASIC CERTIFIED

Product# 24523

Synonyms: Basic Violet 14; C.I. 42510

CAS No: 632-99-5

Formula: $C_{20}H_{20}ClN_3$



F.W.: 337.85

Appearance: Dark-Green Crystalline Powder

Identification: To pass tests

Loss on Drying @110 °C/1hr: 10 % maximum

Dye Content: 88 % minimum

Spectroscopy: 549 nm in 50 % Ethanol

Solubility 0.1% in 50% EtOH: Clear solution

Melting Point: 250 Deg. C (dec.)

Visual Transition Interval: From pH 1.0 (purple) to pH 3.1 (red)

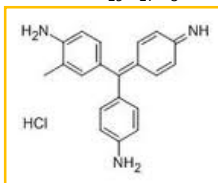
FUCHSIN BASIC Special (for flagella)

Product# 24528

Synonyms: C.I. 42510

CAS No: 58969-01-0

Formula: $C_{19}H_{17}N_3 \cdot HCl$



F.W.: 323.82

Appearance: Green crystalline powder

Absorption Max: 546 nm in 50 % Ethanol

Solubility(1 mg/ml, H₂O): Clear to opaque, pink to dark red solution

Dye Content: 90 % minimum

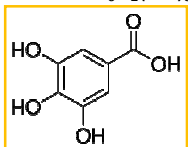
GALLIC ACID ANHYDROUS ACS

Product# 25799

Synonyms: 3,4,5-Trihydroxybenzoic acid

CAS No: 149-91-7

Formula: $C_6H_2(OH)_3COOH$



F.W.: 170.12

Appearance: White crystalline powder

Assay: 98 % minimum

Insoluble matter: 0.01 % maximum

Loss on drying @105°C: 0.5% maximum

Residue after ignition: 0.05 % maximum

Sulfate (SO₄): 0.02 % maximum

Solubility(50 mg/ml in Ethanol): Clear to very slightly yellow solution

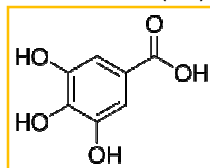
GALLIC ACID MONOHYDRATE ACS

Product# 25801

Synonyms: 3,4,5-Trihydroxybenzoic acid, 1HY; Gallic acid, 1HY

CAS No.: 5995-86-8

Formula: $C_6H_2(OH)_3COOH \cdot H_2O$



F.W.: 188.14

Appearance: White to light tan crystalline powder

Assay: 98% Minimum

Insoluble matter: 0.01% Maximum

Loss on drying@105°C: 10% Maximum

Residue on ignition: 0.05% Maximum

Sulfate (SO₄): 0.02% Maximum

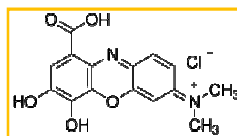
GALLOCYANINE

Product# 25850

Synonyms: Mordant Blue 10; C.I. 51030; Fast Violet; Brilliant Chrome Blue P; Alizarine Navy Blue

CAS No.: 1562-85-2

Formula: $C_{15}H_{13}ClN_2O_5$



F.W.: 336.73

Appearance: Black powder

Dye content: ~90.0%

Lambda max.: 620nm in ethanol

Solubility (10 mg/ml, 1N NH₄OH): Opaque dark purple solution

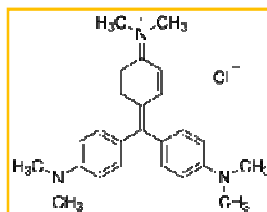
GENTIAN VIOLET (C.I. 42555)

Product# 26111

Synonyms: Crystal violet; C.I. 42555; Basic Violet 3

CAS No: 548-62-9

Formula: $C_{25}H_{30}ClN_3$



F.W.: 407.99

Appearance: Dark Green Crystals/Powder

Assay (on anhydrous Basis): 96.0% - 100.5 %

Identification A,B,C: To pass tests

Water: <7.5 %

Residue on Ignition: <1.5 %

Alcohol-Insoluble Substances: 1.0 % maximum

Arsenic (As): 0.001 % maximum

Lead (Pb): 0.003 % maximum

Zinc (Zn): 0.050 % maximum

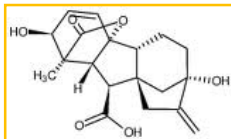
Chromatographic Purity: To pass test

GIBBERELIC ACID:

Product# 26150

Synonyms: Gibberellin A3

CAS No: 77-06-5
Formula: $C_{19}H_{22}O_6$



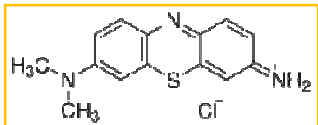
F.W.: 346.37

Appearance: White to Off-White Powder
Solubility: Clear, Colorless to faint yellow solution at 200 mg plus 4 ml ethanol
Melting Point: 233-235°C
Purity by HPLC: ≥ 90%
IR Spectrum: Consistent with structure.
Plant cell culture test: To Pass Test

GIEMSA STAIN CERTIFIED

Product# 26201

Synonyms: None known
CAS No.: 51811-82-6

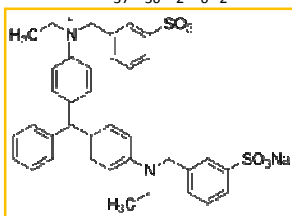


Appearance: Dark green to black powder
Solubility 0.1% (MeOH): Dark blue, dark purple or maroon solution
Melting Point: 300 °C
Absorptivity 1% /1cm At Lambda max. 524.0 nm: >600
At Lambda max. 651.0 nm: >950
Loss on drying At 110 Deg. C/1hour: 10.0% maximum
Staining Tests To pass Biological Stain Commission's Tests

GUINEA GREEN B (C.I.42085)

Product# 26350

Synonyms: Acid Green 3
CAS No: 4680-78-8
Formula: $C_{37}H_{36}N_2O_6S_2$



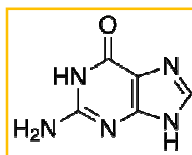
F.W.: 690.82

Appearance: Dark Green to Dark Purple Powder
Lambda Max: 618 - 620 nm
Solubility: 1 % in H₂O; Dark Blue to Dark Blue-Green Solution

GUANINE

Product# 26752

Synonyms: 2-Amino-1,7-dihydroxy-6H-purin-6-one; 2-Aminohypoxanthine; Guanine; Guanineenol; 2-Amino-6-Hydroxypurine; 2-Amino-6-purino; C.I. 75170
CAS No: 73-40-5
Formula: $C_5H_5N_5O$



F.W.: 151.11

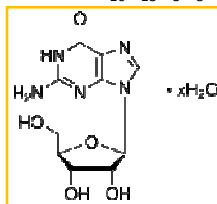
Appearance: White to cream crystalline powder
Assay (HPLC): 99 % - 101 %
Melting Point: 300 deg. C minimum
Residue after Ignition: < 0.1 %
Loss on drying: < 0.5 %
Heavy metals: 10 ppm maximum

GUANOSINE

Product# 26802

Synonyms: 2-Amino-9-Beta-D-Ribofuranosyl-9H-Purine-6-(1H)-One; Guanine Riboside; Inosine; 2-Amino -;Ribofuranoside, Guanine-9, Beta-D; 9-Beta-D-Ribofuranosylguanine

CAS No.: 118-00-3
Formula: $C_{10}H_{13}N_5O_5$



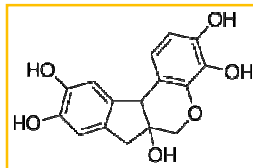
F.W.: 283.24

Appearance: White to Light Yellow powder
Assay (UV): 97.0% - 103.0%
Loss on drying: < 5.0 %
Residue on Ignition: <0.2%
Heavy metals (as Pb): <0.001%
Arsenic (As): <0.0001%
Melting Point: 230 Deg. C. minimum
Ratio (A250/A260): <1.30
(A280/A260) <0.69
Solubility at 50 mg/ml in Formic Acid: Water (1:1): Clear to very slightly hazy Colorless to faint yellow solution

HEMATOXYLIN CERTIFIED

Product# 30123

Synonyms: Natural Black 1; C.I. 75290
C.A.S.: 517-28-2
Formula: $C_{16}H_{14}O_6$



F.W.: 302.29

Appearance: Beige to tan powder
Assay: 80% Minimum
Hematein content: 0.1% maximum
Loss on drying: 6% maximum
Suitable as Biological Stain: Pass test by Biological Stain Commission

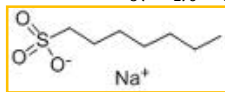
1-HEPTANESULFONIC ACID SODIUM SALT ANHYDROUS HPLC

Product# 30150

Synonyms: 1-Heptanesulfonic acid sodium salt

CAS No.: 22767-50-6

Formula: $\text{CH}_3(\text{CH}_2)_6\text{SO}_3\text{Na}$



F.W.: 202.27

Appearance: Fine white crystalline powder

Assay: 99 % minimum

Water: 2.0 % maximum

Maximum Absorbancy (UV 0.25M Solution):

200 nm < 0.300 A.U.

210 nm < 0.100 A.U.

220 nm < 0.075 A.U.

230 nm < 0.050 A.U.

240 nm < 0.040 A.U.

250 nm < 0.030 A.U.

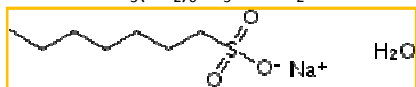
1-HEPTANESULFONIC ACID SODIUM SALT MONOHYDRATE HPLC

Product# 30150

Synonyms: 1-Heptanesulfonic acid sodium salt monohydrate

CAS No.: 207300-90-1

Formula: $\text{CH}_3(\text{CH}_2)_6\text{SO}_3\text{Na} \cdot \text{H}_2\text{O}$



F.W.: 220.27

Appearance: Fine white crystalline powder

Assay: 99% minimum

Solubility (10% aq.): Clear & colorless

Solubility (0.4% methanol): Clear

Water content: 7 - 9%

Maximum Absorbancy:(U.V. 0.25M Solution)

200 nm: <0.300 AU

210 nm: < 0.100 AU

220 nm: < 0.075 AU

230 nm: < 0.050 AU

240 nm: < 0.040 AU

250 nm: < 0.030 AU

Halides: 100 ppm Maximum

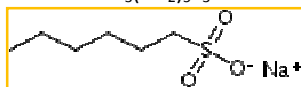
1-HEXANESULFONIC ACID SODIUM SALT ANHYDROUS HPLC

Product# 30180

Synonyms: Sodium 1-Hexanesulfonate; Sodium hexylsulfonate

CAS No.: 2832-45-3

Formula: $\text{CH}_3(\text{CH}_2)_5\text{SO}_3\text{Na}$



F.W.: 188.22

Appearance: Fine white crystalline powder

Assay: 98% minimum

Loss on drying: < 2.0%

Maximum Absorbency (UV 0.25 M aq. Solution):

200 nm: <0.100 A.U.

210 nm: <0.050 A.U.

1-HEXANESULFONIC ACID SODIUM SALT MONOHYDRATE HPLC

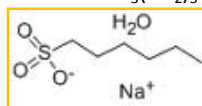
Product# 30184

Synonyms: Sodium 1-Hexanesulfonate, monohydrate;

Sodium hexylsulfonate

CAS No.: 207300-91-2

Formula: $\text{CH}_3(\text{CH}_2)_5\text{SO}_3\text{Na} \cdot \text{H}_2\text{O}$



F.W.: 206.23

Appearance: Fine white crystalline powder

Assay: 98% minimum

Loss on drying: 7 - 9%

Solubility (10% aq. Sol.): Clear, colorless solution

Maximum Absorbancy (UV 0.25M Solution)

200 nm: <0.300 A.U.

210 nm: <0.100 A.U.

220 nm: <0.075 A.U.

230 nm: <0.050 A.U.

240 nm: <0.040 A.U.

250 nm: <0.030 A.U.

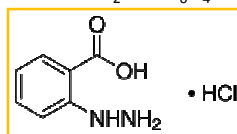
2-HYDRAZINO BENZOIC ACID HCL 98%

Product# 31177

Synonyms: 2-Hydrazinebenzoic Acid HCl

CAS No.: 52356-01-1

Formula: $\text{H}_2\text{NNHC}_6\text{H}_4\text{CO}_2\text{H} \cdot \text{HCl}$



F.W.: 188.61

Appearance: White to Tan; Powder to Crystals

Titration: 97.5% - 102.5% (by AgNO_3)

Melting Point: 185° C

4-HYDRAZINO BENZOIC ACID BASE

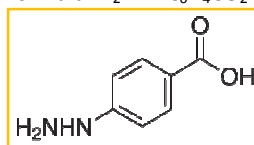
Product# 31180

Synonyms: p-Carboxyphenylhydrazine; (4-

Carboxyphenyl)Hydrazine; p-Hydrazinobenzoic acid

CAS No: 619-67-0

Formula: $\text{H}_2\text{NNHC}_6\text{H}_4\text{CO}_2\text{H}$



F.W.: 152.15

Appearance: Pale Pink, fine powder

Assay: 97.0 % minimum

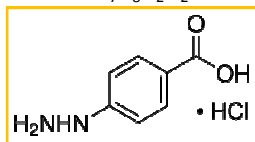
Melting Point: 216 - 218 deg. C
Loss on Drying: 1.0 % maximum

4-HYDRAZINO BENZOIC ACID HCL Product# 31182

Synonyms: p-Carboxyphenylhydrazine; (4-Carboxyphenyl) Hydrazine Hydrochloride; p-Hydrazinobenzoic acid Hydrochloride

CAS No: 24589-77-3

Formula: $C_7H_8N_2O_2 \cdot HCl$



F. W.: 188.61

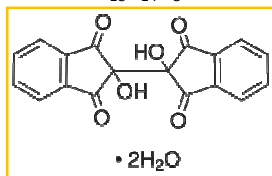
Appearance: Off-white to pale pink fine powder
Assay (Titration): 97.0 % minimum
Loss on Drying: 1.0 % maximum
U.V. Analysis(Lambda max. in methanol): 264nm, Egm = 72.1
Solubility(1% in methanol): Clear to almost clear, light yellow to pale brown color, few insolubles.

HYDRINDANTIN DIHYDRATE Product# 31251

Synonyms: 2,2',3,3',3',3'-Hexahydroxy-2,2'-biindan-1,1'-dione

CAS No: 5950-69-6

Formula: $C_{18}H_{14}O_8$



F. W.: 358.29

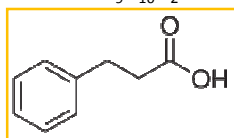
Appearance: Light beige to beige-pink powder
Identification: To pass test
Assay (HPLC): > 97%
Melting Point: 239 – 244 Deg. C
Loss on drying: 9.5 – 11.5%

HYDROCINNAMIC ACID 99% Product# 31402

Synonyms: 3-Phenylpropionic Acid; Benzylacetic Acid

CAS No.: 501-52-0

Formula: $C_9H_{10}O_2$



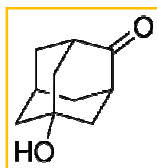
F.W.: 150.18

Appearance: White to off-white powder or crystals And/or chunks
Assay (on dry weight basis): 99.0% Minimum
Melting Point: 45 - 50 Deg. C
Water content: 1.00% maximum
Boiling Point: 279 - 281 Deg. C
Solubility (50mg/ml, ethanol): Clear colorless to faint yellow solution

5-HYDROXY-2-ADAMANTANONE 98% Product# 31601

Synonyms: 1-Hydroxyadamantane-4-one

CAS Number: 20098-14-0



F.W.: 166.22

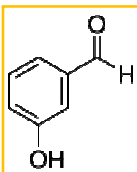
Appearance (Color): White to Off-White Solid, Powder or Crystals
Infrared spectrum: Conforms to Structure
Proton NMR spectrum: Conforms to Structure
Purity (GC): ≥97.5 %

3-HYDROXYBENZALDEHYDE Product# 31702

Synonyms: Benzaldehyde, n-Hydroxy

CAS No: 100-83-4

Formula: $C_7H_6O_2$



F.W.: 122.12

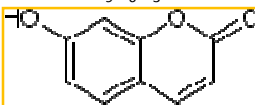
Appearance: White to off-white crystalline powder
Assay : 97.0% minimum
Identification: To Pass Test
Melting Point: 101-105 Deg. C
Boiling Point: 191 Deg. C/50 mm Hg
Water: 0.5% maximum

7-HYDROXYCOUMARIN Product# 32031

Synonyms: Umbelliferone

CAS No.: 93-35-6

Formula: $C_9H_6O_3$



F.W.: 162.15

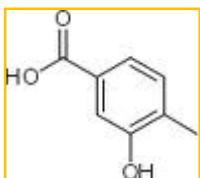
Appearance: Off-White to light tan powder
Identification: To pass test
Assay (HPLC): 99.0 % minimum
Melting Range: 223 - 234 deg. C
Solubility(50 mg/ml, 95% EtOH): Clear yellow solution

3-HYDROXY-4-METHYLBENZOIC ACID 98% Product# 32050

Synonyms: 3,4-Cresotic acid; 3-Hydroxy-p-toluic acid

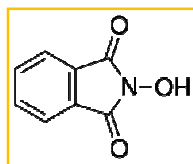
CAS No.: 586-30-1

Formula: $C_8H_8O_3$



F.W.: 152.15

Appearance: White crystalline powder
 Assay: 98.0% minimum
 Melting Point: 207 - 212 Deg. C
 Moisture: 0.5% maximum
 Ash: 0.5% maximum



F.W.: 163.13

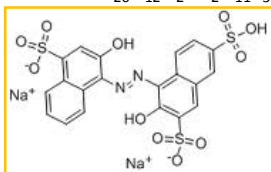
Appearance: White to off-white crystalline powder
 Identification (I.R.): Conforms
 Assay (titration): 98.0% Minimum
 Melting Point: 233 - 235 Deg. C
 Loss on drying: 1.0% maximum
 TLC: Single one spot

HYDROXY NAPHTHOL BLUE ACS

Product# 32091

Synonyms: 1-(2-Naphtholazo-3,6-disulfonic acid)-2-naphthol-4-sulfonic Acid, Disodium Salt

CAS No: 165660-27-5

Formula: $C_{20}H_{12}N_2Na_2O_{11}S_3$ 

F.W.: 598.50

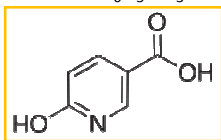
Appearance: Dark-blue crystals
 Solubility 0.1% (dist. Water): Clear wine red solution
 Loss on drying: <6%
 Absorptivity (1%/1cm(in ammonia Buffer pH 12.0 + 2 ml 0.05 M.E.T.D.A.) At Lambda max. 648.0nm: 350 - 500
 Suitability for calcium determination: To Pass Test

6-HYDROXYNICOTINIC ACID

Product# 32100

Synonyms: 2-Hydroxy-5-Pyridinecarboxylic Acid

CAS No: 5006-66-6

Formula: $C_6H_5NO_3$ 

F.W.: 139.11

Appearance: White to light yellow crystalline powder
 Assay: 98% minimum
 Identification: To Pass Test
 Melting Point: >300 Deg. C
 Solubility (25mg/0.5ml 1N NH₄OH): Clear, light yellow solution

N-HYDROXYPHTHALIMIDE 98%

Product# 32103

Synonyms: Phthaloxime

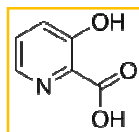
CAS No.: 524-38-9

Formula: $C_8H_5NO_3$ **3-HYDROXPICOLINIC ACID, 98%**

Product# 32110

Synonyms: 3-Hydroxy-2-Pyridicarboxylic Acid, 98%

CAS No: 874-24-8

Formula: $C_6H_5NO_3$ 

F.W.: 139.11

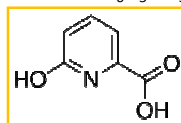
Appearance: Tan to brown crystalline powder
 Assay (HPLC): 98.0% minimum
 Assay (titration) (NaOH 0.1N): 98.0% minimum
 Melting Point: 216 - 221 deg. C
 Solubility (0.25 g in 10 ml H₂O): Clear, faintly yellow solution
 Moisture: 0.5% maximum

6-HYDROXPICOLINIC ACID, 97%

Product# 32112

Synonyms: 6-Hydroxy-2-Pyridinecarboxylic Acid

CAS No: 19621-92-2

Formula: $C_6H_5NO_3$ 

F.W.: 139.11

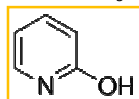
Appearance: Brown crystalline powder
 Identification: Conforms to structure
 Assay (HPLC): 97.0% minimum
 Assay (Titration): 97.0 minimum
 Melting Point: 270 deg. C

2-HYDROXPYRIDINE

Product# 32119

Synonyms: 2 (1H)-Pyridone, 2-Pyridinol

CAS No: 142-08-5

Formula: C_5H_5NO 

F.W.: 95.10

Appearance: Off-white to pale yellow crystalline powder
 Assay: 98.0 % minimum

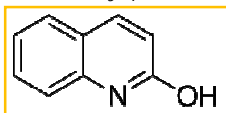
Melting Point: 102-109 Deg. C
 Boiling Point: 280-281 Deg. C / 760 mm Hg (lit.)
 Moisture: 0.5% maximum
 Solubility (50mg/ml(H₂O): Clear to very slightly hazy, light Brown solution. Clear in 5% aqueous solution

Chloride (Cl): 50 ppm maximum
 Aluminum (Al): 1000 ppb maximum
 Calcium (Ca): 1000 ppb maximum
 Chromium (Cr): 500 ppb maximum
 Cobalt (Co): 500 ppb maximum
 Copper (Cu): 500 ppb maximum
 Gold (Au): 500 ppb maximum
 Iron (Fe): 1000 ppb maximum
 Lead (Pb): 1500 ppb maximum
 Magnesium (Mg): 500 ppb maximum
 Nickel (Ni): 500 ppb maximum
 Potassium (K): 500 ppb maximum
 Silicon (Si): 4000 ppb maximum
 Sodium (Na): 1000 ppb maximum
 Tin (Sn): 500 ppb maximum
 Titanium (Ti): 500 ppb maximum
 Zinc (Zn): 500 ppb maximum

2-HYDROXYQUINOLINE

Product# 32129

Synonyms: Carbostryl; 2-Quinolinol
 CAS No: 59-31-4
 Formula: C₉H₇NO



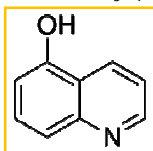
F.W.: 145.16

Appearance: Off-white to light brown crystalline powder
 Assay: 98 % minimum
 Melting Point: 196-199 Deg. C
 Residue on Ignition: <0.5%
 Heavy Metals: <30 ppm

5-HYDROXYQUINOLINE

Product# 32132

Synonyms: 5-Quinolinol 99%
 CAS No.: 578-67-6
 Formula: C₉H₇NO



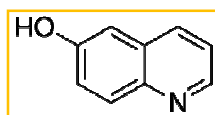
F.W.: 145.16

Appearance: White to Yellow to Brown Powder or Crystals
 Titration: 98.5% - 101.5% (with HCL04)
 Melting Point: 223° C to 226° C

6-HYDROXYQUINOLINE

Product# 32134

Synonyms: 6-Quinolinol
 CAS No: 580-16-5
 Formula: C₉H₇NO



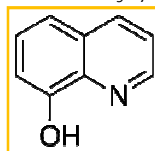
F.W.: 145.16

Appearance: Beige to gray brown powder. Characteristic odor.
 Assay: 98.0% minimum
 Melting Point: 190 - 195 Deg. C
 Moisture content: 0.50% maximum

8-HYDROXYQUINOLINE ACS

Product# 32141

Synonyms: Hydroxybenzopyridine; 8-Quinolinol; Phenopyridine
 CAS No: 148-24-3
 Formula: C₉H₇NO



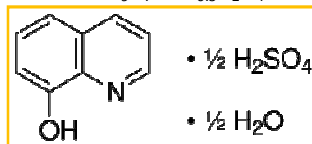
F.W.: 145.16

Appearance: Fine, white to pale yellow crystalline Powder.
 Characteristic odor.
 Assay: 99.5% minimum
 Melting Point: 72.5 – 74 deg. C
 Suitability for Magnesium Determination: To Pass Test
 Insoluble in Alcohol: 0.05 % maximum
 Residue after ignition: 0.05 % maximum
 Sulfate (SO₄): 0.02 % maximum

8-HYDROXYQUINOLINE SULFATE

Product# 32146

Synonyms: 8-Quinolinol Sulfate Monohydrate
 CAS No.: 207386-91-2
 Formula: C₉H₇NO · 0.5H₂O₄S



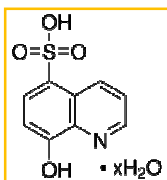
F.W.: 203.20

Appearance: Yellow to Dark Yellow Green Powder
 Titration: 97.5% - 102.5%
 Melting Point: 176° C to 179° C
 Solubility: 100 mg/ml H₂O; Clear to Slightly Hazy, Yellow to Yellow-Orange Solution

8-HYDROXYQUINOLINE-5-SULFONIC ACID 1HY

Product# 32171

Synonyms: 5-Sulfo-8-Hydroxyquinoline
 CAS No: 84-88-8 (anhydrous form)
 Formula: C₉H₇NO₄S·H₂O



F.W.: 243.24

Appearance: Off-white to yellow crystalline powder

Assay: $\geq 98.5\%$ Melting Point: > 300 Deg. C

Loss on drying: 4 % - 5%

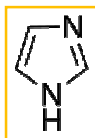
Residue after ignition: $< 0.2\%$ **IMIDAZOLE ACS**

Product# 33800

Synonyms: 1,3-diazo-2,4-cyclopentadiene; 1,3-Diazole;

Formanidine, N,N-vinylene-; Glyoxalin; Glyoxaline; Imidazol; Miazole

CAS No: 288-32-4

Formula: NHCH:NCH:CH 

F.W.: 68.08



Appearance: White to off-white crystals

Assay: $>99\%$ $\text{C}_3\text{H}_4\text{N}_2$

pH of a 5% solution: 9.5 - 11.0 at 25 deg C

Residue after Ignition: 0.1 % maximum

Iron (Fe): 0.001 % maximum

Water (H_2O): 0.2 % maximum

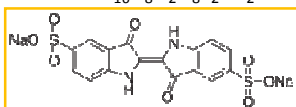
Melting range: 89 - 91 °C

INDIGO CARMINE ACS

Product# 34001

Synonyms: C.I. 73015

CAS No: 860-22-0

Formula: $\text{C}_{16}\text{H}_8\text{N}_2\text{O}_8\text{S}_2\text{Na}_2$ 

F.W.: 466.35

Appearance: Purple Powder

Lambda Max: 608 nm (in water)

Visual Transition Interval: pH 11.5 (blue) to pH 14.0 (yellow)

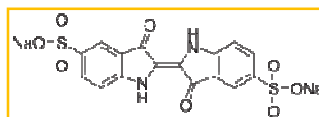
Dye Content: 80 % minimum

INDIGO CARMINE CERTIFIED

Product# 34005

Synonyms: C.I. 73015; Acid Blue 74; 5,5'-Indigodisulfonic acid, disodium salt

CAS No.: 860-22-0

Formula: $\text{C}_{16}\text{H}_8\text{N}_2\text{O}_8\text{S}_2\text{Na}_2$ 

F.W.: 466.35

Appearance: Dark blue to purple powder

Dye content (dried basis): 80.0% minimum

Loss on drying: 5.0% maximum

Visual Transition Interval: From pH 11.5 (Blue) To pH 14.0 yellow)

Aqueous solubility: 1 g in 100 ml at 25 Deg. C

Subsidiary dyes, excluding disodium 3,3-dioxo 2,2'-bi-indolylidene-5,7'-disulfonate:

Dye intermediates: 0.50% maximum

Arsenic: 8 ppm maximum

Lead: 0.001% maximum

Sulfur: 13.0 – 14.0%

Mercury: 1.00 mg/kg maximum

Cadmium: 1.00 mg/kg maximum

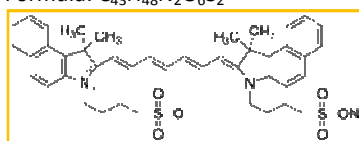
Heavy metals: 40.00 mg/kg maximum

INDOCYANINE GREEN

Product# 34015

Synonyms: Cardio Green; 1H-Benzenedolium,, 2-7-1, 3-dihydro-1, 1-dimethyl-3-(4-sulfobutyl)

CAS No.: 3599-32-4

Formula: $\text{C}_{43}\text{H}_{48}\text{N}_2\text{O}_6\text{S}_2$ 

F.W.: 774.98

Appearance: Dark Green to Brown to Black crystalline powder

Identification: To conform to standard

Assay(Calculated on dry bases): 94% minimum 100% maximum

Loss on drying: 6% maximum

Sodium Iodide: 5% (dry bases) maximum

Arsenic: 8 ppm maximum

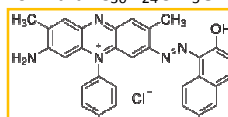
Lead: 0.001% maximum

Lambda max. (H_2O): 779nm +/- 3nmSolubility (1 mg/ml H_2O): Clear Dark Green Solution**INDOINE BLUE**

Product# 34020

Synonyms: Basic Blue 16; Janus Blue; Indoine Blue R

CAS No.: 4569-88-4

Formula: $\text{C}_{30}\text{H}_{24}\text{ClN}_5\text{O}$ 

F.W.: 506.01

Appearance: Brown crystalline powder

Solubility (0.1% Methanol): Clear blue solution

Loss on drying: 10% max.

Lambda max.: 598nm in methanol

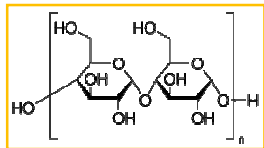
IODINE INDICATOR

Product# 34024

Synonyms: Vitex Indicator, Iodimetric Indicator

CAS No.: 9005-84-9

Formula: $C_6H_{10}O_5$



F.W.: 162.067

Appearance: White odorless powder

Solubility: Readily soluble in cold water

Sensitivity 0.05 ml. 0.01% N Iodine: Distinct blue color in 100 ml neutral solution

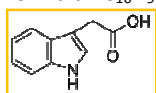
INDOLE-3-ACETIC ACID

Product# 34027

Synonyms: Heteroauxin; 3- Indoleacetic acid; Acetic acid, Indolyl

CAS No: 87-51-4

Formula: $C_{10}H_9NO_2$



F.W.: 175.18

Appearance: White to off-white to Light Tan color Crystalline Powder

Assay (HPLC): > 98 %

Melting Point: 166 - 169 deg. C

Residue after Ignition: < 0.1%

Loss on drying: < 0.5%

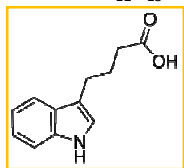
INDOLE-3-BUTYRIC ACID

Product# 34031

Synonyms: 4-(3-1H-Indolyl) butyric acid

CAS No: 133-32-4

Formula: $C_{12}H_{13}NO_2$



F.W.: 203.24

Appearance: Beige to Rose fine crystalline Powder

Assay: 98 % minimum

Water (K.F.): < 0.5 %

Heavy Metals (as Pb): < 10 ppm

Sulfated ash: < 0.1 %

Melting Point: 120 - 125 deg. C

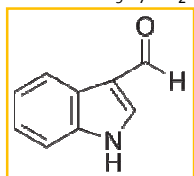
INDOLE-3-CARBOXALDEHYDE ACID

Product# 34034

Synonyms: Indolyl-3-Aldehyde

CAS No: 487-89-8

Formula: $C_9H_7NO_2$



F.W.: 145.16

DUDLEY CHEMICAL

Appearance: Off White to Light Brown Powder

Assay: 99 % minimum

Identification: Positive

Melting Range: 196 - 198 deg. C

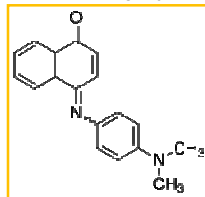
INDOPHENOL BLUE

Product# 34051

Synonyms: Alpha-Naphthol blue

CAS No.: 132-31-0

Formula: $C_{18}H_{16}N_2O$



F.W.: 276.34

Appearance: Black powder

Dye content: ~60%

UV wavelength: 606 nm maximum

Melting Point: 168 °C - 170 °C

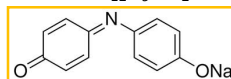
INDOPHENOL SODIUM SALT

Product# 34055

Synonyms: 4-(p-Hydroxyphenyl)-2,5-Cyclohexadiene-1-One Sodium Salt

CAS No.: 5418-32-6

Formula: $C_{12}H_9NO_2$



F.W.: 221.19

Appearance: Green powder

Solubility(0.1%, water): Clear blue solution

Visual Transition Interval: From pH 5.5 (peach) To pH 7.3 (blue)

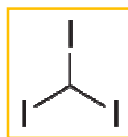
IODOFORM USP

Product# 35160

Synonyms: Triiodomethane; Methane, triiodo

CAS No.: 75-47-8

Formula: CHI_3



F.W.: 393.85

Appearance: A lemon-yellow to dark yellow crystalline powder with characteristic penetrating odor.

Particle Size: 100% passes through 100 Mesh

Identification 1,2,3: To pass tests

Melting Point: 120.0 to 122.0 deg. C.

Assay: 99.0% - 100.5%

Loss on drying: 0.5% maximum

Residue on Ignition: 0.1% maximum

Chloride (Cl): 0.010% maximum

Iodide: To pass test

Sulfate (SO4): 0.017% maximum

Solubility: Insoluble in water; slightly soluble in 96% ethanol;
freely soluble in acetone and ether.
Appearance of Solution: Solutions in ether/acetone are not more
than slightly turbid and free from extraneous matter.
Coloring matter, acids and alkalis: To Pass Tests

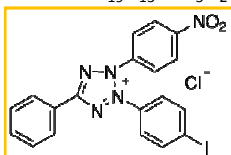
p-iodonitrotetrazolium violet (INT)

Product# 35198

Synonyms: INT; 2-(4-Iodophenyl)-3-(4-nitrophenyl)-5-
phenyltetrazolium chloride

CAS No.: 146-68-9

Formula: $C_{19}H_{13}ClIN_5O_2$



F.W.: 505.70

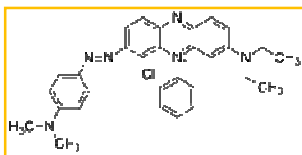
Appearance: Off-white to light yellow crystalline powder
Assay: 99.0% minimum
Identification (IR): Conforms to structure
UV-Vis (water): Lambda max. 248 ± 3 nm
Solubility(4mg/ML, H₂O): Clear (Yellow to Yellow-Green)

JANUS GREEN B PASTE

Product# 40446

Synonyms: C.I. 11050

CAS No: 2869-83-2



F.W.: 511.09

Appearance: Very dark green to almost black paste
Dye content: > 33%
Absorptivity 1%, 1cm, at Lambda max. 667.0nm: > 300
Solids by weight, %: 48% min. / 52% max.
Solubility 0.1%(50% EtOH): Clear, greenish-blue solution

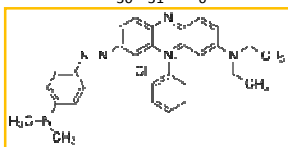
JANUS GREEN B CERTIFIED

Product# 40450

Synonyms: C.I. 11050

CAS No: 2869-83-2

Formula: $C_{30}H_{31}ClN_6$



F.W.: 511.07

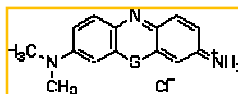
Appearance: Very dark purple /very dark green almost black powder
Dye content: > 50%
Lambda max. (in 50% ethanol): 660 nm
Solubility: Soluble in water, slightly soluble in alcohol

JENNER STAIN CERTIFIED

Product# 40500

Synonyms: Eosin-Methylene Blue

CAS No.: 62851-42-7



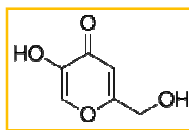
Appearance: Dark Green powder
Solubility 1 mg/ml, MEOH: Opaque, dark blue solution
IR Spectrum: Conforms to structure

KOJIC ACID, 99%

Product# 42020

Synonyms: 2-Hydroxymethyl-5-hydroxy-γ-pyrone 5-Hydroxy-2-
hydroxymethyl-4H-4-pyranone

CAS No: 501-30-4



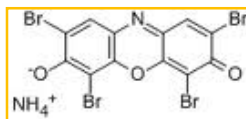
Appearance: White to beige-brown crystalline powder
Infrared spectrometry: Authentic
Melting point: 151°C to 156°C
Assay Acid: >=98.5 %

LACMOID

Product# 44100

Synonyms: Fluorescent Blue

CAS No.: 33869-21-5



Appearance: Black powder
Lambda max.: 611nm in methanol
Solubility (1 mg/ml MEOH): Opaque, dark blue solution
Visual transition interval: From pH 4.4 (red) To pH 6.4 (blue)

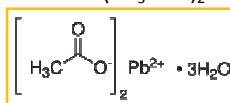
LEAD ACETATE TRIHYDRATE ACS

Product# 46100

Synonyms: Acetic acid, lead (+2) salt trihydrate

CAS No.: 6080-56-4

Formula: $(CH_3COO)_2Pb \cdot 3H_2O$



F.W.: 379.3



Appearance: White crystals
Assay: 99.0 - 103.0%
Insoluble Matter: 0.01% maximum
Chloride (Cl): 5 ppm maximum
Nitrate & Nitrite (as NO₃): 0.005% maximum
Calcium (Ca): 0.005% maximum
Copper (Cu): 0.002% maximum

Iron (Fe): 0.001% maximum
Potassium (K): 0.005% maximum
Sodium (Na): 0.01% maximum

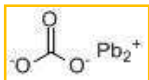
LEAD CARBONATE ACS

Product# 46120

Synonyms: Basic white lead; Lead subcarbonate; Pigment white;
Bis[carbonato(2-)] dihydroxytrilead

CAS No: 598-63-0

Formula: PbCO_3



F.W.: 267.20



Appearance: White to off-white powder
Assay: 98.0% minimum
Insoluble in dilute acetic acid: 0.02 % maximum
Chloride (Cl): 0.002 % maximum
Nitrate and nitrite (as NO_3): To Pass test
Cadmium (Cd): 0.002 % maximum
Calcium (Ca): 0.01 % maximum
Iron (Fe): 0.005 % maximum
Potassium (K): 0.02 % maximum
Sodium (Na): 0.05 % maximum
Zinc (Zn): 0.003 % maximum

LEAD CHLORIDE ACS

Product# 46140

Synonyms: Lead (II) chloride; Lead Dichloride; Plumbous chloride

CAS No: 7758-95-4

Formula: PbCl_2



F.W.: 278.10



Appearance: White to Off-White Powder and/or Chunks
Assay (Titration): 97.5 – 102.5 %
Insoluble Matter: 0.005% maximum
Nitrate (NO_3): 0.005% maximum

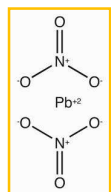
LEAD NITRATE ACS

Product# 46160

Synonyms: Lead (II) Nitrate (1:1); Lead dinitrate; Nitric Acid, lead (2+)

CAS No: 10099-74-8

Formula: $\text{Pb}(\text{NO}_3)_2$



F.W.: 331.20



Appearance: White crystalline powder
Assay: ~ 99 %
Chloride (Cl): 0.001 % maximum
Iron (Fe): 0.001 % maximum

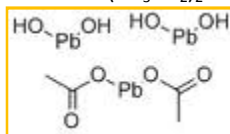
Insoluble Matter: 0.005 % maximum
Copper (Cu): 0.002 % maximum
Sodium (Na): 0.02 % maximum
Potassium (K): 0.005 % maximum
Calcium (Ca): 0.005 % maximum

LEAD SUBACETATE ACS (for Sugar Analysis) Product# 46168

Synonyms: Basic Lead acetate; Lead,bis(acetato)tetra;hydroxytri-
;Bis(aceto)dihydroxytrilead

CAS No.: 1335-32-6

Formula: $(\text{CH}_3\text{CO}_2)_2\text{Pb} \cdot \frac{1}{2}\text{Pb}(\text{OH})_2$



F.W.: 807.69



Appearance: White heavy crystalline powder
Basic Lead (PbO): >33%
Loss on drying at 105 °C: 1.50% maximum
Insoluble in dilute acetic acid: 0.02% maximum
Insoluble in water: 1.00% maximum
Chloride (Cl): 0.003% maximum
Sodium (Na): 0.05 % maximum
Calcium (Ca): 0.01% maximum
Iron (Fe): 0.002% maximum
Potassium (K): 0.02% maximum
Copper (Cu): 0.002% maximum
Nitrate (NO_3): 0.003% maximum

LEAD SULFATE

Product# 46170

Synonyms: Lead II Sulfate

CAS No.: 7446-14-2

Formula: PbSO_4



F.W.: 303.25



Appearance: White faintly beige crystals and/or powder, odorless
Assay: 98% Minimum
Solubility: Soluble in about 2225 parts water, Slightly soluble in hot water. Insoluble in alcohol. Soluble in sodium hydroxide solution and concentrated hydriodic acid.

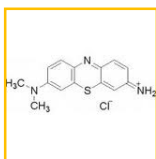
Iron (Fe): <0.001%
Copper (Cu): <0.005%
Chloride (Cl): <0.002%
Nitrate (NO_3): <0.005 %

LEISHMAN STAIN

Product# 46191

Synonyms: Eosin Methylene Blue Acc. To Leishman;
Eosin-polychrome methylene blue

CAS No.: 12627-53-1

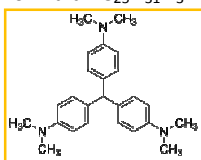


Appearance: Dark-greenish black powder
 Solubility: To be soluble in water
 Wavelength of maximum absorption lambda max:
 515-530 nm Red 643-658 nm Blue (2/3 Ethanol 1/3 Water)
 Staining ability: To be acceptable as a Biological Stain.

LEUCO CRYSTAL VIOLET

Product# 46200

Synonyms: 4,4,4-Methyldynetris(N,N-dimethylaniline)
 CAS No: 603-48-5
 Formula: $C_{25}H_{31}N_3$



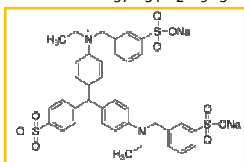
F.W.: 373.53

Appearance: White to light grey to very pale Lavender crystal powder
 Assay: 98 % minimum
 Lambda Max: 261 nm in 0.1 N Hydrochloric acid in Methanol
 Melting Point: 175 - 180 deg. C

LIGHT GREEN S.F. (Yellowish) CERTIFIED C.I. 42095

Product# 46211

Synonyms: Acid Brilliant Green 5; Acid Green 5; FD&C Green
 Number 2; Food Green 2; Pencil Green SF
 CAS No: 5141-20-8
 Formula: $C_{37}H_{34}N_2O_9S_3Na_2$



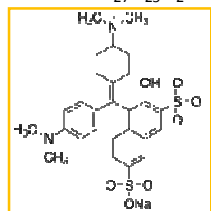
F.W.: 792.86

Appearance: Deep Purple Powder
 Lambda Max: 630 (422) nm (in Water)
 Melting Point: 288 deg. C
 Dye Content: 85 % minimum

LISSAMINE GREEN B

Product# 46217

Synonyms: C.I. 44090; Acid Green 50; Wool Green S
 CAS No: 3087-16-9
 Formula: $C_{27}H_{25}N_2NaO_7S_2$



F.W.: 576.62

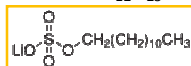
Appearance: Black to Dark Red Powder
 Assay: 80% minimum
 Infrared Spectrum: Conforms to Structure and Standard
 UV-Visible Spectrum: $C = 0.005 \text{ G/L in H}_2\text{O}$
 $E(633 \pm 3 \text{ nm}) = 60,000 \text{ (minimum)}$

Solubility: 0.1% in H₂O; Clear to Very Hazy, Dark Blue to Dark Green Solution

LITHIUM DODECYL SULFATE

Product# 46220

Synonyms: Lithium Lauryl Sulfate; Sulfuric Acid Monododecyl Ester
 CAS No: 2044-56-6
 Formula: $C_{12}H_{25}LiO_4S$



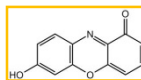
F.W.: 272.3

Appearance: Fine White powder or flakes
 Identification: To pass test
 Assay (C12): 98.5% minimum
 Loss on drying: 0.5 maximum
 Chloride (Cl): 100 ppm maximum
 Heavy Metals: 5 ppm maximum
 Phosphate (PO₄): 1 ppm maximum
 Solubility: 3% aqueous: Clear and colorless
 1% Ethanol: Clear and colorless
 U.V. (3% aq. solution): 260 nm <0.100 A.U. 280 nm <0.075 A.U.

LITMUS

Product# 46252

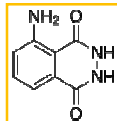
Synonyms: Tournesol
 CAS No.: 1393-92-6



Appearance: Dark purple to black powder or granules
 Lambda max: 575nm in water
 Solubility(10 mg/ml, H₂O): Opaque dark blue solution
 Visual Transition Interval: From pH 4.8 (red) To pH 8.3 (blue)

LUMINOL (3-AMINOPHTHALHYDRAZIDE) Product# 46308

Synonyms: Luminol
 CAS No: 521-31-3
 Formula: $C_8H_7N_3O_2$



F.W.: 177.16

Appearance: Beige to yellowish powder
 Assay (titration): ~98 %
 T.L.C.: Monospot
 2% solution in N NaOH: Clear yellow solution
 Infrared Spectrum: Conforms to structure and standard
 Luminescence Test: Positive
 Sulfated Ash: 2% maximum

Water content: 1% maximum

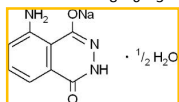
Iron (Fe): 5 ppm maximum

LUMINOL SODIUM SALT HEMIHYDRATE Product# 46316

Synonyms: Luminol Sodium Salt Hemihydrate
(3-AMINOPHTHALHYDRAZIDE SODIUM SALT HEMIHYDRATE)

CAS No: 206658-90-4

Formula: $C_8H_6N_3NaO_2$



F.W.: 199.15

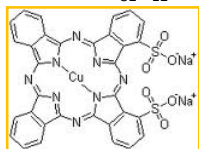
Appearance: Off-white to Tan crystalline powder
Assay: 98 % to 102 %
T.L.C.: To conform to standard
Solubility(5% in water): Clear, yellow solution
Infrared Spectrum: Conforms to structure and standard
Water Content: 10% maximum
Sodium assay (by SAA): 10.5 to 11.5%

LUXOL FAST BLUE MBSN Product# 46357

Synonyms: Solvent Blue 38, Direct Blue 86, C.I. 74180

CAS No.: 1328-51-4

Formula: $C_{32}H_{12}CuN_8Na_2O_6S_2$



F.W.: 778.15

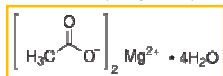
Appearance: Dark blue powder
Identification (I.R.): Conforms to structure
Lambda max(5 mg/l in methanol): 666nm
Chloride (Cl): 0.1% maximum
Solubility(4 mg plus 4 ml of CH3OH): Dark blue solution

MAGNESIUM ACETATE TETRAHYDRATE ACS Product# 49090

Synonyms: Acetic Acid magnesium salt

CAS No: 16674-78-5

Formula: $(CH_3COO)_2Mg \cdot 4H_2O$



F.W.: 214.46

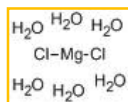
Appearance: White crystals
Assay: 98.0 % - 102.0%
Insoluble Matter: 0.005% maximum
Chloride (Cl): 0.001% maximum
Nitrogen Compounds (as N): 0.001% maximum
Sulfate (SO4): 0.005 % maximum
Barium (Ba): 0.001% maximum
Calcium (Ca): 0.01% maximum
Manganese (Mn): 0.001% maximum
Potassium (K): 0.005% maximum
Sodium (Na): 0.005% maximum
Strontium (Sr): 0.005% maximum
Heavy metals (as Pb): 5 ppm maximum

MAGNESIUM CHLORIDE 6HYDRATE ACS Product# 49104

Synonyms: Magnesium chloride, hexahydrate;
Magnesium chloride 6 hydrate, crystal

CAS No: 7791-18-6

Formula: $MgCl_2 \cdot 6H_2O$



F.W.: 203.30

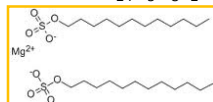
Appearance: Colorless to white, moist crystals
Assay: 99.0 – 102.0 %
Insoluble Matter: 0.005 % maximum
Nitrate (NO3): 0.001 % maximum
Phosphate (PO4): 5 ppm maximum
Sulfate (SO4): 0.002 % maximum
Ammonium (NH4): 0.002 % maximum
Barium (Ba): 0.005 % maximum
Calcium (Ca): 0.01 % maximum
Manganese (Mn): 5 ppm maximum
Potassium (K): 0.005 % maximum
Sodium (Na): 0.005 % maximum
Strontium (Sr): 0.005 % maximum
Heavy metals (as Pb): 5 ppm maximum
Iron (Fe): 5 ppm maximum

MAGNESIUM DODECYL SULFATE Product# 49111

Synonyms: Magnesium Lauryl Sulfate

CAS No: 3097-08-3

Formula: $C_{24}H_{50}O_8S_2Mg$



F.W.: 551.1

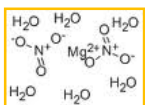
Appearance: White powder
Assay: 85-95 % minimum
pH (1.89% aqueous solution): >7.5
Alkalinity: < 0.1%
Loss on Drying: <15%
Heavy metals (as Pb): <20 ppm
Sulfate (SO4): < 1 %
Chloride (Cl): < 1 %
Solution (5% hot): Clear
Unsulfated alcohols: < 5%

MAGNESIUM NITRATE ACS Product# 49130

Synonyms: Magnesium nitrate 6 hydrate; Magnesium (II)nitrate,
hexahydrate; Nitric acid, magnesium salt hexahydrate

CAS No: 13446-18-9

Formula: $Mg(NO_3)_2 \cdot 6H_2O$



F.W.: 256.41

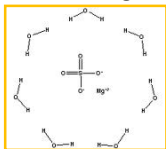


Appearance: White crystals
 Assay: 98.0 – 102.0 %
 pH of a 5% solution: 5.0 - 8.2 at 25 °C
 Insoluble Matter: 0.005 % maximum
 Chloride (Cl): 0.001 % maximum
 Phosphate (PO4): 5 ppm maximum
 Sulfate (SO4): 0.005 % maximum
 Ammonium (NH4): 0.003 % maximum
 Barium (Ba): 0.005 % maximum
 Calcium (Ca): 0.01 % maximum
 Manganese (Mn): 5 ppm maximum
 Potassium (K): 0.005 % maximum
 Sodium (Na): 0.005 % maximum
 Strontium (Sr): 0.005 % maximum
 Heavy metals (as Pb): 5 ppm maximum
 Iron (Fe): 5 ppm maximum

MAGNESIUM SULFATE 7 HY ACS

Product# 49137

Synonyms: Epsom Salts
 CAS No: 10034-99-8
 Formula: $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$



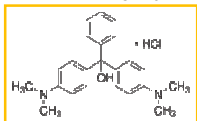
F.W.: 246.67

Appearance: White Crystalline Powder
 Assay: 98.0-102%
 pH of a 5% solution at 25°C: 5.0-8.2
 Insolubility matter: 0.005% maximum
 Chloride (Cl): 5 ppm maximum
 Nitrate (NO₃): 0.002% maximum
 Ammonium (NH₄): 0.002% maximum
 Calcium (Ca): 0.02% maximum
 Manganese (Mn): 5 ppm maximum
 Potassium (K): 0.005% maximum
 Sodium (Na): 0.005% maximum
 Strontium (Sr): 0.005% maximum
 Heavy Metals (as Pb): 5 ppm maximum
 Iron (Fe): 5 ppm maximum

MALACHITE GREEN HCL

Product# 49158

Synonyms: Malachite Green Carbinol Hydrochloride; Basic Green 6
 CAS No: 123333-61-9
 Formula: $\text{C}_{23}\text{H}_{26}\text{N}_2\text{O} \cdot \text{HCl}$



F.W.: 382.93

Appearance: Blue-Green Powder

Assay: 90.0 % minimum
 Infrared Spectrum: Conforms to Structure
 UV-Visible Spectrum: C = 0.01 G/L in H₂O

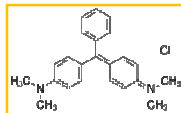
E(618 +/- 2NM) =>59,000

Solubility: 0.1% in H₂O; Opaque, Dark Blue Solution
 Loss on Drying: 6% maximum

MALACHITE GREEN C.I. 42000

Product# 49159

Synonyms: Solvent Green I; C.I. 42000:1; Benzenemethanol
 CAS No: 569-64-2
 Formula: $\text{C}_{23}\text{H}_{25}\text{ClN}_2$



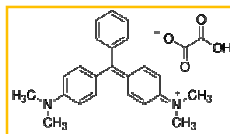
F.W.: 364.90

Appearance: Green Crystalline Powder
 Absorption max: 615 (425) nm
 Assay: 90.0 % minimum
 Melting Point: 164 deg. C
 Water Insolubles(90 deg. C): 0.5 % maximum
 pH (10g / L): 1 - 3

MALACHITE GREEN OXALATE CERTIFIED

Product# 49161

Synonyms: Acryl Brilliant Green; Aniline Green; China Green; Fast Green; Victoria Green; Basic Green 4; C.I. 42000
 CAS No.: 2437-29-8
 Formula: $\text{C}_{46}\text{H}_{50}\text{N}_4 \cdot 2\text{HC}_2\text{O}_4 \cdot \text{C}_2\text{H}_2\text{O}_4$



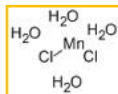
F.W.: 927.03

Appearance: Dark green crystalline powder
 Assay: Minimum 90%
 pH (10 gr / l water): 2 ± 1
 Water-Insolubles: Max. 0.5%
 Lambda max.: 614(425)nm in water
 Solubility 0.01% aqueous solution: Dark green solution
 Visual Transition Interval: From pH 0.0 (yellow) To pH 2.0 (green)
 And From pH 11.6 (blue-green) To pH 14.0 (colorless)

MANGANESE (III) CHLORIDE ACS

Product# 49260

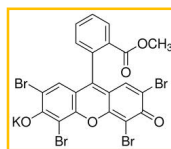
Synonyms: Manganese Chloride 4H₂O
 CAS No.: 13446-34-9
 Formula: $\text{MnCl}_2 \cdot 4\text{H}_2\text{O}$



F.W.: 197.91

Appearance: Pink crystals
 Melting Point: 58 °C
 Assay: 98.0 - 101.0%
 pH of a 5% solution: 3.5-6.0 @ 25 °C

Insoluble Matter: 0.005% maximum
Sulfate (SO₄): 0.005% maximum
Heavy metals (as Pb): 5 ppm maximum
Iron (Fe): 5 ppm maximum
Calcium (Ca): 0.005% maximum
Magnesium (Mg): 0.005% maximum
Potassium (K): 0.01% maximum
Sodium (Na): 0.05% maximum
Zinc (Zn): 0.005% maximum



Appearance: Dark-green powder
Lambda max.: 645(522)nm in methanol
Solubility: H₂O 2 mg/ml EGME 20 mg/ml EtOH 6 mg/ml

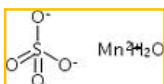
MANGANESE (II) SULFATE MONOHYDRATE ACS

Product# 49270

Synonyms: Manganese sulfate, monohydrate; Manganous sulfate monohydrate

CAS No.: 10034-96-5

Formula: MnSO₄·H₂O



F.W.: 169.02

Appearance: Off-White to pink powder
Assay: 98.0-101.0%
Loss on Ignition: 10.0-12.0%
Substances reducing KMNO₄: To Pass Test
Insoluble Matter: 0.01% maximum
Chloride (Cl): 0.005% maximum
Calcium (Ca): 0.005% maximum
Magnesium (Mg): 0.005% maximum
Nickel (Ni): 0.02% maximum
Potassium (K): 0.01% maximum
Sodium (Na): 0.05% maximum
Zinc (Zn): 0.005% maximum
Heavy metals (as Pb): 0.002% maximum
Iron (Fe): 0.002% maximum

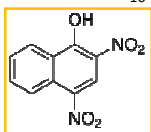
MARTUIS YELLOW

Product# 49650

Synonyms: Acid Yellow 24; C.I. 10315; 2,4-Dinitro-1-naphthol, sodium salt

CAS No: 605-69-6

Formula: C₁₀H₅N₂NaO₅·H₂O



F.W.: 274.16

Appearance: Orange to brownish-yellow powder
Melting Point: 130-132 Deg. C (lit.)
Solubility 0.1% MeOH: Clear, dark yellow solution
Absorptivity 1%/1cm at Lambda max: 370.0nm
Lambda max: 290.0nm
Lambda max.: 254.0nm

MAY-GRUNWALD STAIN

Product# 49751

Synonyms: Methylene Blue-Eosin. Prepared with non-polychromed (non-oxidized) Methylene Blue and Eosin Y

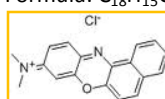
MELDOLA'S BLUE

Product# 50020

Synonyms: Basic Blue 6; C.I. 51175; Fast Blue 3R; 8-Dimethylamino-2,3-Benzophenoxazine Hemi(Zinc Chloride) Salt

CAS No: 7057-57-0

Formula: C₁₈H₁₅ClN₂O*_{1/2}ZnCl₂



F.W.: 378.93

Appearance: Dark green to black powder
Identification (I.R.): Conforms to structure and standard
Melting Point: ~ 280°C
Elemental Analysis: 5.5 – 7.8% Nitrogen
Zinc (as Zn): 6.0 – 8.6%
Chloride (Cl): by Silver Nitrate Titration 14 – 18.7%
Solubility: Dark blue to dark purple solution with some insolubles

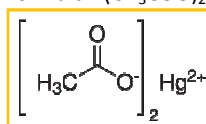
MERCURIC ACETATE ACS

Product# 50120

Synonyms: Mercury acetate; Mercuric diacetate; Acetic Acid, Mercury (2+) salt

CAS No.: 1600-27-7

Formula: (CH₃COO)₂Hg



F.W.: 318.68



Appearance: White to almond white fine crystalline Powder, sensitive to light, odor of acetic acid
Solubility: Easily soluble in water acidified with acetic Acid, in organic solvents

Assay: ≥ 98.0 %
Insoluble Matter: 0.010 % maximum
Residue after Reduction: 0.020 % maximum
Chloride (Cl): 0.005 % maximum
Nitrate (NO₃): 0.005 % maximum
Sulfate (SO₃): 0.005 % maximum
Other Heavy Metals (as Pb): 0.002 % maximum
Iron (Fe): 0.001 % maximum
Mercurous mercury (as Hg): 0.4 % maximum

MERCURIC BROMIDE ACS

Product# 50123

Synonyms: Mercury (II) Bromide

CAS No: 7789-47-1

Formula: HgBr₂

Email: dudley@dudley-chem.com



F.W.: 360.40

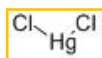


Appearance: White to very faint yellow powder
Melting Point: 237 Deg. C
Solubility(0.5g in 100 ml H₂) at 20°C): To pass test
Residue after Reduction: 0.02 % maximum
Insoluble in methanol: 0.05 % maximum
Chloride (Cl): 0.25 % maximum

MERCURIC CHLORIDE ACS

Product# 50131

Synonyms: Calochlor; Corrosive mercury chloride; Corrosive Sublimate; Mercury bichloride; Mercury perchloride
CAS No: 7487-94-7
Formula: HgCl₂



F.W.: 271.50



Appearance: White crystalline powder
Assay: ≥ 99.5 %
Solution in ethyl ether: To Pass Test
Residue after reduction: 0.02 % maximum
Iron (Fe): 0.002 % maximum
Solubility: Soluble in water, alcohol and ether

MERCURIC IODIDE (RED) ACS

Product# 50150

Synonyms: Mercuric Iodide; Mercury Diiodide; Mercury (II) Iodide
CAS No: 7774-29-0
Formula: HgI₂



F.W.: 454.40

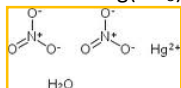


Appearance: Red powder
Assay (dried basis): > 99.0 %
Solubility in Potassium Iodide solution: To Pass Test
Loss on drying: 1.0% maximum
Mercurous Mercury (as Hg): 0.1 % maximum
Soluble mercury salts (as Hg): 0.05 % maximum

MERCURIC NITRATE MONOHYDRATE ACS

Product# 50161

Synonyms: Nitric Acid Mercury Salt Monohydrate; Mercuric Nitrate Monohydrate
CAS No.: 7783-34-8
Formula: Hg(NO₃)₂ * H₂O



F.W.: 342.62



Assay: > 98.0 %
Residue after ignition: 0.01 % maximum
Chloride (Cl): 0.002 % maximum
Sulfate (SO₄): 0.002 % maximum

Iron (Fe): 0.001 % maximum
Mercurous mercury (as Hg): 0.2 % maximum

MERCURIC OXIDE RED ACS

Product# 50164

Synonyms: Mercury (II) Oxide
CAS No: 21908-53-2
Formula: HgO



F.W.: 216.59



Appearance: Red-orange amorphous powder
Solubility: Insoluble in water, soluble in Nitric and Hydrochloric acid
Assay(HgO): ≥ 99 %
Insol. in dilute hydrochloric acid: 0.03% maximum
Residue after reduction: 0.025 % maximum
Chloride (Cl): 0.025 % maximum
Sulfate (SO₄): 0.015 % maximum
Nitrogen compounds (as N): 0.005 % maximum
Iron (Fe): 0.005 % maximum

MERCURIC OXIDE YELLOW ACS

Product# 50167

Synonyms: Mercury (II) Oxide; Mercuric Oxide Red; Mercuric Oxide Yellow

CAS No: 21908-53-2
Formula: HgO



F.W.: 216.59



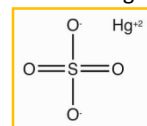
Appearance: Yellow-orange to orange powder
Identification: Positive
Solubility: Insoluble in water, soluble in Nitric and Hydrochloric acid
Assay(HgO): ≥ 99.0 %
Insoluble in diluted hydrochloric acid: 0.030 % maximum
Residue after reduction: 0.050 % maximum
Chloride (Cl): 0.025 % maximum
Sulfate (SO₄): 0.01 % maximum
Nitrogen compounds (as N): 0.005 % maximum
Iron (Fe): 0.003 % maximum

MERCURIC SULFATE ACS

Product# 50170

Synonyms: Mercury (II) Sulfate (1:1); Mercury bisulfate; Sulfuric Acid Mercury (2+) salt (1:)

CAS No.: 7783-35-9
Formula: HgSO₄



F.W.: 296.65



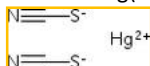
Appearance: White crystals
Identification: Positive
Assay: 98.0 % minimum
Iron (Fe): 0.005 % minimum

Residue on Reduction: 0.02 % maximum
Chloride (Cl): 0.003 % maximum
Nitrate (NO₃): To Pass Test
Mercurous mercury (as Hg): 0.15 % maximum

MERCURIC THIOCYANATE

Product# 50190

Synonyms: Mercury (II) Thiocyanate; Mercuric Sulfocyanate
CAS No.: 592-85-8
Formula: Hg(CNS)₂



F.W.: 316.75



Appearance: White to white with a faint yellow cast powder, decomposes without melting, burns with a bluish flame.

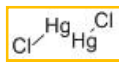
Assay: 99.0 – 105.0 %
Assay (Hg): 61.7% to 64.9%
Solubility: Soluble in Hydrochloric acid, methanol; Insoluble in water.
Sodium (Na): < 0.01 %
Iron (Fe): < 0.002%
Chloride sensitivity: To Pass Test
Melting Point: 165 Deg. C (dec.)
Residue after Ignition: < 0.05%

MERCUROUS CHLORIDE ACS

Product# 50196

Synonyms: Dimercurey Dichloride; Mercurous Chloride; Mercury Subchloride; Mercury (I) Chloride

CAS No.: 10112-91-1
Formula: Hg₂Cl₂



F.W.: 472.09

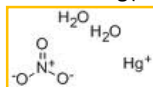


Assay: > 99.5 % Hg₂Cl₂
Residue after reduction: 0.02 % maximum
Mercuric chloride: 0.01 % maximum
Sulfate: 0.01 % maximum

MERCUROUS NITRATE DIHYDRATE ACS

Product# 50200

Synonyms: Mercurous Nitrate; Dihydrate; Nitric Acid, mercury (1+) salt, dihydrate; Mercury protonitrate; Mercury (I) Nitrate, dihydrate
CAS No.: 14836-60-3
Formula: Hg(NO₃)₂ · 2H₂O



F.W.: 561.22



Appearance: White to yellow crystalline powder
Assay: ≥ 97.0 %
Insoluble Matter: 0.005 % maximum
Residue after reduction: 0.01 % maximum
Chloride (Cl): 0.005 % maximum
Sulfate (SO₄): 0.005 % maximum
Iron (Fe): 0.001 % maximum

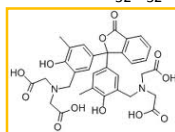
Mercuric mercury (as Hg): 0.5 % maximum

METALPHTHALEIN ACS

Product# 50202

Synonyms: Phthalein Purple; O-Cresolphthalein Complexone ACS; Xylenylphthalein-bisiminodiacetic acid

CAS No.: 2411-89-4
Formula: C₃₂H₃₂N₂O₁₂



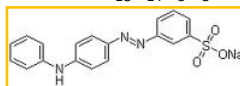
F.W.: 636.60

Appearance: White to light pink to tan crystalline powder
Identification: Conforms to structure and standard
Residue on ignition: 0.5% maximum
Loss on drying: 10.0% maximum
Lambda Max: 575(377)nm in 0.1 N sodium hydroxide
Clarity of solution: To pass test
Suitability as a mixed indicator for complexometry: To pass test

METANIL YELLOW

Product# 50206

Synonyms: C.I. 13065; Acid Yellow 36
CAS No.: 587-98-4
Formula: C₁₈H₁₄N₃O₃Na



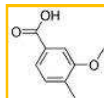
F.W.: 375.38

Appearance: Reddish yellow powder
Lambda max: 414 nm in Methanol
Dye content: 70% minimum
Solubility: 0.01 g in 10 ml ME OH: Clear, deep yellow-orange solution
Visual Transition Interval: From pH 1.2 (red) To pH 2.3 (yellow)

3-METHOXY-4-METHYLBENZOIC ACID

Product# 50208

Synonyms: 3-Methoxy-p-toluic acid; 4-Methyl-m-anisic acid
CAS No.: 7151-68-0
Formula: C₉H₁₀O₃



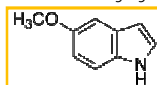
F.W.: 166.2

Appearance: White Powder
Assay: 98% minimum
Melting Point: 152-154 Deg. C (lit.)

5-METHOXYINDOLE

Product# 50212

Synonyms: Methoxy-5 Indole (French); 5-Methoxyindole
CAS No.: 1006-94-6
Formula: C₉H₉NO



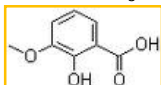
F.W.: 147.18

Appearance: White to off-white crystalline powder
 Identification: Conforms to standard
 Infrared Spectrum: Conforms to structure & standard
 Assay: 98.0% minimum
 Loss on drying @105 °C: 0.5% maximum
 Residue on Ignition: 0.5% maximum
 Melting Point: 55.5 °C to 58.5 °C
 Boiling Point: 176 °C to 178 °C
 Solubility: Soluble in ethanol

3-METHOXYMETHYLBENZOIC ACID

Product# 50215

Synonyms: 2-Methyladamantane-2-ol
 CAS No.: 877-22-5
 Formula: $\text{CH}_3\text{OC}_6\text{H}_3(\text{OH})\text{CO}_2\text{H}$



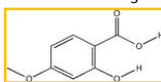
F.W.: 168.15

Appearance: White to brown powder
 Assay: 97.0 - 103.5% (with NaOH)
 Melting Point: 147-152 °C

4-METHOXYMETHYLBENZOIC ACID

Product# 50217

Synonyms: 2-Hydroxy-4-Methoxybenzoic Acid
 CAS No.: 2237-36-7
 Formula: $\text{CH}_3\text{OC}_6\text{H}_3(\text{OH})\text{CO}_2\text{H}$



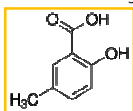
F.W.: 168.15

Appearance: Off-White crystalline powder
 Assay(Titration with NaOH): 99.0 minimum
 Melting Point: 157°C - 159°C

5-METHOXYMETHYLBENZOIC ACID

Product# 50219

Synonyms: 2-Hydroxy-5-methylbenzoic acid p-Cresotic Acid
 CAS No: 89-56-5
 Formula: $\text{CH}_3\text{C}_6\text{H}_3(\text{OH})\text{CO}_2\text{H}$



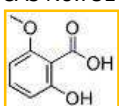
F.W. 152.15

Appearance: beige fine crystalline powder
 Infrared spectrometry: authentic
 Melting point: 142°C to 146°C
 Separat. techn. HPLC: >=97.5 %

6-METHOXYMETHYLBENZOIC ACID

Product# 50223

Synonyms: 6-Hydroxy-o-anisic Acid
 CAS No.: 3147-64-6



F.W.: 168.15

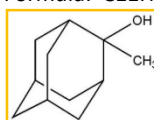
Appearance: White Solid, Powder or Crystals

Infrared spectrum: Conforms to Structure
 Purity (Titration by NaOH): 97.5 - 102.5 %
 Purity (TLC): >=98 %
 Solubility (Turbidity): Clear c = 25mg/ml, Methanol
 Solubility (Color): Colorless

2-METHYL-2-ADAMANTANOL

Product# 50230

Synonyms: 2-Methyladamantane-2-ol
 CAS No.: 702-98-7
 Formula: $\text{C}_{11}\text{H}_{18}\text{O}$



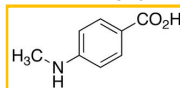
F.W.: 166.26

Appearance: White to Off-White crystalline powder
 Assay: 98.0 % minimum
 Identification: In accordance with Ref. Standard
 Melting Range: 208 - 215 deg. C
 Sulphated Ash: 0.10 % maximum

4-(METHYLAMINO)BENZOIC ACID

Product# 50236

Synonyms: Benzoic acid, p-(methylamino)-
 CAS No: 10541-83-0
 Formula: $\text{C}_8\text{H}_9\text{NO}_2$



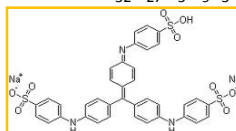
F.W.: 151.2

Appearance: Off-white Powder
 Assay: 97% minimum
 Melting Point: 160-163 Deg. C (lit.)

METHYL BLUE C.I. 42780

Product# 50240

Synonyms: Acid Blue 93
 CAS No: 28983-56-4
 Formula: $\text{C}_{32}\text{H}_{27}\text{N}_3\text{O}_9\text{S}_3\text{Na}_2$



F.W.: 737.74

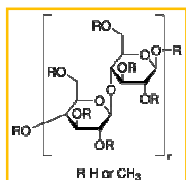
Appearance: Brownish-Purple crystalline powder With metallic lustre

Solubility (in water): Soluble
 Lambda max: 594-610 nm in water

METHYL CELLULOSE

Product# 50245

Synonyms: Methocel MC
 CAS No.: 9004-67-5
 Formula:



Appearance: White fibrous powder or granules
 Identification A, B, C: To pass tests
 pH: 5.5-8.0
 Loss on drying @ 105 Deg. C for 2 hours: 5.0% maximum
 Residue on Ignition: 1.5% maximum
 Assay Methoxy content(on dried basis): 27.5% - 31.5%
 Viscosity (LV-4, 60 rpm): 3000 – 5600 cp
 Heavy metals (as Pb): 10 ppm maximum
 Organic Volatile Impurities: To pass test
 Solubility: Clear to hazy colorless to light yellow viscous solution at 20 mg/ml in water

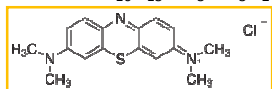
METHYLENE BLUE TRIHYDRATE (TECHNICAL) C.I. 52015

Product# 50252

Synonyms: Basic Blue 9, C.I. 52015; trihydrate; Methylene Blue trihydrate; 3,7-Bis(dimethylamino)phenazathionium chloride trihydrate

CAS No: 7220-79-3

Formula: $C_{16}H_{18}ClN_3S \cdot 3H_2O$



F.W.: 373.90

Appearance: Green Powder
 Assay: 90 % Minimum
 Loss on drying: 8.0 - 18.0 %

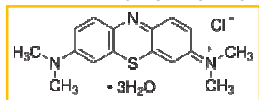
METHYLENE BLUE CERTIFIED

Product# 50255

Synonyms: Basic Blue 9; C.I. 52015

CAS No: 7220-79-3

Formula: $C_{16}H_{18}ClN_3S \cdot 3H_2O$



F.W.: 373.90

Appearance: Dark greenish crystalline powder
 Identification: To pass test
 Assay: > 82%
 Loss on drying at 105 Deg. C: 8% - 18%
 Lambda max.: 661nm in water
 Solubility: Soluble in water, ethanol, methyl Cellosolve and ethylene glycol.

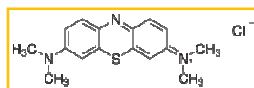
METHYLENE BLUE USP C.I. 52015

Product# 50261

Synonyms: Basic Blue 9, C.I. 52015 trihydrate; Methylene Blue trihydrate; 3,7-Bis(dimethylamino)phenazathionium chloride trihydrate

CAS No: 7220-79-3

Formula: $C_{16}H_{18}ClN_3S \cdot 3H_2O$



F.W.: 373.90

Appearance: Dark greenish crystalline powder
 Identification: To pass test
 Assay: 98 - 103 %
 Loss on drying: 8.0 - 18.0 %
 Residue on ignition: 1.2 % maximum
 Arsenic: 8 ppm maximum
 Copper or Zinc: 0.02 % maximum
 Chromatographic Impurities: To pass test
 Organic Volatile Impurities (Residual Solvents): To pass test

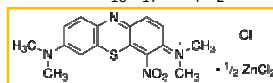
METHYLENE GREEN ZINC CHLORIDE DOUBLE SALT

Product# 50271

Synonyms: Basic Green 5 C.I. 52020

CAS No.: 6722-15-2

Formula: $C_{16}H_{17}ClN_4O_2S$



F.W.: 433.0

Appearance: Very dark green or brown powder
 Dye content: ~65%
 Lambda max.: 657(618)nm in pH 5.8 buffer
 Solubility (1 mg/ml, H2O): Opaque, deep blue solution

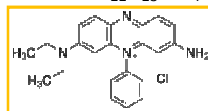
METHYLENE VIOLET 3RAX C.I. 50206

Product# 50290

Synonyms: 3-Amino-7-[diethylamino]-5-phenyl phenazium chloride

CAS No: 4569-86-2

Formula: $C_{22}H_{23}ClN_4$



F.W.: 378.91

Appearance: Green crystalline Powder
 Melting Point: 285 deg. C
 Lambda Max: 557 nm in Water

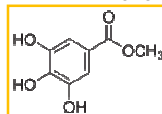
METHYL GALLATE

Product# 50304

Synonyms: Methyl 3,4,5-Trihydroxybenzoate

CAS No.: 99-24-1

Formula: $C_8H_8O_5$



F.W.: 184.15

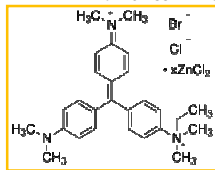
Appearance: White to off-white to slightly beige powder
 Melting Point: 199 - 203 Deg. C
 Residue on Ignition: < 0.1%
 Loss on drying @110°C/1hr: < 0.5%
 Assay (TLC): >98.5%
 Heavy metals (as Pb): < 10 ppm

METHYL GREEN CERTIFIED C.I. 42585 Product# 50317

Synonyms: Benzenaminium, 4-4-(dimethylamino)phenyl 4-(dimethylamino)-2,5 cyclohexadien-1-ylidenemethyl-n-ethyl-n,n-dimethyl-, bromide chloride

CAS No.: 14855-76-6

Formula: $(C_{26}H_{33}Cl_2N_3)_n \cdot xZnCl_2$



F.W.: 516.95

Appearance: Dark green powder
 Loss on drying: Maximum 10%
 Assay: Minimum 75%
 Lambda max.: 632nm (in water)
 Solubility: Soluble in water, slightly soluble in alcohol, practically insoluble in methylene chloride and ether.

Zinc content(calculated on dried basis): Minimum 5% Maximum 7.5%

Color of solution at pH 2.5 to pH 10: Blue-green solution

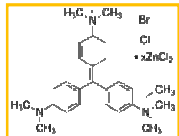
METHYL GREEN C.I. 42590

Product# 50320

Synonyms: C.I. 42590; Ethyl Green

CAS No: 7114-03-6

Formula: $C_{27}H_{35}Cl_2N_3 \cdot ZnCl_2$



F.W.: 653.24

Dye Content (TiCl3 titration) Calculated as the ZnCl2 double salt: > 65%

Appearance: Dark, Brownish Red to dark green Powder

Spectroscopy: Lambda max. 630 – 635 nm in water

Solubility: Soluble in water and to a lesser extent in ethanol to give a clear deep green solution. No solid residue

Visual Transition Interval: pH 0.2 (yellow) to pH 1.8 (blue)

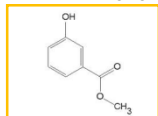
METHYL 3-HYDROXYBENZOATE

Product# 50327

Synonyms: Benzeneacetic acid, 4-Hydroxy-, methyl ester

CAS No: 19438-10-9

Formula: $C_8H_8O_3$



F.W.: 152.15.17

Appearance: White to off-white to Beige crystalline powder

Identification: To pass test

Assay (by HPLC): > 99.0%

Melting Point: 70 – 72 °C (158-162 °F)

Boiling Point: 280 – 281 °C

Infrared Spectrum: Conforms to Structure

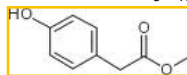
METHYL 4-HYDROXYPHENYLACETATE, 99%

Product# 50329

Synonyms: Benzeneacetic acid, 4-Hydroxy-, methyl ester

CAS No: 14199-15-6

Formula: $HOC_6H_4CH_2CO_2CH_3$



F.W.: 166.17

Appearance: White to off-white crystalline powder

Identification: To pass test

Assay (by HPLC): > 99.0%

Melting Point: 55 – 60 Deg. C

Boiling Point: 162 – 163 Deg. C (5mm Hg)

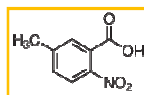
Water: < 0.5%

5-METHYL-2-NITROBENZOIC ACID

Product# 50333

Synonyms: 6-Nitro-M-Toluic Acid

CAS No: 3113-72-2



F.W.: 181.15

Appearance: White to Yellow Crystals, Needles, Crystalline Powder

Infrared spectrum: Conforms to Structure

Purity (Titration by NaOH): 94.0 - 106.0 %

GC (area %): ≥94.0 %

METHYL ORANGE ACS

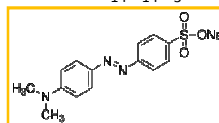
Product# 50341

Synonyms: C.I. 13025; Acid Orange 52; Orange III;

4-(Dimethylamino)azobenzenesulfonic Acid, Sod. Salt

CAS No: 547-58-0

Formula: $C_{14}H_{14}N_3NaO_3S$



F.W.: 327.34

Appearance: Fine Orange powder

Clarity of Solution: To Pass ACS Test

Aqueous solubility: Soluble in 500 parts water; More soluble in hot water

Melting Point: > 300 deg. C

Loss on drying @110 °C/1hr: < 3%

Visual Transition Interval: pH 3.2 (pink or red) to pH 4.4 (yellow)

METHYL RED FREE ACID ACS

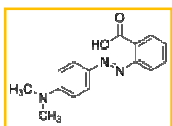
Product# 50362

Synonyms: 2-[4-(Dimethylamino)phenylazo]benzoic acid;

C.I. 13020; Acid Red 2

CAS No: 493-52-7

Formula: $C_{15}H_{15}N_3O_2$



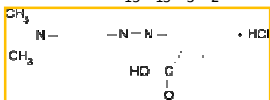
F.W.: 269.30

Appearance: Red to maroon powder
 Melting Range: 179 - 182 deg. C
 Loss on drying at 110deg. C (1 hour): < 3%
 Absorptivity 1%, 1cm: To pass test
 (pH 6.2) at lambda max 430 nm > 700
 (pH 4.2) at lambda max 527 nm > 1350
 Clarity of alcohol Solution: Passes test
 Visual Transition Interval: From pH 4.2 (pink) To pH 6.2 (yellow)

METHYL RED HCL ACS

Product# 50364

Synonyms: 2-((4-(dimethylamino)phenyl)azo)-benzoic acid, HCL
 CAS No: 63451-28-5
 Formula: $C_{15}H_{15}N_3O_2 \cdot HCl$



F.W.: 305.77

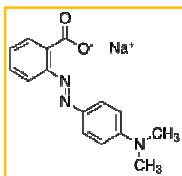
Clarity of alcohol Solution: Passes test
 Visual Transition Interval: pH 4.2 (pink) to pH 6.2 (yellow)

METHYL RED SODIUM SALT ACS

Product# 50368

Synonyms: 2-[4-(Dimethylamino)phenylazo]benzoic acid sodium salt;
 C.I. 13020; Acid Red 2

CAS No: 845-10-3
 Formula: $C_{15}H_{14}N_3O_2Na$



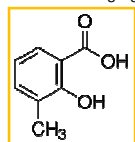
F.W.: 291.29

Appearance: Dark Red to brownish yellow to brown powder
 Clarity of alcohol Solution: To Pass test
 Clarity of aqueous Solution: To Pass Test
 Visual Transition Interval: From pH 4.2 (pink) To pH 6.2 (yellow)
 Loss on drying @ 110°C /1hr: < 5%

3-METHYLSALICYLIC ACID

Product# 50369

Synonyms: 2-Hydroxy-3-methylbenzoic acid; o-Cresotic acid; Cresotinic
 CAS No: 83-40-9
 Formula: $C_8H_8O_3$



F.W.: 152.15

Appearance: White to off-white or pale pink crystalline powder
 Identification: Conforms to structure and standard
 Assay: 98.5% minimum

DUDLEY CHEMICAL

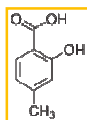
Solubility (in Methanol): Clear to slightly hazy, colorless to faint brown solution

Melting Point: 164 – 167 Deg. C
 Moisture: 0.3% maximum

4-METHYLSALICYLIC ACID, 99%

Product# 50372

Synonyms: 2-Hydroxy-4-methylbenzoic acid; m-Cresotic Acid
 CAS No: 50-85-1
 Formula: $CH_3C_6H_3(OH)CO_2H$



F.W.: 152.15

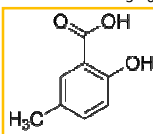
Appearance: White to off-white crystalline powder
 Melting Point: 173 – 178 Deg. C
 Assay: 99.0% minimum
 Moisture: 0.5% maximum
 Residue on Ignition: 0.1% maximum
 Solubility: Soluble in methanol

5-METHYLSALICYLIC ACID, 98%

Product# 50375

Synonyms: 2-Hydroxy-5-methylbenzoic acid; p-Cresotic acid;
 2,5-Cresotic acid; 6-Hydroxy-m-toluic acid

CAS No: 89-56-5
 Formula: $CH_3C_6H_3(OH)CO_2H$



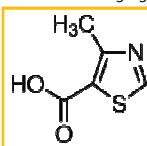
F.W.: 152.15

Appearance: White to off-white crystalline powder
 Melting Point: 150 – 155 Deg. C
 Assay: 98.0% minimum
 Moisture: 0.5% maximum
 Residue on Ignition: 0.1% maximum

4-METHYL-5-THIAZOLECARBOXYLIC ACID, 97%

Product# 50379

Synonyms: 4-Methyl-1,3-thiazole-5-carboxylic acid
 CAS No: 20485-41-0
 Formula: $C_5H_5NO_2S$



F.W.: 143.16

Appearance: White to off-white crystalline powder
 Identification (I.R.): Conforms to structure and standard
 Melting Range: 250 – 287 Deg. C
 Assay (titration): 97.0% minimum

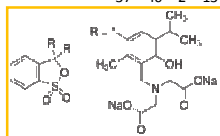
METHYLTHYMOL BLUE SODIUM SALT ACS

Product# 50390

Synonyms: 3,3'-Bis[N,N-di(carboxymethyl)-

aminomethyl]thymolsulfonphthalein, Sodium

CAS No.: 1945-77-3

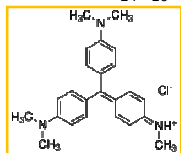
Formula: $C_{37}H_{40}N_2O_{13}Na_4S$ 

F.W.: 844.74

Appearance: Brown to Dark-Green to black powder
 Suitability as a metal indicator: To Pass Test
 Clarity of solution: To Pass Test
 Visual transition interval: From pH 6.5 (yellow) To pH 8.5 (blue)
 Loss on drying @110°C: 10% maximum

METHYL VIOLET 2B CERTIFIED C.I. 42535 Product# 50422

Synonyms: C.I. Basic Violet; C.I. 42535; Methyl Violet, Indicator Grade
 CAS No: 8004-87-3
 Formula: $C_{24}H_{26}N_3Cl$



F.W.: 393.96

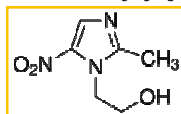
Appearance: Green Crystalline Powder
 Melting Point: 137 deg. C
 Lambda max: 584 nm (in 50% Ethanol)
 Visual Transition Interval: pH 0.1 (yellow) to pH 2.7 (pink)

METRONIDAZOLE USP

Product# 51100

Synonyms: 2-Methyl-5-nitroimidazole-1-ethanol; 1H-Imidazole-1-ethanol, 2-methyl-5-nitro-

CAS No: 443-48-1

Formula: $C_6H_9N_3O_3$ 

F.W.: 171.20

Appearance: White to yellowish crystalline powder
 Assay (on anhydrous basis): 99.0% - 101.0%
 Identification A, B: To Pass Tests
 Melting Point: 159 - 163 deg. C
 Residue on ignition: 0.1 % maximum
 Loss on drying(at 105 deg. C/ 2 hours): 0.5 % maximum
 Heavy Metals: 0.005% maximum
 Non-basic substances: To Pass Test
 Solubility(200 mg plus 4 ml of Acetic acid): Clear to slightly hazy, light yellow to light green solution.
 Chromatographic Purity: To Pass Test

MOLYBDIC ACID ACS

Product# 51501

Synonyms: Ammonium dimolybdate
 CAS No: 7782-91-4
 Formula: MoO_3



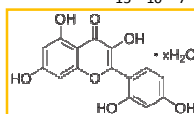
F.W.: 161.95

Appearance: White to slightly yellowish crystalline powder or crystals
 Assay: $\geq 85.0\%$
 Insoluble in dilute: $< 0.01\%$ ammonium hydroxide
 Chloride (Cl): $< 0.002\%$
 Phosphate (PO4): < 5 ppm
 Sulfate (SO4): $< 0.2\%$
 Heavy metals (as Pb): $< 0.003\%$
 Arsenate, phosphate, & Silicate (as SiO2): $< 0.001\%$

MORIN HYDRATE

Product# 51600

Synonyms: 2',3,4',5,7-Pentahydroxyflavone Dihydrate
 CAS No: 480-16-0
 Formula: $C_{15}H_{10}O_7 \cdot xH_2O$



F.W.: 302.24

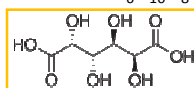
Appearance: Brown powder
 Assay: 95% minimum
 Melting Point: 299-300 Deg. C (lit.)
 Solubility1 mg/ml, EtOH: Very slightly hazy brown solution

MUCIC ACID

Product# 52002

Synonyms: Galactaric acid; Saccharolactic acid; Tetrahydroxyadipic acid;
 Tetrahydroxyhexanedioic acid

CAS No.: 526-99-8

Formula: $C_6H_{10}O_8$ 

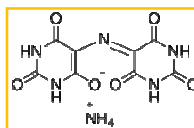
F.W.: 210.14

Appearance: White to off-white crystalline powder
 Identification: Conforms to structure
 Assay: 98% minimum
 Melting Point: 210 - 225 Deg. C
 Loss on drying: 1.0% maximum
 Sulfated Ash: 0.1% maximum
 Solubility 4% in 1N NaOH solution: Clear, colorless solution

MUREXIDE ACS

Product# 52151

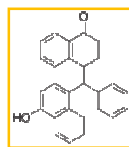
Synonyms: 5,5'-Nitrilobarbituric Acid Monoammonium Salt
 CAS No: 3051-09-0
 Formula: $C_8H_8N_6O_6$



F.W.: 284.19

Appearance: Dark Maroon to Reddish Violet Powder
 Identification A,B: To Pass Test

Assay(UV): 97.0 % minimum
 Loss on drying: 0.5 % Maximum
 Sulfated Ash: 0.2 % Maximum
 Sensitivity: To Pass Test
 Suitability as a complexometric Indicator: Passes Test
 Solubility 0.01 g in 100 g water: Clear solution



F.W.: 374.43

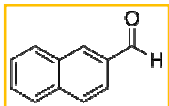
Appearance: Red-brown flakes/Powder
 Specific Extinction (1%/1cm): 350 minimum
 Maximum of Absorption (in 0.01M NaOH): 644.0 - 652.0 nm
 Visual Transition Interval: From pH 8.2 (orange) To pH 10.0 (blue)
 Chloride (Cl): 5000 ppm maximum

2-NAPHTHALDEHYDE, 98%

Product# 53251

Synonyms: 2-Formylnaphthalene; 2-Naphthalene carboxaldehyde;
 beta-Formylnaphthalene, beta-Naphthaldehyde,
 beta- Naphthylcarboxaldehyde, Naphth-2-aldehyde

CAS No. 66-99-9
 Formula: $C_{10}H_7CHO$



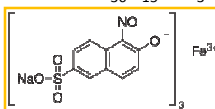
F.W.: 156.18

Appearance: Off-white to tan crystalline powder
 Assay (GC): 98% minimum
 Melting Point: 57 °C to 62 °C

NAPHTHOL GREEN B ACS

Product# 53361

Synonyms: Acid Green 1
 CAS No.: 19381-50-1
 Formula: $C_{30}H_{15}FeN_3Na_3O_{15}S_3$



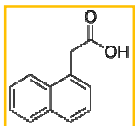
F.W.: 878.46

Appearance: Dark Green to Black Powder
 Solubility: Dark Green Solution at 4mg + 4ml of water
 Dye Content: Approximately 50%

1-NAPHTHALENE ACETIC ACID

Product# 53340

Synonyms: Naphthalene-2-Acetic Acid
 CAS No: 86-87-3
 Formula: $C_{12}H_{10}O_2$



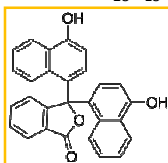
F.W.: 186.21

Appearance: White to Off-White crystalline powder
 Assay: 98.0 % minimum
 Melting Point: 129 - 131.5 deg. C
 Solubility: To pass test

a-NAPHTHOLPHTHALEIN

Product# 53365

Synonyms: Di-p-a-Naphthophthalide
 CAS No.: 596-01-0
 Formula: $C_{28}H_{18}O_4$



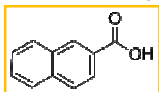
F.W.: 418.45

Appearance: Dark Pink to Brown Powder
 Melting Point: 237 – 240°C
 Loss on drying @110°C (1hr): < 5%
 Absorptivity 1%/1cm @Lambda max.: >550
 Absorption Max. (in 0.1N NaOH): 648 – 654 nm
 Visual Transition Interval: From pH 7.3 (pinkish-yellow)
 To pH 8.7 (greenish-blue)

2-NAPHTHOIC ACID, 99%

Product# 53356

Synonyms: 2-Naphthalenecarboxylic Acid
 CAS No.: 93-09-4
 Formula: $C_{11}H_8O_2$



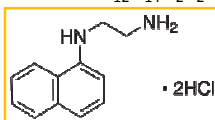
F.W.: 172.18

Appearance: White to Off-White to Beige Powder
 Melting Point: 185° C to 187° C
 Assay (by HPLC): 99%

N-(1-NAPHTHOL)ETHYLENEDIAMINE DIHCL

Product# 53368

Synonyms: 2-(1-Naphthylamino)ethylamine dihydrochloride
 CAS No: 1465-25-4
 Formula: $C_{12}H_{14}N_2 \cdot 2HCl$



F.W.: 259.18

Alpha- NAPHTHOLBENZEIN

Product# 53359

Synonyms: 4,4'-(a-Hydroxybenzylidene)di-1-naphthol; a,a-Bis(4-hydroxy
 1-naphthyl)benzyl alcohol p-Naphtholbenzein

CAS No: 145-50-6
 Formula: $C_{27}H_{18}O_2$

Appearance: White to off-white powder
 Melting Point: 194-198 Deg. C

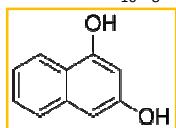
Assay: 98.0% minimum
Infrared Spectrum: Conforms to structure
Sensitivity to sulfanilamide: To pass test
Solubility: To pass test
Water (H₂O): <5% (K.F.)

Solubility(50 mg/ml in Methanol): Clear colorless to light yellow solution

NAPHTHORESORCINOL

Product# 53370

Synonyms: 1,3-Dihydroxynaphthalene
CAS No.: 132-86-5
Formula: C₁₀H₈O₂



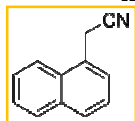
F.W.: 160.17

Appearance: White to Tan Powder
Melting Point: 123° C to 125° C
Assay (by HPLC): 99% Minimum
Solubility: Clear to slightly hazy colorless to Orange Brown solution at 50mg/ml of Ethanol

1-NAPHTHYLACETONITRILE

Product# 53376

Synonyms: 1-Naphthaleneacetonitrile
CAS No.: 132-75-2
Formula: C₁₂H₉N



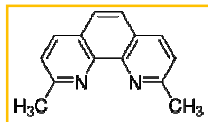
F.W.: 167.21

Appearance: White to off-white solid
Melting Point: 33 °C to 35 °C
Boiling Point: 191 °C to 194 °C / 18 mm
Flash Point: >230 °F
Assay: 97.0% minimum

NEOCUPROINE ACS

Product# 53501

Synonyms: 2,9-dimethyl-1,10-phenanthroline;
2,9-dimethyl-o-phenanthroline.
CAS No: 484-11-7
Formula: C₁₄H₁₂N₂



F.W.: 208.26

Appearance: White to yellow to tan crystalline powder
Identification: Conforms to structure and standard
Melting Point: 159 – 164 Deg. C
Loss on drying: 6.0% maximum
Assay (GC): 98 % minimum
Residue on Ignition: 0.1% maximum
Clarity of solution: To Pass test
Sensitivity to copper: To Pass test

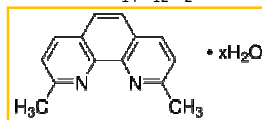
NEOCUPROINE HYDROCHLORIDE

Product#

53505

Synonyms: 2,9-dimethyl-1,10-phenanthroline HCl;
2,9-dimethyl-o-phenanthroline HCl.

CAS No: 7296-20-0
Formula: C₁₄H₁₂N₂*HCl*H₂O



F.W.: 262.75

Appearance: White to light yellow crystalline powder
Identification: Conforms to structure and standard
Melting Point: 250 Deg. C (dec.)
Assay (TLC): 98 % minimum
Assay Total base: >98.5%
Sulfated Ash: <0.1%
Clarity of solution: Passes test
Sensitivity to copper: Passes test

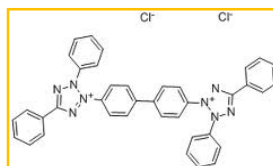
NEOTETRAZOLIUM CHLORIDE

Product# 53700

Synonyms: 2',2',5',5'-Tetraphenyl-3,3'-(p-diphenylene)ditetrazolium chloride; 3,3'-(4,4'-Biphenylene)bis(2,5-diphenyl- 2-H-tetrazolium chloride)

; NeoT, NTC

CAS No.: 298-95-3
Formula: C₃₈H₂₈Cl₂N₈



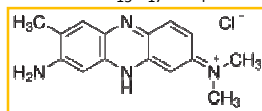
F.W.: 667.60

Appearance: Yellow to buff crystals and/or powder
Identification: To Pass test
Assay: > 85%
Melting Point: ~230 °C
Solubility in methanol (50 mg/ml): Clear and complete

NEUTRAL RED, 90%

Product# 54145

Synonyms: C.I. 50040; Basic Red 5; Toluylene red.
CAS No: 553-24-2
Formula: C₁₅H₁₇ClN₄



F.W.: 288.78

Appearance: Very dark-green to blackish-brown powder
Lambda max (In 50% Ethanol + .5 ml Acetic Acid): 540 nm
Assay: 90% minimum
Loss on drying at 110 deg.C/1hr: 8 % maximum

Visual Transition Interval: From pH 6.8 (red) To pH 8.0 (yellow)
Solubility 0.1% in 50% EtOH + 2 ml Acetic acid): Clear red solution
Absorptivity 1% / 1 cm (50% EtOH + Acetic Acid)
at Lambda max. 541.0 nm: 1370 - 1520

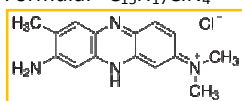
NEUTRAL RED ACS

Product# 54150

Synonyms: Basic Red 5; C.I. 50040; 3-Amino-7-dimethylamino
-2-methyl phenazine hydrochloride

CAS No: 553-24-2

Formula: $C_{15}H_{17}ClN_4$



F.W.: 288.78

Appearance: Very Dark-Green Powder
Melting Point: ~290 deg. C
Dye content: > 50%
Lambda max.: 540 nm (in 50% Ethanol + 0.5 ml Acetic Acid)
Clarity of solution: To pass test
Visual Transition Interval: From pH 6.8 (red) To pH 8.0 (yellow)

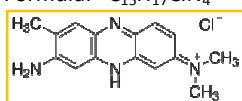
NEUTRAL RED CERTIFIED

Product# 54154

Synonyms: Basic Red 5; C.I. 50040; 3-Amino-7-dimethylamino
-2-methyl phenazine hydrochloride

CAS No: 553-24-2

Formula: $C_{15}H_{17}ClN_4$



F.W.: 288.78

Appearance: Very Dark-Green Powder
Melting Point: ~290 deg. C
Dye content: > 50%
Lambda max.: 540 nm (in 50% Ethanol + 0.5 ml Acetic Acid)
Clarity of solution: To pass test
Visual Transition Interval: From pH 6.8 (red) To pH 8.0 (yellow)

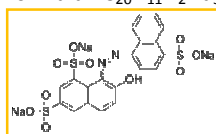
NEW COCCINE

Product# 54156

Synonyms: Acid Red 18; Victoria Scarlet 3R; C.I. 16255

CAS No: 2611-82-7

Formula: $C_{20}H_{11}N_2Na_3O_{10}S_3$



F.W.: 604.48

Appearance: Maroon Powder
Lambda Max: 506(335)nm in water
Solubility: Soluble in water and methyl Cellosolve
Very slightly soluble in ethanol

Dye content: ~75%
Water-insoluble matter: 0.2% maximum
Chloride & Sulfate: 8.0% maximum
Loss on drying: 10% maximum

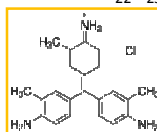
NEW FUCHSIN

Product# 54160

Synonyms: Basic Violet 2; C.I. 42520; Magenta III; Aniline; 4-[(4-amino-3-methylphenyl)(4-imino-3-methyl-2,5-cyclohexadien-1-ylidene) Benzenamine

CAS No.: 3248-91-7

Formula: $C_{22}H_{23}N_3.HCl$



F.W.: 365.90

Appearance: Green crystalline powder
Lambda Max: 551nm in 50% ethanol

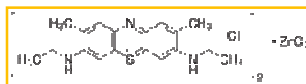
NEW METHYLENE BLUE N ZINC CHLORIDE DOUBLE SALT

Product# 54164

Synonyms: C.I. 52030; Basic Blue 24

CAS No: 6586-05-6

Formula: $C_{18}H_{22}ClN_3S \cdot 1/2ZnCl_2$



F.W.: 416.05

Appearance: Dark-brown to deep purple crystalline powder
Identification: Conforms to structure
Assay: 90.0 % minimum
Absorptivity(5ml/1 in water, 1 cm cell): ~630(591) nm
Solubility: Soluble in water and alcohol Forming a clear blue solution

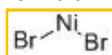
NICKEL (II) BROMIDE ANHYDROUS

Product# 54170

Synonyms: Nickel Bromate

CAS No: 13462-88-9

Formula: $NiBr_2$



F.W.: 218.53

Appearance: Yellow-brown to orange-brown To brown powder or chunks

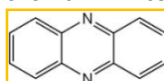
Assay (Ni): > 99.0 %
Sulfate (SO4): < 0.05%
Iron (Fe): < 0.02%
Cobalt (Co): < 0.02%
Loss on drying: < 2.50%

NIGROSIN ALCOHOL SOLUBLE C.I. 50415

Product# 54188

Synonyms: Solvent Black 5

CAS No: 11099-03-9



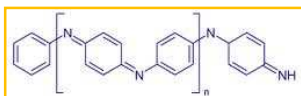
Appearance: Black Powder
Absorption max (In Ethanol): 565 nm

NIGROSIN WATER SOLUBLE C.I. 50420

Product# 54191

Synonyms: Acid Black 2

CAS No: 8005-03-6



Appearance: Black Crystalline Powder

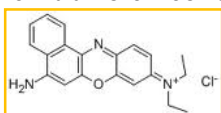
Absorption max.: 570 nm (In 50 % Ethanol)

Solubility 1 mg/ml, H₂O: Opaque black with purple cast solution**NILE BLUE CHLORIDE**

Product# 54218

Synonyms: C.I. 51180

CAS No: 2381-85-3

Formula: C₂₀H₂₀ClN₃O

F.W.: 353.85

Appearance: Black to very dark green powder

Identification: Conforms to structure and standard

Lambda max: 638 nm (in 50 % Ethanol)

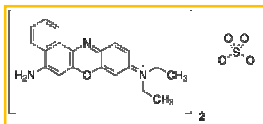
Loss on drying at 110 Deg. C / 1 hour: < 10%

Solubility: H₂O 2 mg/ml, EGME 4 mg/ml, EtOH 2 mg/ml**NILE BLUE A CERTIFIED**

Product# 54221

Synonyms: C.I. 51180; Nile Blue Sulfate

CAS No: 3625-57-8

Formula: C₄₀H₄₀N₆O₆S₂

F.W.: 732.84

Appearance: Green to greenish-black powder

Melting Point: > 300 deg. C (dec.)

Dye content: >65%

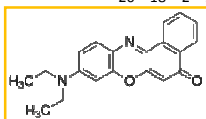
Lambda max: 633 nm (in 50 % Ethanol)

Solubility: H₂O 20 mg/ml, EGME 8 mg/ml, EtOH 3 mg/ml**NILE RED**

Product# 54227

Synonyms: Nile Blue A Oxazone; 9-diethylamino-5H-Benzo-alpha-phenoxazine-5-one

CAS No.: 7385-67-3

Formula: C₂₀H₁₈N₂O₂

F.W.: 318.38

Appearance: Brown-green crystalline powder

Lambda max.: 553 (310)nm in methanol

Melting Point: 203 °C to 205 °C

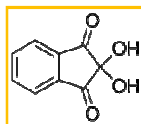
Solubility: To pass Test

NINHYDRIN ACS

Product# 54281

Synonyms: 1,2,3-Indantrione monohydrate; triketohydrindene hydrate

CAS No: 485-47-2

Formula: C₉H₆O₄

F.W.: 178.14

Appearance: White to yellowish-white to light pink To tan crystalline powder

Identification & Melting Point: Passes ACS test

Assay (HPLC): 99.0% minimum

Assay (Titration): 99.0% minimum

Loss on drying (at 105 Deg.C): < 11%

pH (10 g/l, 25 Deg. C): 4.6 – 5.6

Solubility: To Pass Test

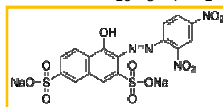
Sensitivity to Amino Acids: To Pass Test

NITRAZINE YELLOW

Product# 54310

Synonyms: 2-(2,4-Dinitrophenylazo)-1-hydroxy-naphthalene-3,6-disulfonic acid disodium salt; C.I. 14890; Nitrazol Yellow.

CAS No: 5423-07-4

Formula: C₁₆H₈N₄Na₂O₁₁S₂

F.W.: 542.36

Appearance: Brown to yellow to orange powder

Identification: Conforms to structure and standard

Dye content: 85% minimum

Lambda max.: 586nm in 0.1N sodium hydroxide

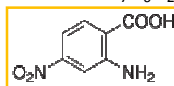
Visual Transition Interval: From pH 6.0 (bright yellow) To pH 7.2 (bright blue)

Solubility 1 mg/ml in H₂O: Clear, yellow-brown to red-brown to brown solution**4-NITROANTHRANILIC ACID**

Product# 54331

Synonyms: 4-Nitro-2-aminobenzoic acid

CAS No.: 619-17-0

Formula: C₇H₆N₂O₄

F.W.: 182.13

Appearance: Orange powder

Moisture Content: 0.5% maximum

Assay (Titration): 98.0% minimum

Melting Point: 269 - 272°C minimum

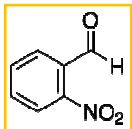
2-NITROBENZALDEHYDE, 98%

Product# 54352

Synonyms: Benzaldehyde, 2-Nitro-; o'-Nitrobenzaldehyde; 2-Nitrobenzaldehyde

CAS No.: 552-89-6

Formula: $C_7H_5NO_3$



F.W.: 151.12

Appearance: Yellow to tan or light gold crystalline powder

Assay: 98% minimum

Melting Point: 41 °C to 46 °C (lit.)

Boiling Point: 153 °C / 23 mm Hg (lit.)

Loss on drying: 0.5% maximum

Solubility 50 mg/ml EtOH: Clear yellow solution

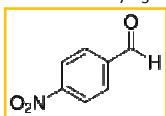
4-NITROBENZALDEHYDE

Product# 54358

Synonyms: Benzaldehyde, 4-Nitro-(9CI); p-Formylnitrobenzene;
p-Nitrobenzaldehyde; 4-Nitrobenzaldehyde

CAS No.: 555-16-8

Formula: $C_7H_5NO_3$



F.W.: 151.12

Appearance: Yellow to tan or light gold crystalline powder

Assay: 98% minimum

Melting Point: 102 °C to 106 °C

Moisture: 0.5% maximum

3-NITROBENZONITRILE

Product# 54370

Synonyms: None known

CAS No.: 619-24-9

Formula: $C_7H_4N_2O_2$



F.W.: 148.12



Appearance: Pale yellow crystalline powder

Melting Point: 115 °C to 117 °C

Assay: 98.0% minimum

Loss on drying: 0.5% maximum

2-NITROBENZYL ALCOHOL

Product# 54382

Synonyms: None known

CAS No.: 612-25-9

Formula: $C_7H_7NO_3$



F.W.: 153.14

Appearance: Pale yellow crystalline powder

Melting Point: 70 °C to 74 °C

Boiling Point: 270 °C

Assay: 98% minimum

Moisture: 0.5% maximum

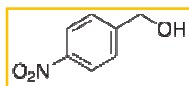
4-NITROBENZYL ALCOHOL

Product# 54388

Synonyms: Benzeneethanol, 4-Nitro-(9CI);
(Hydroxymethyl)Nitrobenzene

CAS No.: 619-73-8

Formula: $C_7H_7NO_3$



F.W.: 153.14

Appearance: Pale yellow crystalline powder

Assay: 99.0% minimum

Melting Point: 93 °C to 96 °C

Boiling Point: 185 °C

Moisture: 0.3% maximum

Solubility (50 mg/ml EtOH): Clear, faint yellow solution

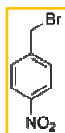
4-NITROBENZYL BROMIDE

Product# 54396

Synonyms: a'-1-Bromo-p-nitrotoluene

CAS No.: 100-11-8

Formula: $O_2NC_6H_4CH_2Br$



F.W.: 216.03



Appearance: Off-white to light yellow to beige crystalline powder

Identification: To pass test

Assay: 99.0% minimum

Melting Point: 96.0 °C to 100.0 °C

Decomposition Temperature: 125 °C

Moisture: 0.5% maximum

Label precautions: Poison, 6.1 - Lachrymator

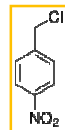
4-NITROBENZYL CHLORIDE

Product# 54399

Synonyms: a-Chloro-4-nitrotoluene

CAS No.: 100-14-1

Formula: $C_7H_6ClNO_2$



F.W.: 171.58



Appearance: Off-white to light yellow crystalline powder

I.R.: Conforms to structure and standard

Assay: 98% minimum

Melting Point: 70 - 73 °C

Solubility (5% in $CHCl_3$): Clear to very slightly hazy, faint yellow solution

NITRO BLUE TETRAZOLIUM

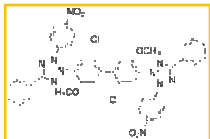
Product# 54471

Synonyms: NBT (Nitroblue tetrazolium chloride); Nitro BT

Email: dudley@dudley-chem.com

Formula: C₄₀H₃₀O₆N₁₀Cl₂

CAS No.: 298-83-9



F.W.: 817.65

Appearance: Yellow Crystalline Powder
 Identification: Positive
 Assay (HPLC): 90.0 % minimum
 Sulfated Ash: 0.3 % maximum
 Solubility (10mg/ml, H₂O): Clear yellow solution
 Melting Point: 184 deg. C minimum
 Infrared spectrum: Matches reference
 Water: 4.5 % maximum

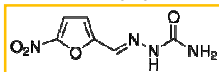
NITROFURAZONE USP

Product# 54682

Synonyms: Hydrazinecarboxamide, 2-[(5-nitro-2-furanyl)methylene]-;
 5-Nitro-2-furaldehyde semicarbazone

CAS No: 59-87-0

Formula: C₆H₆N₄O₄



F.W.: 198.14

Appearance: Yellow to yellow with a brown cast crystalline powder
 Identification A, B, C: To pass tests
 Assay (dried basis): 98.0% - 102.0%
 pH: 5.0 - 7.5
 Loss on drying(at 105 Deg. C / 1 hour): 0.5% maximum
 Residue on Ignition: 0.1% maximum
 Ordinary Impurities: To pass test
 5-nitro-2-furfuraldiazine: 0.5% maximum

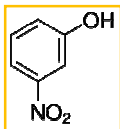
3-NITROPHENOL

Product# 54802

Synonyms: m-Nitrophenol

CAS No: 554-84-7

Formula: C₆H₅NO₃



F.W.: 139.11

Appearance: Yellow to tan crystalline powder
 Assay: 99.0% minimum
 Melting Point: 96 - 98 °C
 Boiling Point: 194 °C / 70 mm Hg
 Loss on drying: 0.5% maximum
 Visual Transition Interval: From pH 6.8 (colorless) To pH 8.6 (yellow)

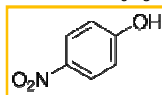
4-NITROPHENOL

Product# 54805

Synonyms: 4-Hydroxynitrobenzene; p-Nitrophenol

CAS No: 100-02-7

Formula: C₆H₅NO₃



F.W.: 139.11



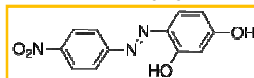
Appearance: White to yellow to tan crystalline powder
 Identification: To pass test
 Melting Point: 112 - 115 °C
 Boiling Point: 279 °C
 Assay (GC): 99.0% minimum
 Solubility(2.5% in methanol): Clear, yellow solution

4-[p-NITROPHENYLAZO] RESORCINOL Product# 55101

Synonyms: 1,3-Benzenediol, 4-((4-Nitrophenyl)azo)-, p-Diazviolet, Magneson, Magneson 1

CAS No: 74-39-5

Formula: C₁₂H₉N₃O₄



F.W.: 259.22

Appearance: Red-Orange Powder
 Lambda Max: 432 nm in Methanol
 Melting Point: 185 deg. C

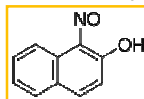
1-NITROSO-2-NAPHTHOL, 98%

Product# 55101

Synonyms: C.I. 10005; 1-Nitroso-beta-naphthol; alpha-Nitroso-beta-naphthol

CAS No: 131-91-9

Formula: C₁₀H₇NO₂



F.W.: 173.17

Appearance: Brown powder
 Identification: Conforms to structure
 Assay: 97.5 % - 102.5%
 Melting Point: 104 - 108 Deg. C
 Loss on drying: 0.5 % maximum

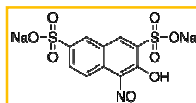
NITROSO-R-SALT

Product# 55221

Synonyms: Nitro-R-Salt; 2,7-Naphthalenedisulfonic Acid

CAS No: 525-05-03

Formula: HOC₁₀H₄(NO)(SO₃Na)₂



F.W.: 377.25

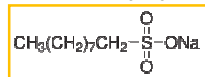
Appearance: Yellow crystalline powder
 Assay: 90.0 % minimum
 Loss on drying(at 110 Deg. C/1hr: 5.0 % maximum
 Suitable for determination of Cobalt: To Pass Test
 Solubility 0.1%(0.1N NaOH): Clear yellow solution

1-NONANESULFONIC ACID SODIUM SALT HPLC

Product# 55260

Synonyms: Nonyl Sodium Sulfonate

CAS No.: 35192-74-6

Formula: $C_9H_{19}NaO_3S$ 

F.W.: 230.3

Appearance: Fine white powder

Assay: 98 % minimum

Water: < 2.0 %

Max Absorbance: 5% in H2O

210 nm < 0.050 A.U.

220 nm < 0.030 A.U.

230 nm < 0.020 A.U.

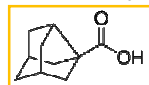
260 nm < 0.020 A.U.

500 nm < 0.020 A.U.

3-NORADAMANTANECARBOXYLIC ACID Product# 55301

Synonyms: 3-Carboxynoradamantane

CAS No.: 16200-53-6

Formula: $C_{10}H_{14}O_2$ 

F.W.: 166.22

Appearance: White crystalline powder

Identification (GC-retention time): Conforms to standard

Assay (GC): 99.0% minimum

Impurity at 17.05 min. (rel.rt=1.34): 0.30 % maximum

Other impurities: 0.10 % maximum

Melting Point: 102 °C to 107 °C

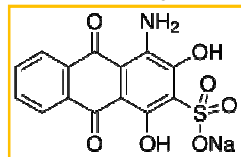
Sulfated Ash: 0.1% maximum

NUCLEAR FAST RED

Product# 55400

Synonyms: C.I. 60760; Kernechtrot; FastRed B; Nuclear Fast Red NA salt

CAS Number: 6409-77-4

Formula: $C_{14}H_8NO_7SNa$ 

F.W.: 357.28

Appearance: Dark-red to deep red-brown powder

Dye Content: Minimum 92% (area) Minimum 85% (diazot)

Chloride (Cl): Maximum 1%

Solubility: Dark red solution at 4 mg + 4 ml of H2O

1-OCTANESULFONIC ACID SODIUM SALT ANHY HPLC

Product# 57150

Synonyms: Sodium 1-Octanesulfonate

C.A.S.: 5324-84-5

Formula: $CH_3(CH_2)_7SO_3Na$ 

F.W.: 216.28

Appearance: Fine white crystalline powder

Assay (acidimetric): 98.0% Minimum

Water: 2% Maximum

Max. Absorbance (0.25 aq. Solution):

200 nm < 0.100 A.U.

210 nm < 0.050 A.U.

220 nm < 0.030 A.U.

230 nm < 0.020 A.U.

240 nm < 0.010 A.U.

250 nm < 0.010 A.U.

260 nm < 0.010 A.U.

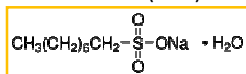
(1 cm cell v HPLC grade water)

1-OCTANESULFONIC ACID SODIUM SALT 1HY HPLC

Product# 57154

Synonyms: Sodium octane-1-sulfonate monohydrate

CAS No.: 207596-29-0

Formula: $CH_3(CH_2)_7SO_3Na \cdot H_2O$ 

F.W.: 234.28

Appearance: Fine white crystalline powder

Assay: 99% Minimum

Solubility(in water 10% solution): Clear & colorless

Water: 7.0 to 9.0 %

UV maxium absorption(1cm cell vs water):

200 nm: < 0.300 A.U.

210 nm: < 0.200 A.U.

220 nm: < 0.100 A.U.

230 nm: < 0.075 A.U.

240 nm: < 0.050 A.U.

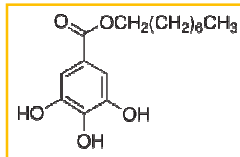
250 nm: < 0.050 A.U.

OCTYL GALLATE

Product# 57240

Synonyms: Octyl 3,4,5-Trihydroxybenzoate

CAS No: 1034-01-1

Formula: $C_{15}H_{22}O_5$ 

F.W.: 282.33

Appearance: White to off-white powder or crystals

Assay: 98% minimum

Melting Point: 98 - 102 Deg. C

Loss on drying: < 0.50%

Residue on Ignition: < 0.1%

Arsenic (As): < 0.0003%

Heavy metals (as Pb): < 0.001%

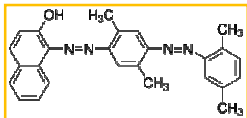
OIL RED O CERTIFIED

Product# 57376

Synonyms: Solvent Red 27; C.I. 26125

Email: dudley@dudley-chem.com

CAS No: 1320-06-5
Formula: $C_{26}H_{24}N_4O$



F.W.: 408.51

Appearance: Dark Greenish-Brown to Black to bluish-red Powder

Identification: To pass test

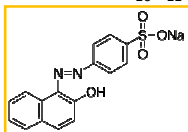
Solubility 1mg/1ml of Ethanol:Chloroform (1:1): Clear dark red solution

Dye content: $\geq 70.0\%$
Loss on drying(at 105 Deg. C/1 hr.): $< 5.0\%$
Lambda Max: 518 (359) nm (in Teluene)
Melting Point: 120 deg. C

ORANGE II CERTIFIED

Product# 57603

Synonyms: C.I. 15510
CAS No: 633-96-5
Formula: $C_{16}H_{11}N_2NaO_4S$



F.W.: 350.33

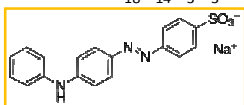
Appearance: Orange-Brown Powder
Assay: 87 % min
Lambda Max: 484 - 487 nm

ORANGE IV C.I. 13080

Product# 57620

Synonyms: 4-(4-Anilinophenylazo)benzenesulfonic acid sodium Salt, indicator grade

C.A.S.: 554-73-4
Formula: $C_{18}H_{14}N_3O_3SNa$



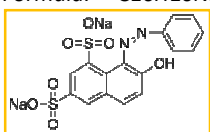
F.W.: 375.39

Appearance: Orange powder
Lambda Max: 443-447 nm
Visual Transition Interval: From pH 1.4 (red) To pH 2.6 (yellow)

ORANGE G CERTIFIED

Product# 57644

Synonyms: C.I. 16230; Acid Orange 10; Wool Orange 2G
CAS No: 1936-15-8
Formula: $C_{16}H_{10}N_2Na_2O_7S_2$



F.W.: 452.38

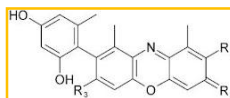
Appearance: Red-orange powder
Lambda max: 475 nm (in water)

Dye content: 80% minimum
Solubility: Soluble in water and methyl Cellosolve, Slightly soluble in ethanol.

ORCEIN CERTIFIED

Product# 58100

Synonyms: Natural Red 28
CAS No: 1400-62-0



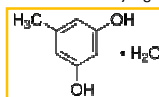
Appearance: Reddish-Brown Crystalline Powder
Solubility 0.1%(0.1N NaOH): Clear purple solution
Lambda max: 576 - 577 nm
TLC: Conforms
Suitability for microscopy: Conforms

ORCINOL MONOHYDRATE (5-METHYLRESORCINOL 1HY)

Product# 58201

Synonyms: 5-Methylresorcinol Monohydrate, 1,3-dihydroxy-5-methylbenzene, 3-Hydroxy-5-methylphenol, 5-Methyl-1,3-benzenediol, 3,5-Dihydroxytoluene

CAS No: 6153-39-5
Formula: $C_7H_8O_2 \cdot H_2O$



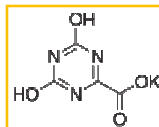
F.W.: 142.16

Appearance: White to light yellow crystals
Assay: 99.0 % minimum
Identification (IR): Passes Test
Total Impurities: 0.80% maximum
Solubility(5% in H2O): Clear, colorless to faint yellow solution
Water 10-13%

OXONIC ACID, POTASSIUM SALT

Product# 58902

Synonyms: Potassium Oxonate
CAS No.: 2207-75-2
Formula: $C_4H_2KN_3O_4$



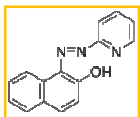
F.W.: 195.17

Appearance: White to off-white powder and/or chunks
Identification: To conform to structure
Assay: $> 97.0\%$
Melting Point: $> 300^\circ C$

1-(2-PYRIDYLAZO)-2-NAPHTHOL ACS (PAN)

Product# 61151

Synonyms: PAN; Nickel Indicator; 2-Naphthalenol, 1-(2-pyridinylazo)-
CAS No: 85-85-8
Formula: $C_{15}H_{11}N_3O$



F.W.: 249.27

Appearance: Red to Orange-red to brown crystalline powder

Identification (IR): To pass test

Loss on drying at 110 °C/1hr: <5.0%

Assay (MT): 98.0 % minimum

Melting Point 128 - 141 °C

Sulfated Ash: 0.3 % maximum

Suitability as a complexo- metric indicator: To pass test

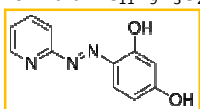
4-(2-PYRIDYLAZO)RESORCINOL FREE ACID ACS

Product# 61179

Synonyms: PAR Free Acid; 1,3-Benzonediol, 4-(2-Pyridinylazo)-

CAS No: 1141-59-9

Formula: $C_{11}H_9N_3O_2$



F.W.: 215.21

Appearance: Orange Powder

Solubility: Soluble in water Slightly soluble in ethanol Insoluble in ether and other low-polarity solvents

Clarity of Solution: To pass test

Suitability as a complexo- metric indicator (Pb): To pass test

Loss on drying at 110 Deg.C/1hr: <5.0%

Absorptivity 1%/1cmAt Lambda max. : 403.0 nm

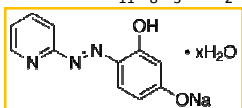
4-(2-PYRIDYLAZO)RESORCINOL MONOSODIUM SALT ACS

Product# 61182

Synonyms: P.A.R.

CAS No: 16593-81-0

Formula: $C_{11}H_8N_3NaO_2$



F.W.: 237.21

Appearance: Dark-Orange to Brown Powder

Lambda max.: 411nm in methanol

Solubility: Soluble in water Slightly soluble in ethanol Insoluble in ether

and other low-polarity solvents

Clarity of Solution: To pass test

Suitability as a complexo- metric indicator (Pb): To pass test

PARAROSANILINE BASE

61185

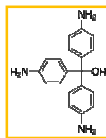
Product#

Synonyms: Rosaniline Base

CAS No: 467-62-9

Formula: $C_{19}H_{19}N_3O$

DUDLEY CHEMICAL



F.W.: 305.37

Appearance: Purple to reddish-brown crystalline powder

Dye content: > 95%

Water: < 5%

Solubility(1 mg/ml 95% ethanol): Clear to hazy, pink to red to purple solution

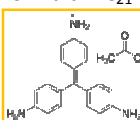
PARAROSANILINE ACETATE CERTIFIED

Product# 61188

Synonyms: C.I. 42500

CAS No: 6035-94-5

Formula: $C_{21}H_{21}N_3O_2$



F.W.: 347.42

Appearance: Dark Maroon Powder

Melting Point: 203 deg. C

Lambda Max: 545 nm in 50 % Ethanol

Dye Content: 85 % minimum

PARAROSANILINE HYDROCHLORIDE CERT. C.I. 42500

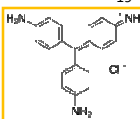
Product# 61192

Synonyms: Basic Red 9; Magenta O; Parafuchsin HCl;

Paramagenta HCl

CAS No: 569-61-9

Formula: $C_{19}H_{17}N_3 \cdot HCl$



F.W.: 323.82

Appearance: Green crystalline powder

Assay: 88 % maximum

Melting Point: 268 - 270 deg. C

Solubility1 mg/ml, EtOH: Clear, dark red solution

Lambda max.: 544nm in 50% ethanol

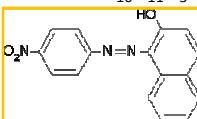
PARA RED

Product# 61198

Synonyms: Pigment Red 1; C.I. 12070; 1-(4-Nitrophenylazo)-2-naphthol

CAS No: 6410-10-2

Formula: $C_{16}H_{11}N_3O_3$



F.W.: 293.28

Appearance: Red powder

Dye Content: ~95 %

Loss on drying: < 5%

Melting Point: 248 - 252 deg. C

Solubility0.1% in toluene: Clear to slightly hazy red to orange solution

Lambda max.: 488nm in toluene

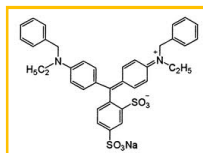
PATENT BLUE A

Product# 61208

Synonyms: Acid Blue 7; C.I. 42080

CAS No.: 3486-30-4

Formula: $C_{37}H_{35}N_2NaO_6S_2$



F.W.: 690.82

Appearance: Maroon Powder

Lambda Max 1%E 1 cm 874: 637 nm

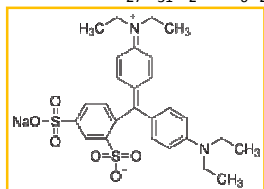
PATENT BLUE V F (C.I. 42045)

Product# 61210

Synonyms: Disulphine Blue; Sulphan Blue; Acid Blue 1

CAS No: 129-17-9

Formula: $C_{27}H_{31}N_2NaO_6S_2$



F.W.: 566.68

Appearance: Dark bluish-green to violet powder

Solubility: Soluble in alcohol

Lambda max: 635 - 640 nm

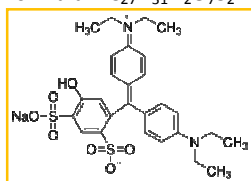
PATENT BLUE V

Product# 61216

Synonyms: Acid Blue 3, Food Blue 5; Acidal Camine V; Blue ZN 3

Color Index: C.I. 42051

Formula: $C_{27}H_{31}N_2O_7S_2Na$



F.W.: 582.7

Appearance: Dark blue powder

Dye content: > 85.0 %

Subsidiary dyes: < 2.0%

Water-Insoluble Matter: < 0.2%

Leuco Base: < 4.0%

Combined Ether Extract: < 0.2%

Arsenic: < 3 mg/kg

Heavy metals (as Pb): < 40 mg/kg

Lead (Pb): < 10 mg/kg

Mercury (Hg): < 1 mg/kg

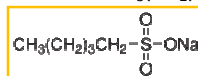
1-PENTANESULFONIC ACID SODIUM SALT ANHYDROUS HPLC

Product# 61250

Synonyms: n-Amylsulfonic Acid, sodium salt; Sodium Pentane-1-sulfonate monohydrate

CAS No.: 22767-49-3

Formula: $CH_3(CH_2)_4SO_3Na$



F.W.: 174.20

Appearance: Fine white crystalline powder

Assay: 98% minimum

Water: < 2%

Maximum Absorbency (0.25m aq.) (1cm cell vs. HPLC water)

200 nm	<0.100 A.U.
210 nm	<0.050 A.U.
220 nm	<0.040 A.U.
230 nm	<0.030 A.U.
240 nm	<0.010 A.U.
250 nm	<0.010 A.U.
260 nm	<0.010 A.U.

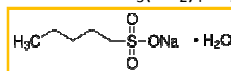
1-PENTANESULFONIC ACID SODIUM SALT 1HY HPLC

Product# 61255

Synonyms: Sodium 1-Pentanesulfonate Hydrate, N-Amylsulfonic acid sodium say monohydrate

CAS No.: 207605-40-1

Formula: $CH_3(CH_2)_4SO_3Na \cdot H_2O$



F.W.: 174.12

Appearance: Fine white crystalline Powder

Assay: 98% minimum

Solubility (10% aq. Sol.): 7.0 to 9.0%

UV Absorbance(0.25 M aq. solution):	200 nm	<0.300 A.U.
	210 nm	<0.200 A.U.
	220 nm	<0.100 A.U.
	230 nm	<0.075 A.U.
	240 nm	<0.050 A.U.
	250 nm	<0.050 A.U.
	260 nm	<0.040 A.U.

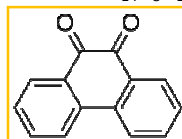
PHENANTHRENEQUINONE

Product# 62202

Synonyms: 9,10-Phenanthraquinone

CAS No.: 84-11-7

Formula: $C_{14}H_8O_2$



F.W.: 208.22

Appearance: Burnt-Orange Powder

Assay: 99.0 % minimum

Melting Point: 208 - 211 deg. C

Lambda max.: 420nm in benzene 270nm in chloroform

Solubility: Virtually insoluble in water. Soluble in benzene, ether, glacial Acetic acid and hot ethanol.

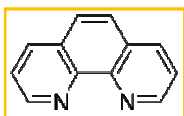
1,10-PHENANTHROLINE ANHYDROUS

Product# 62238

Synonyms: o-Phenanthroline

CAS No: 66-71-7

Formula: $C_{12}H_8N_2$



F.W.: 180.20



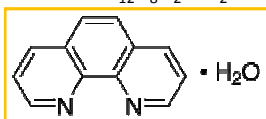
Appearance: White to Off-White Powder
 Assay: 99.0 % minimum
 Melting Point: 114 - 117 deg C
 Solubility: 1gm in 10ml of Ethanol is clear and colorless
 Moisture: 0.4 %
 Sulfated Ash: 0.04 %

1,10-PHENANTHROLINE 1HY ACS

Product# 62242

Synonyms: o-Phenanthroline monohydrate; 4,5—Phenanthroline monohydrate

CAS No: 5144-89-8

Formula: $C_{12}H_8N_2 \cdot H_2O$ 

F.W.: 198.22

Appearance: White needle-like crystals, Becoming cream-colored in Storage

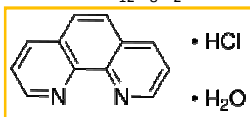
Melting Point: >98 Deg. C
 Suitability as redox indicator: To Pass Test
 Suitability for determining iron: To Pass Test
 Solubility (1 gm in 10ml ethanol): Clear and colorless
 Assay (dry basis): >99.0

1,10-PHENANTHROLINE 1HCL 1HY ACS

Product# 62246

Synonyms: o-Phenanthroline; 1,10-Phenanthroline hydrochloride; Phenanthroline hydrochloride

CAS No.: 3829-86-5

Formula: $C_{12}H_8N_2$ 

F.W.: 234.69

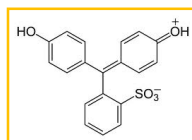
Appearance: White crystals
 Melting Point: 224 °C to 225 °C
 Assay: 97% minimum
 Solubility 100 mg/ml, H2O: Clear, colorless solution

PHENOL RED FREE ACID ACS

Product# 62272

Synonyms: Phenolsulfonephthalein

CAS No: 143-74-8

Formula: $C_{19}H_{14}O_5S$ 

F.W.: 354.38

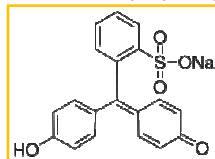
Appearance: Bright Red to Dark Red Powder
 Loss on drying At 110 Deg. C / 1 hour: 5% maximum
 Lambda Max: 557 (360) nm in water + 20 ml boric buffer, pH 9)
 Clarity of solution: To Pass Test
 Visual transition Interval: From pH 6.8 (yellow) To pH 8.2 (red)
 Solubility: Slightly soluble in water, somewhat more soluble in methanol, ethanol and acetic acid and readily soluble in alkaline solutions.

PHENOL RED SODIUM SALT ACS

Product# 62277

Synonyms: Phenolsulfonephthalein Sodium

CAS No: 34487-61-1

Formula: $C_{19}H_{13}NaO_5S$ 

F.W.: 376.36

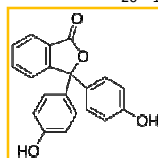
Appearance: Dark-red to brownish-red powder
 Identification (IR): To pass test
 Loss on drying: < 5%
 Clarity of solution: To pass Test
 Lambda Max: 423 nm in Methanol
 Melting Point: 285 deg. C
 Visual transition Interval: From pH 6.8 (yellow) to pH 8.2 (red)

PHENOLPHTHALEIN WHITE ACS

Product# 62300

Synonyms: 3,3-bis(p-hydroxyphenyl)phthalide; 3,3-bis(4-hydroxyphenyl)-1(3H)-isobenzofuranone

CAS No: 77-09-8

Formula: $C_{20}H_{14}O_4$ 

F.W.: 318.33

Appearance: White to off-white crystalline powder
 Identification A,B: To pass tests
 Melting Point: 258-263 Deg. C
 Clarity of alcohol solution: To Pass Test
 Visual transition Interval: pH 8.0 (colorless) to pH 10.0 (red)
 Assay: 97.0-101.0%
 Loss on drying: 1.0 % maximum
 Residue on Ignition: 0.1 % maximum
 Arsenic (As): 8 ppm maximum.
 Heavy metals (as Pb): 0.0015% maximum
 Organic Volatile Impurities: To Pass Test
 Chromatographic Impurity: <1.0%
 Fluoran: To Pass Test

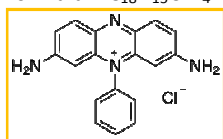
PHENOSAFRANIN

Product# 62320

Synonyms: C.I. 50200; 3,7-Diamino-5-phenylphenazinium chloride; Phenosafranine; Chloride; Phenosafranine; Safrinin B Extra

CAS No.: 81-93-6

Formula: $C_{18}H_{15}ClN_4$



F.W.: 322.80

Appearance: Green crystalline powder

Melting Point: >300 °C

Absorptivity 1%, 1cm at Lambda max. 529.5nm: 1500

Dye content: ~80%

Solubility (0.1% (water): Clear reddish orange solution

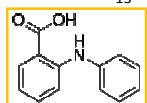
4-PHENYLANTHRANILIC ACID

Product# 62334

Synonyms: Diphenylamine-2-carboxylic acid

CAS No: 91-40-7

Formula: $C_{13}H_{11}NO_2$



F.W.: 213.24

Assay: 98 % Minimum

Appearance: Light Yellow to Brown Powder

Melting Point: 183 - 188 deg. C

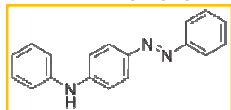
4-(PHENYLAZO)DIPHENYLAMINE

Product# 62334

Synonyms: 4-Benzeneazodiphenylamine

CAS No.: 101-75-7

Formula: $C_{18}H_{15}N_3$



F.W.: 273.34

Appearance: Orange to orange-brown powder

Assay: 97.0% minimum

Lambda max.: 411(272) nm in ethanol

Melting Point: 89 °C to 91 °C

Solubility: Insoluble in water. Soluble in ethanol and methanol.

Visual Transition Interval: From pH 1.2 (red) To pH 2.5 (yellow)

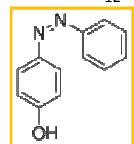
4-PHENYLAZOPHENOL

Product# 62335

Synonyms: 4-Hydroxyazobenzene; Solvent Yellow 7; C.I. 11800

CAS No.: 1689-82-3

Formula: $C_{12}H_{10}N_2O$



F.W.: 198.2

Appearance: Yellow to gold powder

Assay: 98% minimum

Lambda max.: 347nm in methanol

Melting Point: 150 °C to 152 °C (lit.)

Solubility 1 mg/ml. EtOH: Clear, dark yellow solution

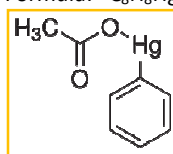
PHENYLMERCURIC ACETATE NF

Product# 62340

Synonyms: PMA

CAS No: 62-38-4

Formula: $C_8H_8HgO_2$



F.W.: 336.74



Appearance: White, crystalline powder; sensitive to light

Identification: Passes Test

Residue on Ignition: 0.2 % max

Mercuric Salts & Heavy metals: Passes Test

Polymers of benzene Compounds: 1.5 % maximum

Melting Range: 149 - 153 deg. C

Assay: 98 - 100.5 %

Organic Volatile impurities: Passes Test

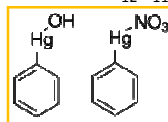
PHENYLMERCURIC NITRATE NF

Product# 62370

Synonyms: Mercury, Hydroxy(Nitrato)diphenyldi-

CAS No: 55-68-5 (N.F.) / 8003-05-2

Formula: $C_{12}H_{11}Hg_2NO_4$



F.W.: 634.40



Appearance: White to off-white, odorless powder. Sensitive to light.

Identification A, B, C: To Pass Tests

Residue on Ignition: 0.1% maximum

Mercury Ions: To Pass Test

Phenylmercuric Ions: 87.0 - 87.9 %

Mercury (Hg): 62.75 - 63.50 %

Organic Volatile Impurities: To Pass Test

Residual Solvents: To Pass Test

Solubility: Soluble in approximately 1500 parts of water and approximately 1000 parts of Ethyl Alcohol at boiling temperature, more easily soluble in Glycerol, diluted Nitric Acid and diluted Alkali Hydroxides.

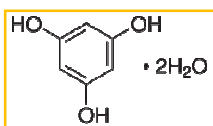
PHLOROGLUCINOL DIHYDRATE

Product# 62382

Synonyms: None known

CAS No: 6099-90-7

Formula: $C_6H_3(OH)_3 \cdot 2H_2O$



F.W.: 162.14

Appearance: White to yellowish white crystalline powder
 Identification: Positive
 Assay (on dry basis): 98 % minimum
 Residue on Ignition: 0.20% maximum
 Moisture: 21.50% maximum
 Melting Point: 217 - 220 deg. C

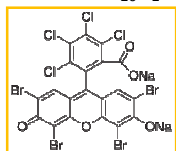
PHLOXINE B CERTIFIED

Synonyms: Phloxine B Certified; C.I. 45410; Nuclear Stain; Acid Red 92;
 Eosin 10B; D&C Red 28; Cyanosine; Eosin Blue; Fluorescein
 2',4',5',7'-tetrabromo-4,5,6,7-tetrachloro-disodium

salt

CAS No: 18472-87-2

Formula: $C_{20}H_2O_5Br_4Cl_4Na_2$



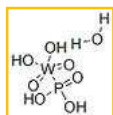
F.W.: 829.66

Appearance: Brick-Red Powder
 Dye content: > 80.0%
 Loss on drying: <10 %
 Lambda Max: 548 (510) nm in 50 % Ethanol
 Solubility 0.1% (in distilled Water – 1 ml 1% Na2CO3): Clear solution
 Visual Transition Interval: From pH 1.1 (colorless) To pH 3.3 (purple)

PHOSPHOTUNGSTIC ACID, HYDRATE

Product# 62420

Synonyms: Phosphowolframic Acid; tungstophosphoric Acid
 CAS No.: 12501-23-4
 Formula: $H_3PO_4 \cdot 12WO_3 \cdot xH_2O$



F.W.: 2880.17



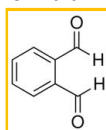
Appearance: Off-White to pale yellow crystalline powder, Turning yellow on exposure to light

Assay (with Cinchonine): 65.0% to 75.0%
 Insoluble Matter: 0.020% maximum
 Chloride (Cl): 0.030% maximum
 Nitrate (NO3): 0.010% maximum
 Sulfate (SO4): 0.020% maximum
 Ammonium(NH4): 0.005% maximum
 Heavy Metals (as Pb): 0.005% maximum
 Iron (Fe): 0.002% maximum

o-PHTHALALDEHYDE

Product# 62431

Synonyms: 1,2-Benzenedicarboxaldehyde; o-Phthaldialdehyde;
 Phthalicaldehyde; 2- Formylbenzaldehyde; 1,2-Benzenedialdehyde
 CAS No: 643-79-8
 Formula: $C_8H_4(CHO)_2$



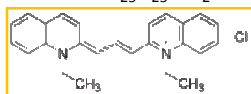
F.W.: 134.13

Appearance: Yellow to orange fine crystals
 Identification: To pass test
 Melting Point: 54-55 deg. C
 Assay (GC): >99.0 %
 Water (K.F.): <0.5 %
 Free Acid (as Phthalic Acid): <0.3%
 Solubility (10 % in Methanol): Clear, colorless solution

PINACYANOL CHLORIDE

Product# 62445

Synonyms: Quinaldine Blue
 CAS No: 2768-90-3
 Formula: $C_{25}H_{25}ClN_2$



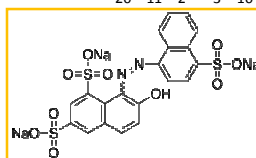
F.W.: 388.94

Appearance: Olive-Green to Green Black Crystalline Powder
 Solubility: 1 mg/ml H2O opaque solution
 Infrared Spectrum: Conforms to Standard
 UV-Visible Spectrum 0.001 G/L, Ethanol: E(606NM +/- 3NM) = > 170,000
 E(562NM +/- 3NM) = > 75,000

PONCEAU 4R

Product# 63495

Synonyms: Acid Red 18; C.I. 16255; New Coccine
 C.A.S.: 2611-82-7
 Formula: $C_{20}H_{11}N_2Na_3O_{10}S_3$



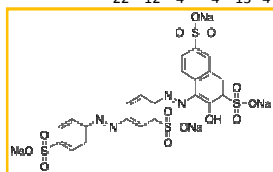
F.W.: 604.48

Appearance: Red to dark red to brown powder
 Dye content: 75% minimum
 Water-insoluble matter: 0.2%
 Heavy metals (as Pb): 40.0 mg/kg maximum
 Arsenic (As): 3.0 mg/kg maximum
 Solubility (1mg/ml H2O): Clear, red to dark red solution
 Subsidiary dyes: 1.0% maximum

PONCEAU S ELECTROPHORESIS

Product# 63502

Synonyms: Acid Red 112; C.I. 27195; Fast Ponceau 2B
 C.A.S.: 6226-79-5

Formula: $C_{22}H_{12}N_4Na_4O_{13}S_4$ 

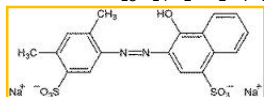
F.W.: 760.58

Appearance: Red-brown to dark-brown powder
 Identification: To pass Test
 Lambda Max: ~520 (352)nm in water
 Dye content: > 80%
 Loss on drying: < 10%
 Solubility: Readily soluble in water to give a clear red solution.

PONCEAU SX

Product# 63550

Synonyms: F D & C Red 4
 C.A.S.: 4548-53-2
 Formula: $C_{18}H_{14}N_2Na_2O_7S_2$



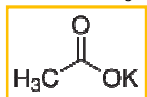
F.W.: 480.41734

Appearance: Light Red Fine powder
 Dye content: 87% min.
 Loss on drying: < 10%
 Water Insoluble Matter: 0.20% max.
 5 Amino-2-4 Dimethyl-1-Benzene-6-sulphonic Acid: 0.20% max.
 4-Hydroxy 1-1-Naphthalene Sulphonic Acid: 0.20% max.
 Subsidiary Colors: 2.0% max.
 Lead: 10 mg/kg max.
 Arsenic: 3.0 mg/kg max.
 Mercury: 1.0 mg/kg max.
 Bulk Density: 0.30 g/cc
 Sum of Volatile matter at 135°C & Chlorides & Sulphates (as Sodium Salt): 13% max.

POTASSIUM ACETATE ACS

Product# 63560

Synonyms: Acetic Acid, potassium salt
 CAS No.: 127-08-2
 Formula: CH_3COOK



F.W.: 98.14

Appearance: White to colorless crystalline powder With faint odor of acetic acid, hygroscopic
 Assay: ≥ 99.0 %
 pH of 5 % solution: 6.5 - 9.0 @ 25 deg. C
 Insoluble Matter: 0.005 % maximum
 Chloride (Cl): 0.003 % maximum
 Phosphate (PO4): 0.001 % maximum
 Sulfate (SO4): 0.002 % maximum
 Heavy Metals (as Pb): 5 ppm maximum
 Iron (Fe): 5 ppm maximum
 Calcium (Ca): 0.005 % maximum
 Magnesium (Mg): 0.002 % maximum
 Sodium (Na): 0.03 % maximum

POTASSIUM BROMIDE ACS

Product# 63600

Synonyms: Bromide salt of potassium
 CAS No: 7758-02-3
 Formula: KBr

KBr

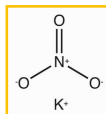
F.W.: 119.00

Appearance: White crystalline powder
 Assay: ≥ 99 %
 pH of a 5% solution: 5.0 - 8.8 @ 25 °C
 Insoluble matter: 0.005 % maximum
 Bromate (BrO3): 0.001 % maximum
 Iodate(IO3): 0.001 % maximum
 Chloride (Cl): 0.2 % maximum
 Iodide (I): 0.001 % maximum
 Nitrogen Compounds(as N): 0.005 % maximum
 Sulfate (SO4): 0.005 % maximum
 Barium (Ba): 0.002 % maximum
 Heavy Metals (as Pb): 5 ppm maximum
 Iron (Fe): 5 ppm maximum
 Calcium (Ca): 0.002 % maximum
 Magnesium (Mg): 0.001 % maximum
 Sodium (Na): 0.020 % maximum

POTASSIUM NITRATE ACS

Product# 63770

Synonyms: Saltpeter; Niter; Nitric acid, potassium salt; Vickniter
 CAS No: 7757-79-1
 Formula: KNO_3



F.W.: 101.10

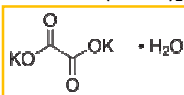


Appearance: Colorless white crystalline powder
 Assay: 99.0 % minimum
 pH of a 5% solution: 4.5 - 8.5 @ 25 deg. C
 Insoluble matter: 0.005 % maximum
 Chloride (Cl): 0.002 % maximum
 Iodate (IO3): 5 ppm maximum
 Nitrite (NO2): 0.001 % maximum
 Phosphate (PO4): 5 ppm maximum
 Sulfate (SO4): 0.003 % maximum
 Heavy Metals (as Pb): 5 ppm maximum
 Iron (Fe): 3 ppm maximum
 Calcium (Ca): 0.005% maximum
 Magnesium (Mg): 0.002% maximum
 Sodium (Na): 0.005% maximum

POTASSIUM OXALATE MONOHYDRATE ACS

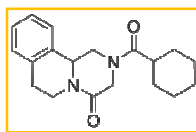
Product# 63797

Synonyms: Oxalic Acid Potassium Salt Monohydrate
 CAS No: 6487-48-5
 Formula: $(COOK)_2 \cdot H_2O$



F.W.: 184.23

Appearance: White crystalline powder
 Assay: 98.5% - 101.0%
 Substances darkened by hot Sulfuric acid: Passes Test
 Neutrality: Passes Test
 Insoluble Matter: < 0.01%
 Chloride (Cl): < 0.002%
 Sulfate (SO₄): < 0.01%
 Ammonium (NH₄): < 0.002%
 Heavy Metals (as Pb): < 0.002%
 Iron (Fe): < 0.001%
 Sodium (Na): < 0.02%



F.W.: 312.41

Appearance: White crystalline powder
 Identification: Consistent with IR spectrum for Reference Standard
 Assay (dried bases): 98.5% - 101.0%
 Melting Point: 136°C - 142°C
 Loss on drying: < 0.5%
 Residue on Ignition: < 0.1%
 Phosphate: < 0.05%
 Heavy metals: < 0.002%
 Related substances: A: <0.2% B: <0.2% C: <0.2%
 Organic residual solvent: Ethanol <5000 ppm, Chloroform <60 ppm

POTASSIUM PERIODATE META ACS Product# 63800

Synonyms: Potassium meta-periodate; Periodic acid, potassium salt
 CAS No: 7790-21-8
 Formula: KIO₄



F.W.: 230.00



Appearance: White granular powder
 Assay (dried basis): 99.8 - 100.3 %
 Loss on drying: 0.10% maximum
 Other halogens (as Cl): 0.01 % maximum
 Manganese (as Mn): 1 ppm maximum
 Aqueous solubility: 0.42 g in 100 ml at 20 deg. C
 Sulfate (SO₄): 0.01% maximum

POTASSIUM THIOCYANATE ACS Product# 63812

Synonyms: Potassium rhodanide
 CAS No: 333-20-0
 Formula: CKNS



F.W.: 97.18 g/mol

Appearance: Colorless to White crystalline powder
 Identification: Conforms to Structure
 Assay (Titration by AgNO₃): ≥ 98.5%
 Melting Point: 173°C
 Insoluble Matter: ≤ 0.005%
 Chloride: ≤ 0.005%
 Iron (Fe): ≤ 2 ppm
 Heavy metals (as Pb): ≤ 5ppm
 Iodide Consuming Substances: To Pass Test
 Sodium (Na): ≤ 0.005%
 Ammonium (NH₄): ≤ 0.003%
 pH of a 5% solution at 25°C: 5.3-8.7

PRAZIQUANTEL USP Product# 63825

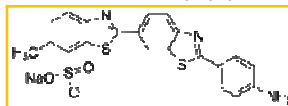
Synonyms: 2-(Cyclohexylcarbonyl)-1,2,3,6,7-11b-hexahydro-4H-pyrazino(2,1a)isoquinolin-4-one
 CAS No: 55268-74-1
 Formula: C₁₉H₂₄N₂O₂

PRIMULIN C.I. 49000

Product# 63850

Synonyms: C.I. 49000; Direct Yellow 59; Primuline Yellow; Thioflavine S

CAS No: 8064-60-6
 Formula: C₂₁H₁₄N₃O₃S₃Na



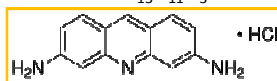
F.W.: 475.53

Appearance: Yellow to yellow-gold to orange to light brown powder and/or crystals
 Identification: Conforms to structure and standard
 Assay: 50 % minimum
 Melting Point: > 300 Deg. C
 U.V. Absorption (in H₂O): Lambda max. 345 - 355 nm
 Solubility(1 mg/ml in Methanol): Clear to very slightly hazy yellow to yellow-green solution

PROFLAVINE HCL

Product# 63879

Synonyms: 3,6-Diaminoacridine HCL
 CAS No.: 952-23-8
 Formula: C₁₃H₁₁N₃ · HCl



Appearance: Red-Brown Powder
 Assay: 98% Minimum
 Solubility: To pass test
 pH of Saturated Solutions: 6 to 8
 Loss on drying(105 Deg. C For 1 HR): 6.5% Maximum

Residue on Ignition: 1.5% Maximum

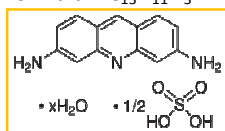
PROFLAVINE HEMISULFATE

Product# 63881

Synonyms: 3,6-Diaminoacridine hemisulfate, 98%; 3,6-Acridinediamine,

sulfate (2:1); Acridine, 3,6-diaminosulfate (2:1)

CAS No: 1811-28-5

Formula: $C_{13}H_{11}N_3$ 

F.W.: 258.29

Appearance: Orange to Brown to Red Powder

Assay (Dry Bases): 98% minimum

Infrared Spectrum: Conforms to Structure

Residue on Ignition: 1.0% maximum

Loss on drying: 6.5% maximum

pH of saturated solution: 6 to 8

Solubility: Soluble in water, more soluble in hot water, soluble in Glycerine

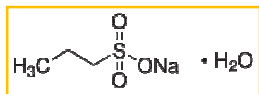
1-PROPANESULFONIC ACID SODIUM SALT HPLC

Product# 63911

Synonyms: 1-Propanesulfonic Acid Sodium Salt Anhydrous

Formula: $CH_3CH_2CH_2SO_3Na$

C.A.S.: 14533-63-2



F.W.: 164.16

Appearance: White Powder, Fibrous powder or flakes

Assay (acidimetric): 99.0 %

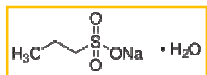
Melting Point: 250 deg. C

1-PROPANESULFONIC ACID SODIUM SALT 1HY HPLC

Product# 63913

Synonyms: None known

CAS No.: 304672-01-3

Formula: $C_3H_7O_3SNa \cdot H_2O$ 

F.W.: 164.16

Appearance: White crystalline powder

Assay: 98% minimum

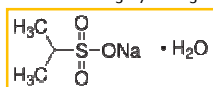
Melting Point: > 250 C

2-PROPANESULFONIC ACID SODIUM SALT 1HY HPLC

Product# 63915

Synonyms: Sodium Propane-2-sulfonate

C.A.S.: 5399-58-6

Formula: $C_3H_7NaO_3S \cdot H_2O$ 

F.W.: 164.16

Assay (acidimetric): 98% Minimum

Max. Absorbance (0.25 aq. Solution):

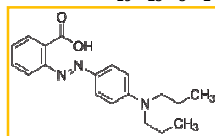
230 nm	<0.05 A.U.
240 nm	<0.03 A.U.
250 nm	<0.02 A.U.
260 nm	<0.02 A.U.
270 nm	<0.02 A.U.

MPROPYL RED

Product# 64200

Synonyms: 2-(4(Dipropylamine)phenylazo)-Benzoic Acid

CAS No.: 2641-01-2

Formula: $C_{19}H_{23}N_3O_2$ 

F.W.: 325.41

Appearance: Reddish crystalline powder

Identification: To pass test

Melting Point: 173.5 °C to 175 °C

Visual Transition Interval: From pH 4.6 (red) To pH 6.6 (yellow)

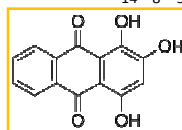
Clarity of Solution(0.1 g/100 ml - Ethanol): Clear, red solution

PURPURIN

Product# 64701

Synonyms: 9,10-Anthracenedione, 1,2,4-Trihydroxy-, C.I. 1027, c.I. 75410 Hydroxylizaric Acid, C.I. No.: 58205

CAS No.: 81-54-9

Formula: $C_{14}H_8O_5$ 

F.W.: 256.22

Appearance: Dark-red to orange-brown powder

Melting Point: 253 °C to 256 °C

Lambda max: 485(521) in methanol

Dye content: ~90%

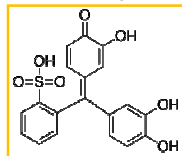
Solubility (1mg/ml NH4OH): Red to very dark red to purple solution

PYROCATECHOL VIOLET

Product# 64825

Synonyms: Pyrocatechol Sulfonphthalein; 1,2-Benzenediol

CAS No: 115-41-3

Formula: $C_{19}H_{14}O_7S$ 

F.W.: 386.38

Appearance: Dark Green Powder

Lambda Max: 441 nm in Methanol

Residue on Ignition: 0.4% maximum

Suitability as Indicator for Complexometry: To pass test

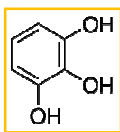
PYROGALLOL

Product# 64847

Synonyms: 1,2,3-Benzenetriol; 1,2,3-Trihydroxybenzen; 1,2,3-Trihydroxybenzene, Pyrogallol acid

CAS No.: 87-66-1

Formula: $C_6H_3(OH)_3$



F.W.: 126.11

Appearance: White powder; may become grayish on Exposure to air and light

Assay: 99.8% minimum
Melting Point: 131.0 °C to 135.0 °C
Residue after Ignition: 0.005% maximum
Chloride (Cl): 0.001% maximum
Sulfate (SO₄): 0.005% maximum
Heavy metals (as Pb): 5 ppm maximum
Iron (Fe): 0.001% maximum
Boiling Point: 309 °C
Label Precautions: Air & Light sensitive

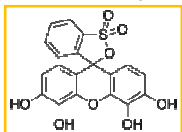
PYROGALLOL RED

Product# 64854

Synonyms: Pyrogallolsulfonephthalein

CAS No: 32638-88-3

Formula: C₁₉H₁₂O₈S



F.W.: 400.37

Appearance: Dark red to dark green to brown or black powder
Identification (IR): Conforms to standard
Melting Point: ≥ 300 °C
Lambda Max: 480 (282) nm in Ethanol
Sulfated Ash: 0.5% maximum
Suitable as Metal Indicator: To pass test
Solubility: H₂O 1 mg/ml, EGME 3 mg/ml, EtOH 4 mg/ml

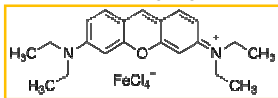
PYRONIN B CERTIFIED

Product# 64922

Synonyms: C.I. 45010

CAS No: 2150-48-3

Formula: C₄₂H₅₄Cl₈Fe₂N₄O₂



F.W.: 1042.28

Appearance: Dark green crystals
Identification: Conforms to structure and standard
Dye content: 30% minimum
Lambda Max: 553nm in Ethanol
Melting Point: 174 - 176 Deg. C
Solubility: Soluble in water, ethylene glycol, methyl acetate and ethyl acetate; slightly soluble in the lower alcohols and methyl Cellosolve.

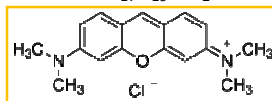
PYRONIN Y CERTIFIED

Product# 64930

Synonyms: C.I. 45005; Pyronin G; Methyl pyronin; Tetramethyl pyronin

CAS No: 92-32-0

Formula: C₁₇H₁₉ClN₂O



F.W.: 302.80

Appearance: Green crystalline powder
Identification: To pass test
Melting Point: 250 - 260 Deg. C
Lambda Max: 548 (254)nm in 50% Ethanol
Dye content: ~ 50%
Solubility: H₂O 30 mg/ml, EGME 9 mg/ml, EtOH 3 mg/ml

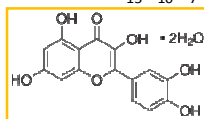
QUERCETIN DIHYDRATE

Product# 68100

Synonyms: 2-(3,4-Dihydroxyphenyl)-3,5,7-trihydroxy-4H-1-benzopyran-4-one dihydrate; 3,3',4',5,7-Pentahydroxyflavone dihydrate

CAS No: 6151-25-3

Formula: C₁₅H₁₀O₇·2H₂O



F.W.: 338.27



Appearance: Yellow to yellow with a green to brown cast powder
Assay (HPLC): > 98 %
Loss on drying: 9.5% - 12.5%
Melting Point: > 300 Deg. C
Residue on ignition: <0.2%
Solubility: Dark red solution at 200 mg plus 4 ml of 1M Sodium Hydroxide

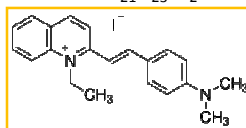
QUINALDINE RED

Product# 68150

Synonyms: 2-(p-Dimethylaminophenylethylene)quinolineethiodide

CAS No.: 117-92-0

Formula: C₂₁H₂₃IN₂



F.W.: 430.33

Appearance: Dark green to black powder
Identification: Conforms to structure and standard
Lambda max: 528nm in ethanol
Dye content: ~95%
Solubility (0.1% in ethanol): Clear dark red to purple solution
Visual Transition Interval: From pH 1.4 (colorless) To pH 3.2 (red)

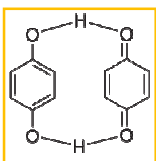
QUINHYDRONE 97%

Product# 68182

Synonyms: Hydroquinine: Benzoquinine 1:1 Complex

CAS No.: 106-34-3

Formula: C₆H₆O₂ C₆H₄O₂

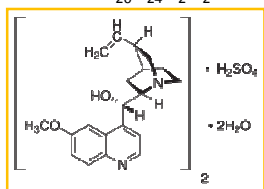


F.W.: 218.21

Appearance: Green to Olive Green Metallic to Dark Green Powder
 Melting Point: 167° C – 172° C
 Carbon: 63.7% - 68.4%
 Assay (HPLC): ≥ 96.5% as approximately 1:1 ratio of Hydroquinine & Benzoquinine

QUINIDINE SULFATE DIHYDRATE Product# 68192

Synonyms: 6'-Methoxycinchonan-9-ol sulfate
 CAS No.: 6591-63-5
 Formula: $C_{20}H_{24}N_2O_2$



F.W.: 782.96

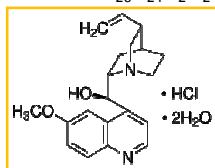
Appearance: Fine, white, crystalline powder, odorless; darkens on exposure to light

Assay: 99.0% to 101.0%
 Water: 4.0% to 5.5%
 Residue on Ignition: 0.1% maximum
 Heavy metals: 0.001% maximum
 Chloroform-alcohol-insoluble substances: 0.1% maximum
 Chromatographic Purity: To pass test
 Organic Volatile impurities: To pass test
 Specific Optical Rotation: +275 Deg. To +288 Deg.
 Limit of dihydroquinidine Sulfate: 20.0% maximum

QUININE MONOHYDROCHLORIDE DIHYDRATE

Product# 68222

Synonyms: None known
 CAS No.: 6119-47-7
 Formula: $C_{20}H_{24}N_2O_2 \cdot HCl \cdot 2H_2O$



F.W.: 396.9

Appearance: White to off-white odorless, crystalline powder
 Identification A,B,C: Positive
 pH: 6.0 – 6.8
 Water: <10.0%
 Residue on Ignition: 0.15% maximum
 Assay (on dry basis): 90.0% minimum
 Specific Rotation (20mg/ml in 0.1N HCl): -247 - -252 °C
 Barium (Ba): To Pass test
 Sulfate (SO4): To Pass test
 Chloroform-alcohol insoluble Substances: To Pass test

DUDLEY CHEMICAL

Other cinchona Alkaloids: To Pass test
 Readily carbonizable substances: To Pass test
 Solubility: Soluble in water, freely soluble in alcohol
 Appearance of solution: To Pass test

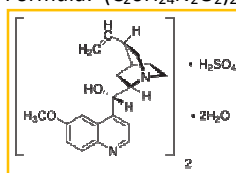
QUININE SULFATE DIHYDRATE USP

Product# 68234

Synonyms: Quinine sulfate; Quinine bisulfate; Quinine hydrogen sulfate

CAS No.: 6119-70-61

Formula: $(C_{20}H_{24}N_2O_2)_2 \cdot H_2SO_4 \cdot 2H_2O$



F.W.: 782.94

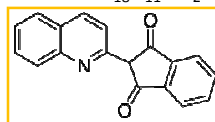
Appearance: White, fine, needle-like crystals. Odorless, has a persistent, very bitter taste. It darkens on exposure to light.

Identification A,B,C: To pass tests
 Specific Rotation: -235 - -245 °C
 Water: 4.0% to 5.5%
 Residue on Ignition: 0.1% maximum
 Heavy metals: 0.001% maximum
 Assay (anhydrous basis): 99.0% to 101.0%
 Chloroform-Alcohol insoluble Substances: < 0.1%
 Chromatographic Purity: To pass test
 Limit of Dihydroquinine Sulfate: <10.0%
 Residual Solvents (Toluene): 890 ppm maximum
 Solubility (5% in 95% ethanol): Clear, colorless - faint yellow solution

QUINOLINE YELLOW, SPIRIT SOLUBLE C.I.47000

Product# 68298

Synonyms: Solvent Yellow 33; D&C Yellow No. 11; C.I. 47000
 CAS No: 8003-22-3
 Formula: $C_{18}H_{11}NO_2$



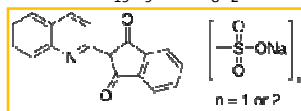
F.W.: 273.29

Appearance: Yellow-Gold Powder
 Lambda Max: 413 (435) nm in Methanol
 Solubility (1mg/ml, CHCl3): Clear, dark yellow solution

QUINOLINE YELLOW W/S C.I.47005

Product# 68301

Synonyms: C.I. 47005; Acid Yellow 3
 CAS No: 8004-92-0
 Formula: $C_{19}H_9NNaO_8S_2$



F.W.: 489.4

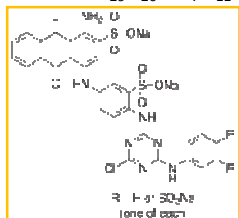
Appearance: Yellow to gold to orange powder
 Identification: Passes test

Lambda Max: 413 nm in Water
 Total dye content, corrected
 For sample dried at 105 deg.C For 2 hours: > 95%
 Solubility 1 mg/ml, H₂O: Clear to slightly hazy, yellow solution

REACTIVE BLUE 2

Product# 69015

Synonyms: Cibacron Blue 3G-A, Procion Blue HB, CI 61211
 CAS No.: 12236-82-7
 Formula: C₂₉H₂₀ClN₇O₁₁S₃



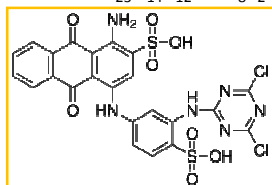
F.W.: 774.16

Appearance: Blue Fine Powder
 Identification (IR): Conforms to Standard
 Dye Content: 94% minimum
 Iron (Fe): 70 ppm minimum
 Heavy metals (as PB): 3ppm maximum
 Loss on drying (135°C, 1Hr): 6% maximum

REACTIVE BLUE 4

Product# 69020

Synonyms: C.I. No.: 61205
 CAS No.: 13324-20-4
 Formula: C₂₃H₁₄Cl₂NaO₈S₂



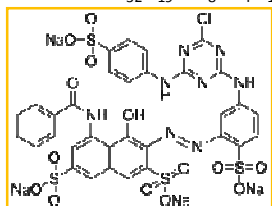
F.W.: 637.44

Appearance: Bright Bluish Fine Powder
 Dye Content: Minimum 18% Maximum 25%
 Lambda Max: 595nm (in water)

REACTIVE RED 4

Product# 69040

Synonyms: C.I. 18105; Procion Brilliant Red H-7B;
 Cibacron Brilliant Red 3B-A
 CAS No.: 17681-50-4
 Formula: C₃₂H₁₉ClN₈Na₄O₁₄S₄



F.W.: 995.23

Appearance: Maroon-purple to burgundy powder
 Dye Content: Minimum 50%
 Lambda Max: 517nm (in water)

Solubility 1 mg/ml, H₂O: Clear red solution

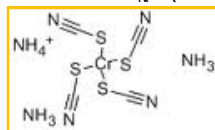
REINECKE SALT ACS

Product# 69091

Synonyms: Ammonium diamminetetralcis(thiocyanato-N)
 chromate(1-); Ammonium reineckate; Ammonium
 tetrahiocyanodiammonochromate

CAS No: 13573-16-5

Formula: NH₄[Cr(SCN)₄(NH₃)₂] * H₂O



F.W.: 354.45

Appearance: Dark red to rust to purple powder
 Identification (IR): To conform to standard
 Assay (titration): 93.0 % minimum
 Insoluble in diluted
 Hydrochloric acid: 0.05 % maximum
 Aqueous solubility: Soluble in hot water; sparingly in cold
 Sensitivity: Passes test

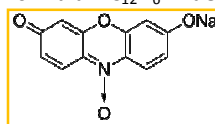
RESAZURIN SODIUM SALT CERTIFIED

Product# 69101

Synonyms: Alamar Blue; 7-Hydroxy-3H-phenoxazin-3-one-10-oxide,
 sodium salt

CAS No: 62758-13-8

Formula: C₁₂H₆NNaO₄



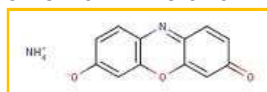
F.W.: 251.18

Appearance: Dark green to black Powder
 Dye content: > 75%
 Lambda Max: 598(380)nm in water
 Solubility: Soluble in water, insoluble in ether, and slightly soluble
 in alcohol and acetic acid.
 Visual transition Interval: From pH 3.5 (orange) To pH 6.5 (bluish-
 violet)

RESORCIN BLUE

Product# 69149

Synonyms: None Known
 C.A.S. No.: 42249-61-6

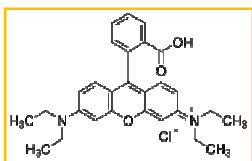


Appearance: Dark blue powder
 Lambda Max(in water): 580-605 nm

RHODAMINE B

Product# 70150

Synonyms: Basic Violet 10; C.I. 45170
 CAS No: 81-88-9
 Formula: C₂₈H₃₁ClN₂O₃



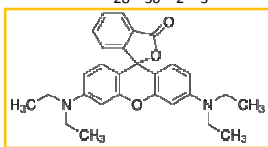
F.W.: 479.02

Appearance: Green Powder
 Dye content: ~80%
 Lambda max: 543 (355) nm in methanol
 Solubility: Soluble in water, ethanol and Methyl Cellosolve and slightly soluble in acetone.

RHODAMINE B BASE

Product# 70153

Synonyms: Sovent Red 49; C.I. 45170.1
 CAS No: 509-34-2
 Formula: $C_{28}H_{30}N_2O_3$



F.W.: 442.55

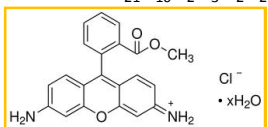
Appearance: Pink to Red-Pink Powder and/or Chunks
 Infrared Spectrum: Conforms to structure and Standard
 Assay: 97% minimum
 UV-Visible Spectrum: In Methanol $E(544 \pm 2\text{NM}) \Rightarrow 103,000$
 Solubility: 1 MG/ML, Ethanol; Clear to slightly hazy, Pink-Orange to Dark Pink Solution.

RHODAMINE 123 HYDRATE

Product# 70160

Synonyms: 2-(6-Amino-3-Imino-3H-Xanthan-9-YL) Benzoic Acid methyl ester monohydro-chloride; RH123

CAS No.: 123333-76-6
 Formula: $C_{21}H_{16}N_2O_3 \cdot 2H_2O$



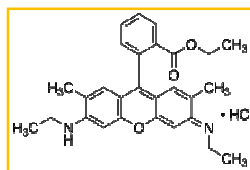
F.W.: 416.87

Appearance: Reddish-Brown to Green-Brown Crystalline Powder
 UV wavelength: 501nm maximum
 Assay: ~95%
 Solubility (1 mg/ml, Ethanol): Clear to slightly hazy, yellow orange to red. Solution, may have green cast.
 Titration (With Karl Fischer Reagent): 2%-10% H₂O

RHODAMINE 6G C.I. 45160

Product# 70165

Synonyms: Basic Red I
 CAS No.: 989-38-8
 Formula: $C_{28}H_{31}ClN_2O_3$



F.W.: 479.01

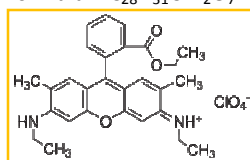
Appearance: Red Powder
 Solubility (in water): Slightly soluble
 Solubility (in diethyl ether): N/A
 Loss on drying at 105 deg. C: 10% maximum
 Absorption Lambda Max (in 50:50 IMS:water): 530-534 nm
 Absorption Ratio ($A_{2\text{max}-15\text{nm}}/A_{2\text{max}+15\text{nm}}$): 1.10-1.80
 Specific Absorption A 1% solution in 10mm cell @ 2max: 1750-2050

RHODAMINE 6G PERCHLORATE

Product# 70170

Synonyms: 9-[2-(ethoxycarbonyl)phenyl]-3,6-bis(ethylamino)-2,7-dimethylxanthylium perchlorate

CAS No.: 13161-28-9
 Formula: $C_{28}H_{31}ClN_2O_7$

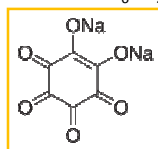


F.W.: 543.02

Appearance: Dark red to brown fine crystals
 Melting Point: 263 °C to 265 °C
 Lambda max.: 528nm
 Assay (HPLC): 97% minimum
 Solubility: Soluble in water, more soluble in ethanol

RHODIZONIC ACID DISODIUM SALT, 98% Product# 71102

Synonyms: Sodium rhodizonate dibasic, 98%
 CAS No.: 523-21-7
 Formula: $C_6Na_2O_6$



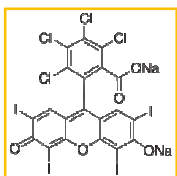
F.W.: 214.04

Appearance: Green-grey to dark-green powder
 Identification (IR): To conform to standard
 Assay (total base): 97.5% minimum
 Solubility (5 mg/ml, H₂O): Clear dark orange to orange red solution

ROSE BENGAL CERTIFIED

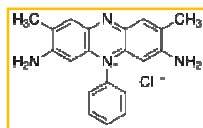
Product# 71150

Synonyms: Acid Red 94; C.I. 45440; 4,5,6,7-tetrachloro-2',4',5',7'-tetraiodofluorescein disodium salt; C.I. No: 45440
 CAS No: 632-68-8
 Formula: $C_{20}H_2O_5Cl_4I_4Na_2$



F.W.: 1017.65

Appearance: Dark red to red-brown powder
 Lambda max: ~548 nm (in H₂O + 1 ml 1% Sodium Carbonate)
 Dye content: 80% minimum
 Solubility 0.1% (H₂O): Red solution



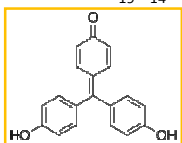
F.W.: 350.85

Appearance: Dark-Green crystalline Powder
 Lambda max: 530 nm in 50 % Ethanol
 Dye content: 95% minimum
 Solubility 1 mg/ml, H₂O: Opaque red solution
 Loss on drying: 5% maximum

ROSOLIC ACID

Product# 72201

Synonyms: C.I. 43800
 CAS No: 603-45-2
 Formula: C₁₉H₁₄O₃



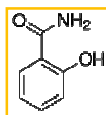
F.W.: 290.32

Appearance: Red to reddish-brown powder
 Lambda max: 482 nm (In Ethanol + 2ml 1N Hydrochloric Acid)
 Visual Transition Interval: From pH 6.6 (yellow) To pH 8.0 (pink)
 Loss on drying(110 Deg. C/1 hour): < 3.0%
 Solubility: Soluble in ethanol (golden yellow), moderately soluble in glacial acetic acid and slightly soluble in water, ether and chloroform.
 Solubility (in ethanol 96%): Clear orange solution

SALICYLAMIDE 99%

Product# 73480

Synonyms: o-Hydroxybenzamide; 2-Hydroxybenzamide; Salamide; Saliamin; Salicylamid; Salicylic acid amide;
 CAS No: 65-45-2
 Formula: C₇H₇NO₂



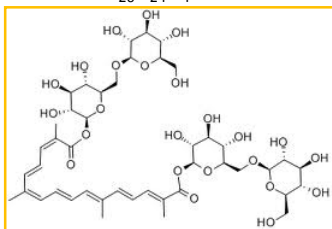
F.W.: 137.14

Appearance: White Crystalline Powder
 Assay (by Titration): 98.5% - 101.5%
 Identification (IR): Conforms to Structure
 Loss on Drying: 0.5 % maximum
 Heavy Metals: 0.001 % maximum
 Melting Point: 139°C to 142°C
 Residue on Ignition: 0.1% maximum

SAFFRON C.I.75100

Product# 73110

Synonyms: Natural yellow 6, C.I. 75100
 CAS No: 42553-65-1
 Formula: C₂₀H₂₄O₄



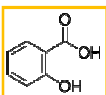
F.W.: 328.39

Appearance: Red and Yellow Fibers
 Lambda max: 427 (452) nm in Ethanol
 Solubility: To pass test

SALICYLIC ACID ACS

Product# 73500

Synonyms: Benzoic acid, 2 hydroxy; o-Hydroxybenzoic acid; 2-Hydroxy benzoic acid; Orthohydroxybenzoic acid
 CAS No: 69-72-7
 Formula: C₇H₆O₃



F.W.: 138.12

Appearance: White, fine crystalline powder
 Assay: ≥ 99.0 %
 Melting Point: 158.0 – 161.0 °C
 Residue after ignition: 0.01 % maximum
 Chloride(Cl): 0.001 % maximum
 Sulfate(SO₄): 0.003 % maximum
 Heavy metals(as Pb): 5 ppm maximum
 Iron (Fe): 2 ppm maximum
 Substances darkened by Sulfuric Acid: To Pass Test

SAFRANINE O CERTIFIED

Product# 73151

Synonyms: Basic Red 2; C.I. 50240; 3,7-diamino-2,8-dimethyl-5-phenylphenazinium chloride
 CAS No: 477-73-6
 Formula: C₂₀H₁₉ClN₄

SILVER IODIDE PURIFIED

Product# 74130

Synonyms: Neosiluol
 CAS No: 7783-96-2
 Formula: AgI



F.W.: 234.79

SODIUM ACETATE TRIHYDRATE ACS

Product# 74210

Appearance: Fine bright yellow powder
Assay: 99.5 % min.
Lead (Pb): <10 ppm
Copper (Cu): <2.5 ppm
Iron (Fe): <2 ppm
Chloride (Cl): <2 ppm
Sulfate (SO₄): <25 ppm

Synonyms: Acetic Acid, sodium salt trihydrate

CAS No: 6131-90-4

Formula: NaC₂H₃O₂ * 3H₂O



F.W.: 136.08

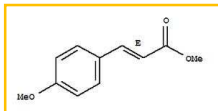
SILVER PROTEIN MILD

Product# 74151

Synonyms: Protargol S

CAS No.: 9015-51-4

Formula: Ag



F.W.: 107.87

Appearance: Brown or Black flakes, or granulated Powder
Identification A,B,C: To pass tests
Silver Content: 19 - 23 %
Solubility: Insoluble in alcohol and ether. Slowly soluble in Water
Alkalinity: ≥ 1.5 ml NaOH 0.1 N
Silver Salts: No opalescence
Appearance of Solution 20 mg/ml, H₂O: Opaque, brown solution

SILVER PROTEIN STRONG

Product# 74160

Synonyms: Strong Protargin, Silver Nucleate

CAS No.: 9008-42-8

Appearance: Light yellow-brown to brown, odorless powder
Identification A,B,C: To pass tests
Silver Content: 7.5 – 8.5%
Solubility: Practically insoluble in alcohol and ether, slowly soluble in water
Alkalinity: ≥ 1.5 ml NaOH 0.1 N
Silver Salts: No opalescence
Appearance of solution 20 mg/ml, H₂O: No residue after 30 minutes
Moisture: 3.50% maximum
Ash: 22.0% maximum

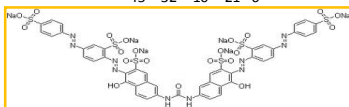
SIRIUS RED (DIRECT RED 80)

Product# 74190

Synonyms: C.I. 35780

CAS No.: 2610-10-8

Formula: C₄₅H₃₂N₁₀O₂₁S₆



F.W.: 1373.09

Appearance: Red to purple to dark brown powder
Identification: Conforms to structure and standard
Dye content: 20 - 25%
Lambda max.: 528nm
Solubility: Soluble in water; very slightly soluble in ethanol; insoluble in xylene

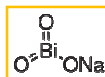
SODIUM BISMUTHATE

Product# 74242

Synonyms: Sodium Bismuth oxide

CAS No.: 12232-99-4

Formula: NaBiO₃



F.W.: 279.97

Appearance: Yellow to Brown Powder
Titration by KMNO₄ (NABIO₃): ≥ 80.0%
Chloride Content: ≤ 0.002%
Oxidizing Efficiency: ≥ 99.6%
Manganese (Mn): ≤ 5 ppm
X-Ray Diffraction: Conforms to Structure

SODIUM BROMIDE ACS

Product# 74290

Synonyms: Sedoneural

CAS No: 7647-15-6

Formula: NaBr



F.W.: 102.89

Appearance: White crystalline powder
Assay (corrected): ≥ 99.0 %
pH of a 5% solution: 5.0 - 8.8 at 25 °C
Insoluble matter: 0.005 % maximum
Bromate (BrO₃): 0.001 % maximum
Chloride (Cl): 0.2 % maximum
Nitrogen Compounds(as N): 5 ppm maximum
Sulfate (SO₄): 0.002 % maximum
Barium (Ba): 0.002 % maximum
Heavy metals (Pb): 5 ppm maximum
Iron (Fe): 5 ppm maximum
Calcium (Ca): 0.002 % maximum
Magnesium (Mg): 0.001 % maximum
Potassium (K): 0.1 % maximum

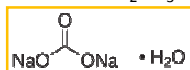
SODIUM CARBONATE MONOHYDRATE ACS

Product# 74290

Synonyms: None Known

CAS No.: 5968-11-6

Formula: $\text{Na}_2\text{CO}_3 \cdot \text{H}_2\text{O}$



F.W.: 124.00

Appearance: White Powder
Assay (by HCL Titration): 99.5% minimum
Melting Point: 95 °C to 98 °C
Solubility: Clear Colorless Solution at 100mg/ml in water

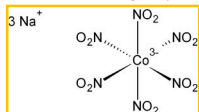
SODIUM COBALTNITRITE ACS

Product# 74305

Synonyms: Sodium hexanitrocobaltate (III), Trisodium Hexakis (Nitro-N) Cobaltate (3-)

CAS No: 13600-98-1

Formula: $\text{Na}_3\text{Co}(\text{NO}_2)_6$



F.W.: 403.94

Appearance: Yellow, Orange to Orange-Brown powder
Insoluble matter(In dilute CH_3COOH): $\leq 0.02\%$
Suitability for Potassium determination: To pass test

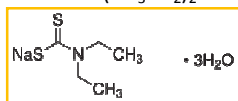
SODIUM DIETHYLDITHIOCARBAMATE 3HY ACS

Product# 74312

Synonyms: Diethyldithiocarbamic acid sodium salt Trihydrate; Dithiocarb; Diethyl sodium Dithiocarbamate trihydrate

CAS No: 20624-25-3

Formula: $(\text{CH}_3\text{CH}_2)_2\text{NCSSNa} \cdot 3\text{H}_2\text{O}$



F.W.:225.31

Appearance: White to off-white crystalline powder and/or chunks
Melting Point: 92 – 96 °C
Solubility in Water (1g/50 ml in H_2O): Clear colorless solution
Sodium (as Na_2SO_4): 30.5 - 32.5 %
Sensitivity to Copper: Passes Test

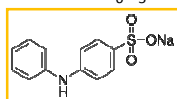
SODIUM DIPHENYLAMINESULFONATE ACS

Product# 74340

Synonyms: 4-(Phenylamino)benzenesulfonic acid monosodium Salt; Sodium diphenyl amine-4-sulfonate

CAS No.: 6152-67-6

Formula: $\text{C}_6\text{H}_5\text{NHC}_6\text{H}_4\text{SO}_3\text{Na}$



F.W.: 271.27

Appearance: Off-white to grey powder
Sensitivity as indicator: Passes Test
Solubility 0.1% (in water): Clear colorless solution

SODIUM DECYL SULFATE HPLC

Product# 74391

Synonyms: Decyl Sodium Sulfate; Decylsulfuric acid sodium salt; Sulfuric acid, monodecyl ester, sodium salt.

C.A.S.: 142-87-0

Formula: $\text{CH}_{10}\text{H}_{22}\text{O}_4\text{SNa}$



F.W.: 260.33

Appearance: White crystalline powder and/or flakes
Assay (acidimetric): $> 98.50\%$
Water (K.F.): $< 1.50\%$
Max. Absorbance (0.005 M in water) (1 cm cell):

200 nm < 0.100 A.U.
210 nm < 0.050 A.U.
220 nm < 0.040 A.U.
230 nm < 0.030 A.U.
250 nm < 0.010 A.U.
280 nm < 0.010 A.U.

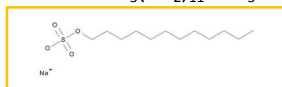
Appearance of solution (25% in water at 25°C): Clear, colorless to slightly yellow

SODIUM DODECYL SULFATE ELECTROPHORESIS

Product# 74440

Synonyms: Sodium lauryl sulfate; Duponol; Dodecyl sodium sulfate
CAS No.: 151-21-3

Formula: $\text{CH}_3(\text{CH}_2)_{11}\text{OSO}_3\text{Na}$



F.W.: 288.38

Appearance: Fine, white or slightly yellow powder
Assay (G.C.): 99.0% minimum
pH of a 1% solution at 25 Deg. C: 5.0 - 8.0
U.V. Absorbance (3% aqueous solution):
260 nm < 0.10 AU 280 nm < 0.075 AU
Chloride(Cl): $< 0.01\%$
Heavy metals(as Pb): < 2 ppm
Iron(Fe): < 1 ppm
Phosphate(PO_4): < 1 ppm
Nitrogen(N) : < 5 ppm

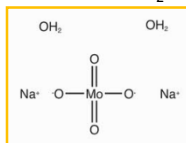
SODIUM MOLYBDATE DIHYDRATE ACS

Product# 74458

Synonyms: Molybdic acid, disodium salt, dihydrate

CAS No: 10102-40-6

Formula: $\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$



F.W.: 241.95

Appearance: White, odorless crystals
Assay: 99.50 - 103.0%
pH of a 5% solution: 7.0 – 10.5
Insoluble Matter: $< 0.005\%$
Chloride (Cl): $< 0.005\%$
Phosphate (PO_4): < 5 ppm
Sulfate (SO_4): $< 0.015\%$

Ammonium (NH₄): < 0.001%
Heavy metals (as Pb): < 5 ppm
Iron (Fe): < 0.001%

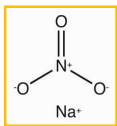
SODIUM NITRATE ACS

Product# 74498

Synonyms: Nitratine; Nitric acid, sodium salt; Sodium saltpeter

CAS No: 7631-99-4

Formula: NaNO₃



F.W.: 84.99



Appearance: White crystalline powder
Assay: ≥ 99.0 %
pH of a 5% solution: 5.5 - 8.3 @ 25 deg. C
Insoluble Matter: 0.005 % maximum
Chloride(Cl): 0.001 % maximum
Sulfate (SO₄): 0.003% maximum
Nitrite (NO₂): 0.001 % maximum
Calcium (Ca): 0.005 % maximum
Iodate (IO₃): 5 ppm maximum
Magnesium (Mg): 0.002 % maximum
Phosphate (PO₄): 5 ppm maximum
Heavy Metals (as Pb): 5 ppm maximum
Iron (Fe): 3 ppm maximum

SODIUM NITRITE ACS

Product# 74530

Synonyms: Nitrous acid, sodium salt

CAS No.: 7632-00-0

Formula: NaNO₂



F.W.: 69.00

Assay : ≥ 97.0 %
Insoluble Matter: < 0.01 % maximum
Chloride (Cl): < 0.005 % maximum
Sulfate (SO₄): < 0.01 % maximum
Calcium (Ca): < 0.01 % maximum
Potassium (K): < 0.005 % maximum
Heavy Metals (Pb): < 0.001 % maximum
Iron (Fe): < 0.001 % maximum

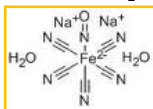
SODIUM NITROFERRICYANIDE 2HY ACS

Product# 74561

Synonyms: Disodium Pentakis(cyano-C)nitrosylferrate (2-)Dihydrate;
Sodium Pentacyanonitrosoferrate(III) Dihydrate.

CAS No: 13755-38-9

Formula: Na₂Fe(CN)₅NO*2H₂O



F.W.: 297.95



Appearance: Ruby red crystals
Assay: 99.0-102.0%

Insoluble matter: 0.01% maximum
Chloride (Cl): 0.02% maximum
Sulfate (SO₄): To pass test
Aqueous Solubility: 40 g in 100 ml at 20 Deg. C
Limit on Ferricyanide: To pass test
Limit on Ferrocyanide: To pass test

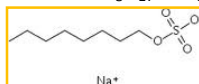
SODIUM OCTYL SULFATE

Product# 74575

Synonyms: Sulfuric acid, monoctyl ester, sodium salt

C.A.S.: 142-31-4

Formula: C₈H₁₇OSO₃Na



F.W.: 232.28

Appearance: Fine white crystalline powder
Identity (IR-spectrum): Conforms
Assay (acidimetric) (calculated on dried substance): 99.0% Minimum
Loss on drying (60 Deg. C, vacuum): 1.0% maximum
Chloride (Cl): 0.1% maximum
Heavy metals (Pb): 0.004% maximum
Sulfated Ash: 29.0-32.0%

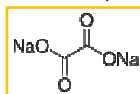
SODIUM OXALATE ACS

Product# 74588

Synonyms: Oxalic Acid Disodium Salt; Ethanedioic Acid Disodium salt

CAS No: 62-76-0

Formula: (COONa)₂



F.W.: 134.00

Appearance: White fine powder
Assay: > 99.5%
Insoluble Matter: < 0.005%
Loss on drying: < 0.01%
Neutrality: Passes Test
Chloride (Cl): < 0.002%
Sulfate (SO₄): < 0.002%
Ammonium (NH₄): < 0.002%
Heavy Metals (as Pb): < 0.002%
Iron (Fe): < 0.001%
Potassium (K): < 0.005%
Substances darkened by hot Sulfuric Acid: Passes Test

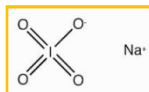
SODIUM META-PERIODATE ACS

Product# 74590

Synonyms: Sodium metaperiodate; Periodic acid, sodium salt

CAS No: 7790-28-5

Formula: NaIO₄



F.W.: 213.89



Appearance: White, odorless, crystalline powder
Assay (dried basis): 99.8 - 100.3 %

Other halogens (as Cl): 0.02 % maximum
 Manganese (Mn): 3 ppm maximum
 Loss on drying: 0.5% maximum
 Aqueous solubility:(37 g in 100 ml at 50 Deg. C): Passes test
 pH: 4.0 – 5.0

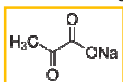
SODIUM PYRUVATE

Product# 74682

Synonyms: 2-Oxopropanoic acid sodium salt; Sodium alpha-Ketopropionate; Sodium pyruvate

C.A.S.: 113-24-6

Formula: $C_3H_3NaO_3$



F.W.: 110.04

Appearance: White crystalline powder
 Assay: 99% Minimum
 Pyruvic Acid: > 76%
 Transparency: >90 %
 Solubility 100 mg/ml, H₂O: Clear colorless solution
 Loss on drying: <0.5%
 Sulfate: <20 ppm
 Chloride: <20 ppm
 Arsenic: <1 ppm
 Heavy Metals: <10 ppm

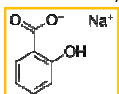
SALICYLIC ACID MONOSODIUM SALT

Product# 74820

Synonyms: Sodium Salicylate 2-Hydroxybenzoic acid sodium salt

CAS No: 54-21-7

Formula: $C_7H_5NaO_3$



F.W.: 160.10

Appearance: White shiny flakes or crystalline powder
 Assay: 99.0 - 101.0% (with HClO₄)
 Loss on drying: < 0.5%
 Heavy metals (as Pb): < 0.002%
 Chloride (Cl): < 0.01%
 Organic Volatile Impurities: To pass test
 Insoluble Matter: < 0.005%
 Solubility 50 mg/ml (5%) H₂O: Clear, colorless to faint yellow solution.

SODIUM TETRABORATE CRYSTALS ACS

Product# 75800

Synonyms: Sodium borate decahydrate; borax; sodium pyroborate

CAS No: 1303-96-4

Formula: $Na_2B_4O_7 \cdot 10H_2O$



F.W.: 381.37

Assay: 99.5 - 105.0 %
 pH of a 0.01 M solution: 9.15 - 9.20 @ 25 deg. C
 Insoluble matter: 0.005 % maximum
 Chloride (Cl): 0.001 % maximum

Phosphate (PO₄): 0.001 % maximum
 Sulfate (SO₄): 0.005 % maximum
 Calcium (Ca): 0.005 % maximum
 Heavy Metals (as Pb): 0.001 % maximum
 Iron (Fe): 5 ppm maximum

SODIUM THIOCYANATE ACS

Product# 75825

Synonyms: Sodium rhodanide

CAS No: 540-72-7

Formula: NaSCN



F.W.: 81.07

Appearance: Colorless to White crystalline powder
 Identification: Conforms to Structure
 Assay (Titration by AgNO₃): ≥ 98.0%
 Melting Point: 287°C
 Insoluble Matter: ≤ 0.005%
 Chloride: ≤ 0.01%
 Iron (Fe): ≤ 2 ppm
 Heavy metals (Pb): ≤ 5ppm
 Sulfate (SO₄): ≤ 0.01%
 Ammonium (NH₄): ≤ 0.002%
 Carbonate (as NaCO₃): ≤ 0.2%
 Sulfide (S): ≤ 0.001%

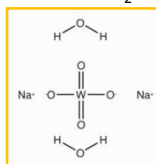
SODIUM TUNGSTATE 2HY ACS

Product# 75851

Synonyms: Tungstic Acid Sodium Salt Dihydrate

CAS No: 10213-10-2

Formula: $Na_2WO_4 \cdot 2H_2O$



F.W.: 329.86

Appearance: White fine crystalline powder
 Identification: Passes test
 Assay: 99.0 - 101.0 %
 Insoluble matter: 0.01 % maximum
 Titrable free base: 0.02 meq/g maximum
 Chloride (Cl): 0.005 % maximum
 Nitrogen Compounds (as N): 0.001 % maximum
 Molybdenum (Mo): 0.001 % maximum
 Sulfate (SO₄): 0.01 % maximum
 Arsenic (As): 5 ppm maximum
 Heavy Metals and Iron (as Pb): 0.001 % maximum

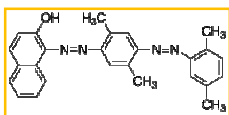
SOLVENT RED 27

Product# 75871

Synonyms: C.I. 26125; Oil Red O

CAS No: 1320-06-5

Formula: $C_{26}H_{24}N_4O$



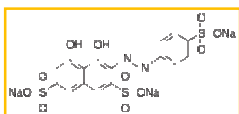
F.W.: 408.51

Appearance: Dark greenish-brown Powder
 Identification: Conforms to structure and standard
 Dye Content: > 95.0%
 Melting Point: 120 C (dec.)
 Spectroscopy: 518 (359) nm in Toluene
 Solubility: 4mg/ml (water)

2, (4-SULFOPHENYLAZO)-1,8-DIHYDROXY-3,6-NAPHTHALENE-DISULFONIC ACID, 3SODIUM SALT ACS SPADNS

Product# 75900

Synonyms: 4,5-Dihydroxy-3-(4-Sulfophenylazo)-2,7-naphthalenedisulfonic Acid trisodium salt; SPADNS; p-Sulfophenylazochromotropic Acid trisodium salt
 CAS No.: 23647-14-5
 Formula: C₁₆H₉N₂Na₃O₁₁S₃



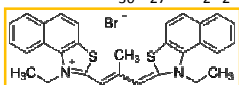
F.W.: 570.42

Appearance: Red to brown powder
 Clarity of Solution: To pass test
 Lambda Max: 507 (307)nm in water
 Sensitivity to fluoride: To pass test

STAINS-ALL

Product# 76021

Synonyms: DBTC; 1-ETHYL-2-{3-[(1-ETHYLNAPHTHOL[1,2-D]THIAZOLIN-2-YLIDENE)-2-METHYLPROPENYL]-NAPHTHO[1,2-D]THIAZOLIUM BROMIDE
 CAS No.: 7423-31-6
 Formula: C₃₀H₂₇BrN₂S₂

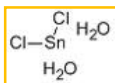


F.W.: 559.60

Appearance: Dark-grey powder, Light sensitive
 Identification: To pass test
 Assay: 95% Minimum
 Lambda Max: 575nm in Ethanol
 Solubility: Dark blue to dark purple Solution at 40mg plus 4.0 ml Of Chloroform

STANNOUS CHLORIDE DIHYDRATE ACS Product# 76150

Synonyms: Tin (II) Chloride Dihydrate; Stannochlor
 CAS No.: 10025-69-1
 Formula: SnCl₂ * 2H₂O



F.W.: 225.65



Assay: 98.0 - 103.0 %

Solubility in hydrochloric acid: Passes Test
 Sulfate (SO₄): Passes Test
 Sodium (Na): 0.01 % maximum

Potassium (K): 0.005 % maximum
 Calcium (Ca): 0.005 % maximum
 Iron (Fe): 0.003 % maximum
 Lead (Pb): 0.01 % maximum

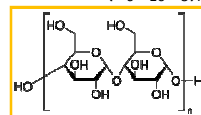
STARCH SOLUBLE ACS

Product# 76190

Synonyms: High-polymeric carbohydrate material derived from potatoes.

CAS No.: 9005-84-9

Formula: (C₆H₁₀O₅)_n



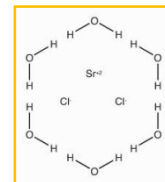
Appearance: White to Off-White Powder
 Solubility: Passes Test
 pH of 2% Solution at 25°C: 5.0-7.0
 Residue after Ignition: ≤ 0.4%
 Sensitivity: Passes Test
 Melting Point: 256-258°C

STRONTIUM CHLORIDE 6HYDRATE ACS Product# 76220

Synonyms: Strontium Chloride Hexahydrate

CAS No: 10025-70-4

Formula: SrCl₂ * 6H₂O



F.W.: 266.62

Appearance: White crystals
 Assay: 99.0 – 103.0 %
 pH of a 5% solution: 5.0 - 7.0 at 25 deg. C
 Insoluble matter: 0.005 % maximum
 Sulfate (SO₄): 0.001 % maximum
 Barium (Ba): 0.05 % maximum
 Calcium (Ca): 0.05 % maximum
 Magnesium (Mg); 2 ppm maximum
 Heavy Metals (as Pb): 5 ppm maximum
 Iron (Fe): 5 ppm maximum

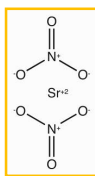
STRONTIUM NITRATE ACS

Product# 76250

Synonyms: Strontium (II) Nitrate (1:2); nitric acid, strontium salt

CAS No: 10042-76-9

Formula: Sr(NO₃)₂



F.W.: 211.63

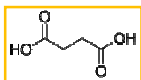


Appearance: White crystals
 Assay: $\geq 99.0\%$
 pH of a 5% solution: 5.0 - 7.0 @ 25 C
 Insoluble matter: 0.01 % maximum
 Loss on drying @ 105 C: 0.1 % maximum
 Chloride (Cl): 0.002 % maximum
 Sulfate (SO4): 0.005 % maximum
 Barium (Ba): 0.05 % maximum
 Calcium (Ca): 0.05 % maximum
 Magnesium (Mg): 0.10 % maximum
 Sodium (Na): 0.10 % maximum
 Heavy Metals (as Pb): 5 ppm maximum
 Iron (Fe): 5 ppm maximum

SUCCINIC ACID NF/ACS

Product# 76300

Synonyms: Butanedioic acid; amber acid, Bernsteinsäure;
 Ethylene Succinic acid; Ethylene dicarboxylic acid
 CAS No: 110-15-6
 Formula: $\text{HOOCCH}_2\text{CH}_2\text{COOH}$



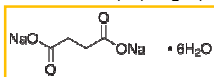
F.W.: 118.09

Appearance: White crystals and/or powder
 Assay: 99.0 % minimum
 Melting Point: 185.0 – 191.0 deg. C
 Insoluble matter: 0.010 % maximum
 Loss on drying @105 Deg. C: 1.0% maximum
 Residue on ignition: 0.020 % maximum
 Solubility (10g/150ml): Clear and complete
 Chloride (Cl): 0.001 % maximum
 Phosphate (PO4): 0.001 % maximum
 Sulfate (SO4): 0.003 % maximum
 Nitrogen Compounds (as N): 0.001 % maximum
 Iron (Fe): 5 ppm maximum
 Heavy Metals (as Pb): 5 ppm maximum

SUCCINIC ACID DISODIUM SALT 6HY (SODIUM SUCCINATE)

Product# 76303

Synonyms: Butanedioic acid disodium salt; succinic acid disodium salt;
 Disodium succinate; sodium succinate hexahydrate
 CAS No: 6106-21-4
 Formula: $\text{C}_4\text{H}_4\text{Na}_2\text{O}_4 \cdot 6\text{H}_2\text{O}$



F.W.: 270.15

Appearance: White crystalline powder
 Identification: To Pass Test
 Assay: 97.0 - 102.0 %

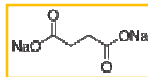
DUDLEY CHEMICAL

Loss on drying W/W%: 40% maximum
 Chloride (Cl): 0.020 % maximum
 Heavy Metals (as Pb): 0.002 % maximum
 Sulfate (SO4): To pass test
 Solubility (10% H2O): Clear solution
 pH of 0.4M Solution: 6.0 – 9.0

SUCCINIC ACID DISODIUM SALT 99%

Product# 76304

Synonyms: Butanedioic acid disodium salt; succinic acid disodium salt;
 Disodium succinate; Sodium succinate anhydrous
 CAS No: 150-90-3
 Formula: $\text{C}_4\text{H}_4\text{Na}_2\text{O}_4$



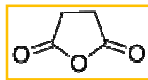
F.W.: 162.05

Appearance: White crystalline powder
 Assay (on dry weight basis): 99.0% minimum
 Heavy Metals: 10 ppm maximum
 Loss on drying: 1.0% maximum

SUCCINIC ANHYDRIDE 99%

Product# 76306

Synonyms: Dihydro-2,5-furandione
 CAS No: 108-30-5
 Formula: $\text{C}_4\text{H}_4\text{O}_3$



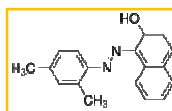
F.W.: 100.07

Appearance: White flakes, chips, crystals and/or powder
 Identification: Conforms to structure
 Melting Point: 117 - 121 deg. C
 Residue on Ignition: 0.2% maximum
 Assay: 99.0% minimum
 Boiling Point: 261 Deg. C (760 mm Hg)
 Sensitivity: Moisture sensitive

SUDAN II C.I. 12140

Product# 76356

Synonyms: C.I. 12140; 1-(2,4 Dimethylphenylazo)-2-naphthol;
 Solvent Orange 7; Sudan Orange RR
 CAS No: 3118-97-6
 Formula: $\text{C}_{18}\text{H}_{16}\text{N}_2\text{O}$



F.W.: 276.34

Appearance: Orange Powder
 Lambda max: 493 nm
 Melting Point: 156 - 158 deg. C
 Dye Content: 85 % minimum

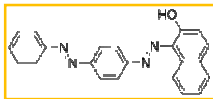
SUDAN III CERTIFIED C.I. 26100

Product# 76373

Synonyms: None known

Email: dudley@dudley-chem.com

CAS No: 85-86-9
Formula: $C_{22}H_{16}N_4O$



F.W.: 352.40

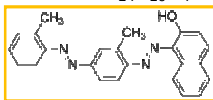
Assay: 95% minimum
Appearance: Red-Brown Powder
Lambda max: 507 (354) nm (in Toluene)
Melting Point: 199 deg. C

SUDAN IV CERTIFIED

Product# 76394

Synonyms: Scarlet Red; Solvent Red 24; C.I. 26105; Fat ponceau;
Scarlet red; Lipid Crimson

CAS No: 85-83-6
Formula: $C_{24}H_{20}N_4O$



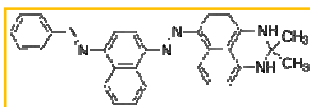
F.W.: 380.45

Appearance: Dark Red-Brown Powder
Identification: Conforms to structure and standard
Dye Content: > 80.0%
Melting Point: 199 C (dec.)
Spectroscopy: Peak 520 nm in Toluene
Solubility (1 mg/ml, CHCL3): Opaque dark red solution

SUDAN BLACK B CERTIFIED

Product# 76399

Synonyms: Solvent Black 3; Fat Black HB; C.I. 26150;
CAS No: 4197-25-5
Formula: $C_{29}H_{24}N_6$



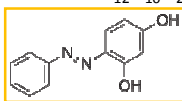
F.W.: 456.55

Appearance: Very dark brown to black crystalline powder
Identification: Conforms to structure and standard
Dye Content: $100 \pm 5\%$
Loss on drying: < 5.0%
Melting Point: 118 - 126 deg. C
Lambda max.: 598 (415)nm in ethanol

SUDAN ORANGE G C.I. 11920

Product# 76410

Synonyms: C.I. 11920; 4-(Phenylazo)resorcinol; Solvent Orange 1
CAS No: 2051-85-6
Formula: $C_{12}H_{10}N_2O_2$



F.W.: 214.22

Appearance: Red-Orange Powder
Solubility: Very slightly soluble in water
Melting Point: 143 - 146 deg. C

Lambda max: 400 nm in Methanol

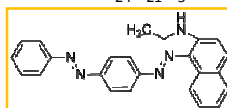
SUDAN RED 7B C.I. 26050

Product# 76422

Synonyms: C.I. 26050; Solvent Red 19; n-Ethyl-1-[4-(phenylazo)phenylazo]-2-naphthylamine

CAS No: 6368-72-5

Formula: $C_{24}H_{21}N_5$



F.W.: 379.47

Appearance: Dark-Red Powder
Lambda Max: 533 (364) nm in Toluene
Melting Point: 130 deg. C
Solubility: Insoluble in water. Slightly soluble in ethanol And soluble in acetone and benzene

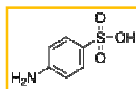
SULFANILIC ACID ANHYDROUS ACS

Product# 76452

Synonyms: 4-Aminobenzenesulfonic Acid

CAS No.: 121-57-3

Formula: $C_6H_7NO_3S$



F.W.: 173.19

Appearance: White to Off-white crystalline powder
Assay: 98.0 – 102.0%
Melting Point: 286 – 292 Deg. C
Residue after Ignition: < 0.01%
Chloride (Cl): < 0.002%
Nitrite (NO2): < 0.5 ppm
Sulfate (SO4): < 0.01%
Insoluble in Sodium Carbonate Solution: < 0.02%

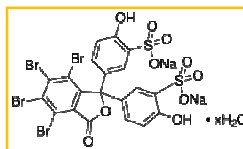
SULFOBROMOPHTHALEIN SODIUM HYDRATE

Product# 76473

Synonyms: Phenolphthalein, 4,5,6,7-Tetrabromo-3',3'' Disulfo-,
Disodium Salt, (Sulfobromophthalein, sodium);
Bromsulfalein; Bromthalein

CAS No.: 123359-42-2

Formula: $C_{20}H_8Br_4Na_2O_{10}S_2 \cdot xH_2O$

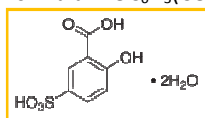


F.W.: 838.03

Appearance: White Powder
Identification (IR): Conforms to structure
Loss on drying: < 7%
Lambda max.: 577 (366)nm in 0.1N sodium hydroxide
Sodium by ICP: 5.2 to 5.8%
Color of solution (5% in H2O): Clear to slightly hazy, Colorless to pale yellow solution
Solubility: Soluble in water, Very slightly soluble in ethanol and acetone

5-SULFOSALICYLIC ACID DIHYDRATE ACS Product# 76550

Synonyms: Benzoic acid, 2-hydroxy-5-sulfo-, dihydrate;
Salicylsulfonic Acid; 3-Carboxy-4-Hydroxybenzene sulfonic acid
CAS No: 5965-83-3
Formula: $\text{HOC}_6\text{H}_3(\text{COOH})\text{SO}_3\text{H} \cdot 2\text{H}_2\text{O}$



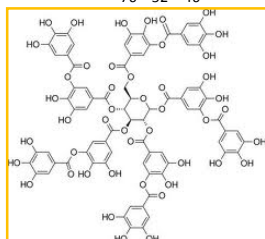
F.W.: 254.22

Appearance: White crystalline powder
Assay: 99.0 – 101.0 %
Water: 16% maximum
Insoluble matter: 0.02 % maximum
Residue after ignition: 0.1 % maximum
Chloride (Cl): 0.001 % maximum
Salicylic acid: 0.04 % maximum
Sulfate (SO4): 0.02 % maximum
Heavy Metals (as Pb): 0.002 % maximum
Iron (Fe): 0.001 % maximum

TANNIC ACID ACS

Product# 77900

Synonyms: Gallotannin, Tannin
CAS No: 1401-55-4
Formula: $\text{C}_{76}\text{H}_{52}\text{O}_{46}$



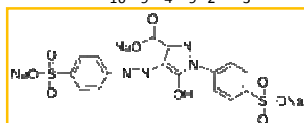
F.W.: 1701.20

Appearance: Light tan to brown powder
Identification A,B: To pass Test
Assay: ~ 86%
Melting Point: 218 Deg. C
Loss on drying at 105 Deg. C: <12.0% maximum
Residue after Ignition: <0.5% maximum
Heavy metals (as Pb): <0.003% maximum
Zinc (Zn): <0.005% maximum
Arsenic (As): <3 ppm
Sugars, dextrin test: To pass test
Resinous substances: No turbidity produced
Organic Volatile Substances: To pass test

TARTRAZINE C.I.19140

Product# 78005

Synonyms: Acid Yellow 23 ; FD&C Yellow 5
CAS No: 1934-21-0
Formula: $\text{C}_{16}\text{H}_9\text{N}_4\text{O}_9\text{S}_2\text{Na}_3$

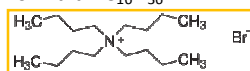


F.W.: 534.37

Appearance: Orange powder
Identification: Conforms to structure and standard
Lambda max: 425 nm (In Water)
Dye content: > 80.0%
Water-insoluble Matter: 0.20% maximum
Subsidiary Dyes: 1.00% maximum
Heavy metals (as Pb) (mg/kg): 40.00 maximum
Arsenic (mg/kg): 3.00 maximum
Lead (mg/kg): 10.00 maximum
Mercury (mg/kg): 1.00 maximum
Cadmium (mg/kg): 1.00 maximum

TETRABUTYL AMMONIUM BROMIDE Product# 78009

Synonyms: Tetra-n-Butylammonium Bromide
CAS No: 1643-19-2
Formula: $\text{C}_{16}\text{H}_{36}\text{BrN}$



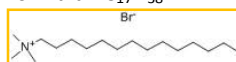
F.W.: 322.4

Appearance: White fine crystalline powder
Assay: 99% minimum
Melting Point: 102-106 Deg. C
Solubility (50 mg/ml in ethanol): Clear colorless solution
Max. Absorbance(UV 10% aq. Solution): 10% in H2O
240 nm <0.040 A.U.
250 nm <0.030 A.U.
260 nm <0.020 A.U.
500 nm <0.020 A.U.

TETRADECYL TRIMETHYLAMMONIUM BROMIDE

Product# 78014

Synonyms: MYTAB; Myristyltrimethylammonium Bromide;
Trimethyl(tetradecyl)Ammonium Bromide
CAS No: 1119-97-7
Formula: $\text{C}_{17}\text{H}_{38}\text{BrN}$



F.W.: 336.39

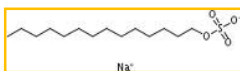
Appearance: White to off-white powder
Assay (titration): 99.0% - 101.0%
Melting Point: 245 - 250 Deg. C
Free Amine: NMT 0.2%
Total Amine HBr: NMT 0.5%
Solubility: Clear to very slightly hazy, colorless to faint yellow solution at 100 mg/ml in water.

SODIUM TETRADECYL SULFATE

Product# 78016

Synonyms: 7-Ethyl-2-Methyl-4-Hendecanol Sulfate Sodium Salt,
Myristyl Sulfate Sodium Salt; Niaproof 4; Sodium Myristyl
Sulfate;
Sodium tetradecyl Sulfate; STDS; Sulfuric Acid Monotetra
decylester, sodium salt; Tetradecyl sodium sulfate;
Tetradecyl Sulfate Sodium Salt.

CAS No: 1191-50-0
Formula: $\text{CH}_3(\text{CH}_2)_{13}\text{OSO}_3\text{Na}$

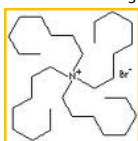


F.W.:316.44

Appearance: White to off-white crystalline powder
Assay: 95.0% minimum

TETRAOCYTYLAMMONIUM BROMIDE Product# 78023

Synonyms: None known
CAS No.: 14866-33-2
Formula: $\text{CH}_3(\text{CH}_2)_7\text{N}^+\text{Br}^-$

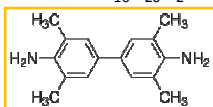


F.W.:546.79

Appearance: White Powder or Flakes
Assay: 97% minimum
Melting Point: 95 °C to 98 °C
Titration: 97.5% - 102.5% (with AgNO_3)

3,3,5,5-TETRAMETHYLBENZIDINE Product# 78027

Synonyms: TMB
CAS No.: 54827-17-7
Formula: $\text{C}_{16}\text{H}_{20}\text{N}_2$

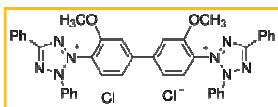


F.W.:240.35

Appearance: White to off-white to cream crystalline powder
Identification (IR): To pass test
Assay (HPLC): 99.0% minimum
Melting Point: 167 - 170 deg. C
Loss on drying: < 0.5 %
Residue on ignition: 0.2%
Solubility (5% ethyl acetate): Clear to slightly hazy colorless to yellow to yellow-green or orange solution

TETRAZOLIUM BLUE Product# 78030

Synonyms: Tetrazolium blue chloride;
Dimethoxyneotetrazolium chloride; 3,3-(3,3-Dimethoxy-4,4-biphenylene)bis(2,5-diphenyl-2,5-diphenyl-2H-tetrazolium chloride);
3,3-Dianisole-4,4-bis(3,5-diphenyltetrazolium chloride)
CAS No: 1871-22-3
Formula: $\text{C}_{40}\text{H}_{32}\text{Cl}_2\text{N}_8\text{O}_2$



F.W.: 727.66

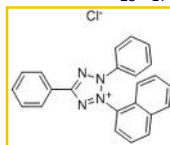
Appearance: Yellow microcrystalline powder
Assay (HPLC): 95.0 % minimum
Melting Point: 255 deg. C
Lambda Max: 253 nm in Methanol

Solubility: Soluble in ethanol, slightly soluble in water, insoluble in ether.

TETRAZOLIUM PURPLE

Product# 78039

Synonyms: 2,5-Diphenyl-3-(1-naphthyl)tetrazolium chloride
CAS No.: 1719-71-7
Formula: $\text{C}_{23}\text{H}_{17}\text{ClN}_4$



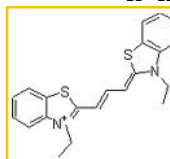
F.W.: 384.86

Appearance: Yellow to Yellow-Brown Powder
Identification (IR): Conforms to structure
Assay: 98 % minimum
Solubility(1 mg/ml, MeOH): Clear light yellow to green yellow solution

THIAZOLE PURPLE

Product# 78050

Synonyms: 3,3'-Diethylthiacarbocyanine iodide
CAS No.: 905-97-5
Formula: $\text{C}_{21}\text{H}_{21}\text{IN}_2\text{S}_2$



F.W.: 492.44 g/mol

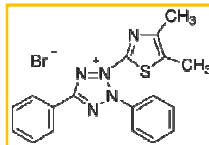
Appearance: Grey to blue crystalline powder
Assay(with AgNO_3 After O_2 Combustion)(titration): 94.0 – 106.0%
Melting Point: 268-270 °C

THIAZOLYL BLUE TETRAZOLIUM BROMIDE (MTT)

Product# 78096

Synonyms: 3-(4,5-Dimethylthiazol-2-yl)-2,5-Diphenyl-2H-Tetrazolium Bromide

CAS No.: 298-93-1
Formula: $\text{C}_{18}\text{H}_{16}\text{BrN}_5\text{S}$



F.W.: 414.33

Appearance: Yellow crystalline powder
Assay: 98.0% minimum
Melting Point: 190-210 deg. C
Specific Extinction: $E(1\%/1\text{cm}) = \text{min. } 480$ (at 243nm in water)
Maximum Absorption(in water): 239.0 – 247.0 nm
Solubility (5mg/ml, H_2O): Clear to very slightly hazy, Yellow to bright yellow solution

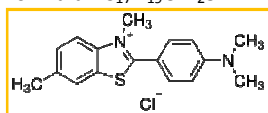
THIOFLAVIN T

Product# 78130

Synonyms: Basic Yellow 1; C.I. 49005; Thioflavine TCN; Primoflavine T; Rhoduline Yellow 6G; Setoflavin T; Tannoflavin T

CAS No: 2390-54-7

Formula: $C_{17}H_{19}ClN_2S$



F.W.: 318.86

Appearance: Yellow to gold-yellow to orange-brown powder

Identification: Conforms to structure and standard

Dye content: ~75 %

Solubility 1 mg/ml in Methanol: Clear to very slightly hazy yellow to yellow-green solution

Lambda max.: 412nm $\pm$ 3nm in water

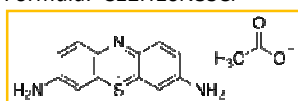
THIONIN CERTIFIED

Product# 78151

Synonyms: 3,7-Diaminophenothiazin-5-ium Chloride, Katalysin; Thionine

CAS No: 78338-22-4

Formula: $C_{12}H_{10}N_3SCl$



F.W.: 263.60

Appearance: Very Dark Green Powder

Lambda max: 598 nm (In Water)

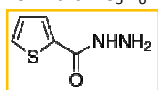
2-THIOPHENECARBOXYLIC HYDRAZIDE

Product# 78161

Synonyms: 2-Thenoic hydrazide

CAS No: 2361-27-5

Formula: $C_5H_6N_2OS$



F.W.: 142.18

Appearance: White to off-white crystalline Powder

Assay: 97.0 % minimum

Melting Point: 136 - 139 °C

FT-IR with standard: Conforms

FT-NMR with standard: Conforms

Solubility (200 mg/4ml of Ethanol): Clear, colorless solution

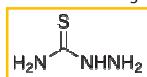
THIOSEMICARBAZIDE

Product# 78169

Synonyms: Thiocarbamoyl hydrazide; Hydrazinecarbothioamide

CAS No: 79-19-6

Formula: CH_5N_3S



F.W.: 91.14



Appearance: White to off-white or tan crystalline powder

Identification: Conforms to standard and structure

Assay (titration): 99.0% minimum

Water content (K.F.): 1.0% maximum

Melting Point: 178 – 183 Deg. C

Solubility: Soluble in water and alcohol

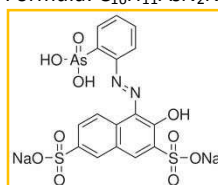
THORIN I

Product# 78174

Synonyms: APANS; 2-(3,6-disulfo-2-hydroxy-1-naphthylazo)benzene arsonic acid, disodium salt.

CAS No: 132-33-2

Formula: $C_{16}H_{11}AsN_2Na_2O_{10}S_2$



F.W.: 576.29

Appearance: Red to red-orange powder

Specific Extinction (1%/1cm): 200 minimum

Maximum of Absorption In Water: 481.0 – 489.0 nm

Solubility 10 mg/ml, H₂O: Clear red solution

Suitable for determination of Barium: Passes test

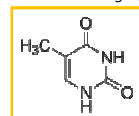
THYMINE, 99%

Product# 78176

Synonyms: 5-Methyluracil; 2,4-Dihydroxy-5-methylpyrimidine; 5-Methyl-2,4 (1H, 3H)-pyrimidinedione

CAS No: 65-71-4

Formula: $C_5H_6N_2O_2$



F.W.: 126.11

Appearance: White to off-white crystalline powder

Assay: ~99.0 %

Loss on drying: 0.5% maximum

Melting Range: 320 – 330 Deg. C

Heavy metals (as Pb): 10 ppm maximum

Solubility: Clear colorless to very faint yellow solution at 50 mg/ml in 1M Sodium Hydroxide.

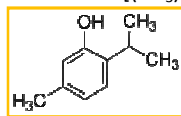
THYMOL NF

Product# 78178

Synonyms: 5-Methyl-2-isopropylphenol

CAS No: 89-83-8

Formula: 2-[(CH₃)₂CH]C₆H₃-5-(CH₃)OH



F.W.: 150.22



Appearance: White or Colorless crystals with characteristic odor.

Assay (Titration): 99.0 - 101.0%

Identification (IR): Conforms to standard

DUDLEY CHEMICAL

Melting Point: 48-50 C
Non-Volatile Residue: 0.05% maximum

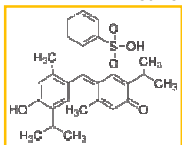
THYMOL BLUE FREE ACID ACS

Product# 78182

Synonyms: TB; Thymolsulfonephthalein

CAS No: 76-61-9

Formula: $C_{27}H_{30}O_5S$



F.W.: 466.60

Appearance: Dark-Green to brown to red-brown to purple crystalline powder
Clarity of solution: To pass test
Melting Point: 221 - 224 deg. C
Visual transition interval (acid range): pH 1.2 (red) to pH 2.8 (yellow)
Visual transition interval (alkaline range): pH 8.0 (yellow) to pH 9.2 (blue)
Loss on drying (at 110 Deg. C/1hr): < 5.0%

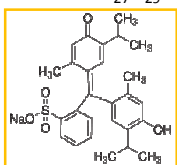
THYMOL BLUE SODIUM SALT ACS

Product# 78186

Synonyms: Thymol blue sodium salt; Thymol blue sodium

CAS No: 62625-21-2

Formula: $C_{27}H_{29}O_5SNa$



F.W.: 488.58

Appearance: Orange-brown to brownish-black powder
Clarity of solution: To Pass Test
Visual transition interval (acid range): pH 1.2 (red) to pH 2.8 (yellow)
Visual transition interval (alkaline range): pH 8.0 (yellow) to pH 9.2 (blue)

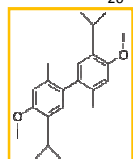
THYMOL IODIDE

Product# 78200

Synonyms: Iodothymol; Dithymol Diiodide; 4,4'-Bis(iodoxy)-2,2'-dimethyl-5, 5'-bi(1-methylethyl)-1,1'-biphenyl;
bithymoldiiodide;
dithymoliodide; aristol; annidalin

CAS No.: 552-22-7

Formula: $C_{20}H_{24}I_2O_2$



F.W. 550.21

Appearance: Yellow colored powder with a slight aromatic odor
Assay (1): >43%
Solubility: To Pass Test.
Identification: To Pass Test.

Loss on drying: <2%
Residue on ignition: <1.5%
Alkalinity: To Pass Test.
Iodine: No blue color is produced.
Thymol: No Free Thymol
Heavy Metals (as Pb): <0.001%
Soluble Halides: To Pass Test.
Particle Size: 90% less than 30 microns; 100% less than 50 microns

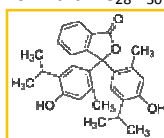
THYMOLPHTHALEIN

Product# 78222

Synonyms: 5',5''-Diisopropyl-2',2''-dimethylphenolphthalein;
3,3-Bis[4-hydroxy-2-methyl-5-(1-methylethyl)phenyl]-1(3H)-isobenzofuranone

CAS No.: 125-20-2

Formula: $C_{28}H_{30}O_4$



Appearance: White crystalline powder
Assay: 92% minimum
Loss on drying: <1.0%
Sulfated Ash: 0.10 maximum
Clarity of Solution: To pass test
Visual Transition Interval: From pH 8.8 (colorless) To pH 10.5 (blue)

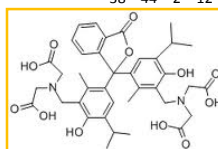
THYMOLPHTHALEIN COMPLEXONE

Product# 78225

Synonyms: Thymolphthalexone

CAS No: 1913-93-5

Formula: $C_{38}H_{44}N_2O_{12}$



F.W.: 720.77

Appearance: Off-white powder
Melting Point: 191 deg. C
Absorptivity 1%/1cm at Lambda max. 601nm (0.1N NaOH): 613

Solubility(0.1N NaOH): Dark blue solution

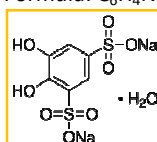
TIRON

Product# 78401

Synonyms: 4,5-Dihydroxy-1,3-BenzeneDisulfonic Acid, Disodium Salt, HY

CAS No: 149-45-1

Formula: $C_6H_4Na_2O_8S_2 \cdot H_2O$



F.W.: 332.22

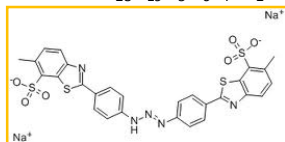
Appearance: White crystalline powder

Assay (TBAH - Titration): 97.0 % minimum
 Loss on drying: 4.0 % maximum
 Water (K.F.): 4.5 - 6.0 %
 Chloride (Cl): < 0.5 %
 Sulfate (SO₄): < 1.0 %
 Solubility (5% H₂O): Clear

TITAN YELLOW

Product# 78601

Synonyms: C.I. 19540; Clayton Yellow; Direct Yellow 9; Thiazol Yellow G
 CAS No: 1829-00-1
 Formula: C₂₈H₁₉N₅O₆S₄Na₂



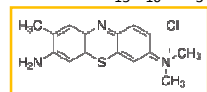
F.W.: 695.73

Appearance: Rust colored Powder
 Assay: 65.0% minimum
 Loss on drying: 10.0% maximum
 Clarity of Solution: Clear and complete
 Solubility: Soluble in water, Slightly soluble in ethanol
 Absorption max(in Water): 402- 407nm
 Visual transition interval: From pH 11 (yellow) To pH 13 (red)

TOLUIDINE BLUE O CERTIFIED

Product# 79150

Synonyms: Basic Blue 17; C.I. 52040; toloum chloride; TBO
 CAS No: 92-31-9
 Formula: C₁₅H₁₆ClN₃S



F.W.: 305.83

Appearance: Dark-green to black powder
 Assay: 80.0 % minimum
 Absorptivity 1%/1cm at Lambda max. 633.0 nm: > 1200
 Loss on drying: 8.0% maximum
 Solubility (0.1% dist. Water): Clear blue solution

1,2,4-TRIAZOLE

Product# 79151

Synonyms: Pyrroldiazole
 CAS No: 288-88-0
 Formula: C₂H₃N₃



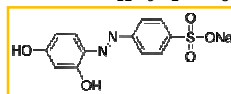
F.W.: 69.07

Appearance: White to light yellow crystalline powder or flakes
 Assay: 99.0 % minimum
 Water: 0.5% maximum
 Melting Point: 118 – 122 Deg. C
 Solubility (50 mg/ml, H₂O): Clear, colorless to faint yellow solution

TROPAEOLIN O

Product# 80027

Synonyms: C.I. 14270; Acid Orange 6; Chrysoin; Resorcinol yellow
 CAS No: 547-57-9
 Formula: C₁₂H₉N₂NaO₅S



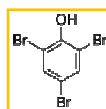
F.W.: 316.27

Appearance: Dark-orange to rust-colored powder
 Lambda max: 490nm (in 0.1N Sodium Hydroxide)
 Dye content: ~65%
 Visual Transition Interval: From pH 11.0 (yellow) To pH 12.7 (red)
 Solubility(10mg/ml 1N NH₄OH): Clear, red brown solution

2,4,6-TRIBROMOPHENOL, 99%

Product# 80100

Synonyms: Bromol; Tribromophenol
 CAS No: 118-79-6
 Formula: Br₃C₆H₂OH



F.W.: 330.80

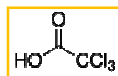
Appearance: White - off-white to pink flakes, chunks, briquettes or cubes

Assay (GLC): 99.5% minimum
 Melting Point: 89 - 93°C
 Water Content: 0.4% maximum
 Bromine Content: 71.8% minimum
 APHA (solution in MeOH): 50 maximum
 APHA (solution in NaOH): 80 maximum

TRICHLOROACETIC ACID ACS

Product# 80150

Synonyms: TCA; trichloroethanoic acid
 CAS No.: 76-03-9
 Formula: CCl₃COOH



F.W.: 163.39



Appearance: White to colorless crystalline powder or crystals
 Assay: 99.0% minimum

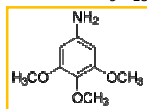
Residue after ignition: 0.03% maximum
 Clarity of Solution: Clear colorless solution
 Insoluble Matter: 0.01% maximum
 Chloride (Cl): 0.002% maximum
 Nitrate (NO₃): 0.002% maximum
 Phosphate (PO₄): 5 ppm maximum
 Sulfate (SO₄): 0.02% maximum
 Heavy Metals (as Pb): 0.002% maximum
 Iron (Fe): 0.001% maximum
 Substances darkened by Sulfuric Acid: To pass test

3,4,5-TRIMETHOXYANILINE, 98%

Product# 80165

Synonyms: Benzenamine, 3,4,5-trimethoxy-

CAS No.: 24313-88-0

Formula: $C_9H_{13}NO_3$ 

F.W.: 183.21

Appearance: Off-white crystalline powder

Assay: 98% minimum

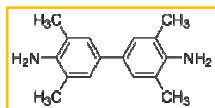
Melting Point: 110 - 113°C

3,3',5,5'-TETRAMETHYLBENZIDINE

Product# 80170

Synonyms: TMB

CAS No.: 54827-17-7

Formula: $C_{16}H_{20}N_2$ 

F.W.: 240.35

Appearance: White to off-white to cream crystalline powder

Identification (IR): To pass test

Assay (HPLC): 99.0% minimum

Melting Point: 167 - 170 deg. C

Loss on drying: < 0.5 %

Residue on ignition: 0.2%

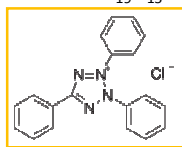
Solubility (5% ethyl acetate): Clear to slightly hazy colorless to yellow to yellow-green or orange solution

2,3,5-TRIPHENYL-2H-TETRAZOLIUM CHLORIDE

Product# 80202

Synonyms: Red Tetrazolium; TPTZ; TTC

CAS No: 298-96-4

Formula: $C_{19}H_{15}ClN_4$ 

F.W.: 334.81

Appearance: White to off-white crystalline powder

Identification (I.R.): To pass test

Loss on drying @105 Deg.C: 3.0% maximum

Assay (by Titration): > 95.0%

Melting Point: 235 - 245 Deg. C (dec.)

Residue on ignition: 0.1% maximum

Solubility test: 1) 0.1 g/10 ml of Ethanol 1) Clear and complete
2) 50 mg/ml of water 2) Clear and complete

Sensitivity for reducing Sugars: To pass test

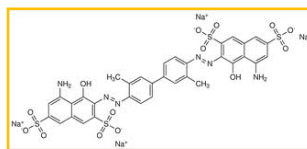
TRYPAN BLUE

Product# 80251

Synonyms: Diamine blue 3B; Niagara Blue 3B; C.I. 23850; Direct Blue

14

CAS No.: 72-57-1

Formula: $C_{34}H_{24}N_6Na_4O_{14}S_4$ 

F.W.: 960.82



Appearance: Dark greenish-brown powder

Lambda max.: 607 nm in methanol 588 nm in water

Dye content: 25% - 80%

Melting Point: >300° C

Loss on drying: 8% maximum

Solubility (1 mg/ml H2O): Clear to opaque dark blue solution

TU-J PASTE

Product# 80280

Synonyms: None known

Formula: $C_{22}H_{22}ClN_3O$

F.W.: 379.84

Appearance: Bluish-black Paste

Solubility (1%)(in 10% H2SO4): Clear solution

Moisture: <50%

Absorption max. A1: 402nm - 407nm

Absorption max. A2: 570nm - 580nm

Absorptivity reading A1 (Conc. = 2mg/lt): >0.130

Absorptivity reading A2 (conc. = 2 mg/lt): >0.240

TU-K PASTE

Product# 80284

Synonyms: None known

Formula: $C_{20}H_{18}ClN_3O$

F.W.: 351.79

Appearance: Bluish-black to very deep brown paste

Solubility (1%)(in 10% H2SO4): Clear solution

Moisture: <50%

Absorption maximum A1: 405nm - 410nm

Absorption maximum A2: 530nm - 540 nm

Absorptivity reading A1 (conc. = 4mg/lt): >0.470

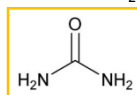
Absorptivity reading A2 (conc. = 4mg/lt): >0.600

UREA CRYSTALS ACS

Product# 83251

Synonyms: Carbamide resin; Carbamimidic acid; Carbonyl diamide;
Carbonyldiamine; Isouren

CAS No: 57-13-6

Formula: NH_2CONH_2 

F.W.: 60.06

Appearance: Fine white odorless crystals

Identification A&B: To pass test

Assay: 99.0 - 100.5 %

Melting Point: 132 - 135 deg. C

Alcohol Insoluble Substances: 0.01% maximum

Residue after ignition: 0.01 % maximum

Chloride (Cl): 5 ppm maximum

Sulfate (SO4): 0.001 % maximum

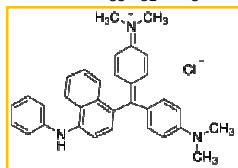
Heavy Metals (as Pb): 0.001 % maximum

Iron (Fe): 0.001 % maximum

VICTORIA BLUE B

Product# 86795

Synonyms: Basic Blue 26; C.I. 44045; Fat Blue B
C.A.S.: 2580-56-5
Formula: $C_{33}H_{32}ClN_3$



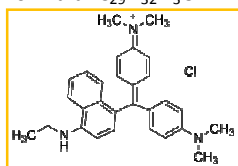
F.W.: 506.10

Appearance: Brownish powder with metallic luster to copper-colored chunks
Lambda Max: 599-605 nm in Ethanol
Loss on drying(60 deg. C): 5% maximum
Solubility: Slightly soluble in water and somewhat more soluble in the lower aliphatic alcohols.

VICTORIA BLUE R

Product# 86800

Synonyms: Basic Blue 11; C.I. 44040
CAS No: 2185-86-6
Formula: $C_{29}H_{32}N_3Cl$



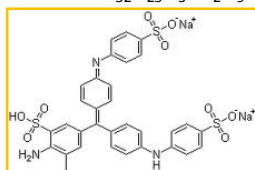
F.W.: 458.04

Appearance: Dark-Blue Powder
Lambda max: 615 nm (In Methanol)

WATER BLUE 1

Product# 92100

Synonyms: Acid Blue 22; C.I. 42755
CAS No: 28631-66-5
Formula: $C_{32}H_{25}N_3Na_2O_9S_3$



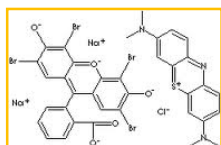
F.W.:737.73

Appearance: Brownish-purple crystalline powder With metallic luster
Solubility (in water): Soluble
Lambda max.: 594 – 610 nm in water

WRIGHTS STAIN CERTIFIED

Product# 92152

Synonyms: Eosin-Methylene Blue, Wright
CAS No: 68988-92-1

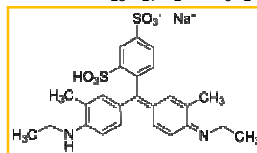


Appearance: Green Crystalline Powder
Solubility 0.1% (MeOH): Conforms Opaque c= 1mg/ml: Methanol
Solubility (Color): Dark Blue
Infrared spectrum: Conforms to structure
Absorptivity 1%/1cm:
Loss on drying At 105 deg. C/1hour:
Suitable as a Biological Stain: Passes Test
Certified by Biological Stain Commission: Passes Test

XYLENE CYANOL FF C.I. 42135

Product# 92496

Synonyms: Cyanol FF; Acid Blue 147
CAS No.: 2650-17-1
Formula: $C_{25}H_{27}N_2NaO_6S_2$



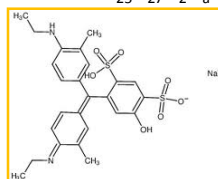
F.W.: 538.61

Appearance: Green or dark green powder
Assay: 75 % minimum
Lambda max.: 615nm
Loss on drying @ 105 Deg.C: 10 % maximum
Solubility(1 mg/ml, H2O): Dark blue solution

XYLENE CYANOL FF C.I. 43535

Product# 92500

Synonyms: None Known
CAS No.: 4463-44-9
Formula: $C_{25}H_{27}N_2NaO_7S_2$



F.W.: 554.61

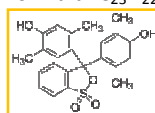
Appearance: Dark blue to dark green powder
Assay:(corrected for loss): 85% minimum
Loss on Drying: 10% maximum
Solubility: Soluble in Water

XYLENOL BLUE INDICATOR GRADE

Product# 93050

Synonyms: 4,4'-(3H-2,1-Benzoxathiol-3-ylidene)bis[2,5-dimethylphenol]
5,5- dioxide; p-Xylenolsulfonephthalein; 1,4-dimethyl-5-hydroxybenzenesulfonephthalein

CAS No.: 125-31-5
Formula: $C_{23}H_{22}O_5S$



F.W.: 410.49

Appearance: Dark-brown to purple powder
Melting Point: 212 °C (dec.)
Loss on drying at 110 °C(1hr): 10.0% maximum

Dye content: ~90%
 Visual Transition Interval(acid): From pH 1.2 (red) To pH 2.8 (yellow)
 Visual Transition Interval(alkaline): From pH 8 (yellow) To pH 9.8(violet)

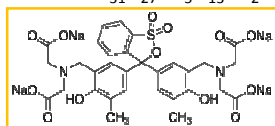
XYLENOL ORANGE TETRASODIUM SALT ACS

Product# 93150

Synonyms: 3,3'-bis[N,N-di(Carboxymethyl)aminomethyl]
 o-cresolsulfonephthaleine, sodium salt; Xylenol orange,
 indicator; Xylenol Orange, sodium salt; Tetrasodium

CAS No: 3618-43-7

Formula: $C_{31}H_{27}Na_5O_{13}S_2$



F.W.: 782.56

Appearance: Dark red to dark brown crystalline powder
 Melting Point: 195 °C
 Loss on drying (at 110 °C/1hr): 10.0 % maximum
 Clarity of solution(0.1 g/100 ml of water): Passes test
 Suitability for zinc Titration: Passes Test

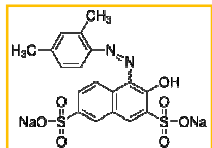
XYLIDINE PONCEAU 2R

Product# 93180

Synonyms: Acid Red 26; C.I. 16150; Ponceau red RR; Scarlet R;

CAS No: 3761-53-3

Formula: $C_{18}H_{14}N_2Na_2O_7S_2$



F.W.: 480.4

Appearance: Red Powder
 Lambda max.: 503nm in water
 Dye content: ~70%
 Solubility 1mg/ml, H2O: Clear red solution

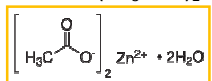
ZINC ACETATE DIHYDRATE ACS

Product# 94250

Synonyms: Acetic acid, zinc salt, dihydrate; Zinc diacetate;
 Zine acetate dihydrate

CAS No: 5970-45-6

Formula: $(CH_3COO)_2Zn \cdot 2H_2O$



F.W.: 219.51



Appearance: Colorless or white crystals with faint Odor of Acetic Acid
 Assay: 98.0 – 101.0 %
 pH of a 5% solution: 6.0 - 7.0 @ 25°C
 Insoluble matter: 0.005 % maximum
 Chloride (Cl): 5 ppm maximum
 Sulfate (SO4): 0.005 % maximum
 Calcium (Ca): 0.005 % maximum
 Magnesium (Mg): 0.005 % maximum

Potassium (K): 0.01 % maximum
 Sodium (Na): 0.05 % maximum
 Iron (Fe): 5 ppm maximum
 Lead (Pb): 0.002 % maximum

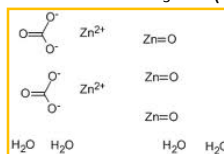
ZINC CARBONATE

Product# 96270

Synonyms: Zinc Carbonate(1:1); Zinc Monocarbonate; Carbonic
 acid, zinc salt

CAS No.: 3486-35-9

Formula: $2ZnCO_3 \cdot 3Zn(OH)_2$



F.W.: 324.15



Appearance: White, fine powder
 Assay (as ZnO): 70.0% minimum
 Residue on ignition: 72%
 Loss on drying @ 105 deg. C.: 5%
 Alkalinity as Na2SO4: 0.7% maximum
 Sulfate (SO4): 0.01% maximum
 Insoluble in H2SO4: 0.02% maximum
 Chloride (Cl): 0.002% maximum
 Nitrate (NO3): 0.005% maximum
 Calcium (Ca): Actual Value Reported
 Iron (Fe): 0.002% maximum
 Lead (Pb): 0.005% maximum
 Substances not precipitated By (NH4)2S: 0.40% maximum

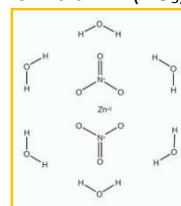
ZINC NITRATE HEXAHYDRATE

Product# 96330

Synonyms: Nitric Acid, Zinc Salt, Hexahydrate

CAS No: 10196-18-6

Formula: $Zn(NO_3)_2 \cdot 6H_2O$



F.W.: 297.47



Appearance: White crystalline powder and/or crystals
 Assay: 99.0 – 101.0 %
 Insoluble matter: 0.005 % maximum
 Iron (Fe): 5 ppm maximum
 Lead (Pb): 0.005 % maximum
 Sulfate (SO4): 0.005 % maximum
 Copper (Cu): 5 ppm maximum
 Zinc (Zn): 50 ppm maximum
 pH of a 5% solution @ 25 C: 3.5 - 6.0

ZINC SULFATE 7HY ACS

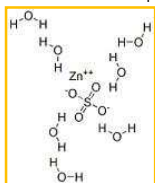
Product# 96350

Synonyms: Sulfuric acid, zinc salt(1:1) heptahydrate; zinc vitriol,

Heptahydrate; zinc sulfate, heptahydrate

CAS No: 7446-20-0

Formula: $\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$



F.W.: 287.56

Appearance: Colorless efflorescent crystals
 Assay: 99.0 – 103.0 %
 pH of a 5% solution @ 25°C: 4.4 - 6.0
 Insoluble matter: 0.01 % maximum
 Chloride (Cl): 5 ppm maximum
 Nitrate (NO₃): 0.002 % maximum
 Ammonium (NH₄): 0.001 % maximum
 Calcium (Ca): 0.005 % maximum
 Iron (Fe): 0.001 % maximum
 Lead (Pb): 0.003 % maximum
 Magnesium (Mg): 0.005 % maximum
 Manganese (Mn): 3 ppm maximum
 Potassium (K): 0.01 % maximum
 Sodium (Na): 0.05 % maximum

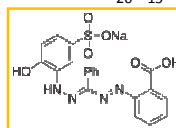
ZINC MONOSODIUM SALT ACS

Product# 96410

Synonyms: 2-[1-(2-Hydroxy-5-sulfophenyl)-3-phenyl-5- formazano] benzoic acid monosodium salt

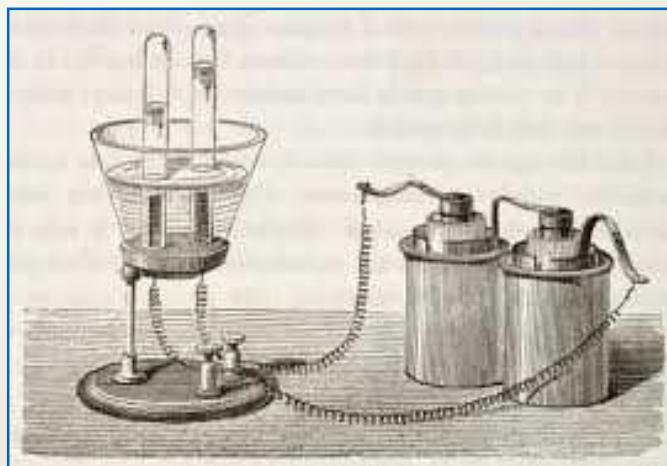
CAS No.: 62625-22-3

Formula: $\text{C}_{20}\text{H}_{15}\text{N}_4\text{NaO}_6\text{S}$



F.W.: 462.41

Appearance: Maroon to purple powder
 Loss on drying: 10.0 % maximum
 Lambda max.: 490 – 498nm in 0.001N NaOH
 Clarity of Solution: To pass test
 Suitability for complexometric titration (Zn): To pass test



*To Order, Contact Dudley@dudley-chem.com,
 Call us in the US at 732-886-3100
 Or Fax us at 732-886-3688*

<i>Product</i>	<i>CAS#</i>	<i>Our Code #</i>
Aluminon ACS	[569-58-4]	02900
4-Aminoantipyrine ACS	[83-07-8]	03148
1-Amino-2-Naphthol-4-Sulfonic Acid ACS	[116-63-2]	03156
Ammonium Acetate Anhydrous ACS	[631-61-8]	03206
Ammonium Bromide ACS	[12124-97-9]	03210
Ammonium Chloride ACS	[12125-02-9]	03250
Ammonium Molybdate Tetrahydrate ACS	[12054-85-2]	03262
Ammonium Oxalate 1 Hydrate ACS	[6009-70-7]	03282
Ammonium Thiocyanate ACS	[1762-95-4]	03320
Antipyrine 99%	[60-80-0]	03500
Anthrone ACS	[90-44-8]	03751
Barium Carbonate ACS	[513-77-9]	05066
Barium Chloride 2HY ACS	[10326-27-9]	05071
Barium Nitrate ACS	[10035-06-0]	06131
Bathocuprione	[4733-39-5]	05200
Bathophenanthroline	[1662-01-7]	05230
Bismuth Nitrate ACS	[10035-06-0]	06131
Biuret	[108-19-0]	06381
Bromocresol Green Free Acid ACS	[76-60-8]	08142
Bromocresol Green Sodium Salt ACS	[62625-28-9]	08146
Bromocresol Purple Free Acid ACS	[115-40-2]	08152
Bromocresol Purple Sodium Salt ACS	[62625-30-3]	08156
Bromophenol Blue Free Acid ACS	[115-39-9]	08162

<i>Product</i>	<i>CAS#</i>	<i>Our Code #</i>
Bromophenol Blue Sodium Salt ACS	[62625-28-9]	08166
Bromothymol Blue Free Acid ACS	[76-59-2]	08172
Bromothymol Blue Sodium Salt ACS	[34722-90-2]	08176
1-Butanesulfonic Acid Sodium Salt Anhydrous HPLC	[2386-54-1]	08902
Calcium Acetate 1 Hydrate ACS	[5743-26-0]	09116
Calcium Carbonate ACS	[471-34-1]	09130
Calcium Sulfate 2HY ACS	[10101-41-4]	09230
Chromotropic Acid Disodium Salt ACS	[5808-22-0]	10600
Congo Red	[573-58-0]	11100
o-Cresolphthalein Complexone ACS	[2411-89-4]	12102
1-Decanesulfonic Acid Sodium Salt Anhydrous HPLC	[13419-61-9]	12801
2,7-Dichlorofluorescein ACS	[76-54-0]	14104
2,6-Dichloroindophenol sodium Salt ACS	[620-45-1]	14130
p-Dimethylaminobenzaldehyde ACS	[100-10-7]	14191
Dimethylglyoxime ACS	[95-45-4]	14211
Dimethylglyoxime Disodium Salt	[75006-64-3]	14214
Dimidium Bromide	[518-67-2]	14222
Diphenylcarbazone	[538-62-5]	14239
Diphenylcarbazone	[10329-15-4]	14241
1,5-Diphenylcarbohydrazide ACS	[140-22-7]	14271
2,5-Diphenyloxazole	[92-71-7]	14290
2,2'-Dipyridyl ACS	[366-18-7]	14301
5,5'-Dithiobis(2-nitrobenzoic acid)	[69-78-3]	14502

Product	CAS#	Our Code #
Dithizone ACS	[60-10-6]	14800
1-Dodecanesulfonic Acid Sodium Salt Anhydrous HPLC	[2386-53-0]	18002
Eosin Y Disodium Salt ACS	[17372-87-1]	19253
Eriochrome Black T ACS	[1787-61-7]	20300
Ethidium Bromide	[1239-45-8]	20420
EDTA Free Acid ACS	[60-00-4]	20432
EDTA Dipotassium Dihydrate	[251002-12-9]	20439
EDTA Disodium Salt 2HY ACS	[6381-92-6]	20442
Ferrous Sulfate 7 HY ACS	[7782-63-0]	22220
Gallic Acid Anhydrous ACS	[149-91-7]	25799
Gallic Acid 1 Hydrate ACS	[5995-86-8]	25801
1-Heptanesulfonic Acid Sodium Salt Anhydrous HPLC	[22767-50-6]	30150
1-Heptanesulfonic Acid Sodium Salt 1Hydrate HPLC	[207300-90-1]	30154
1-Hexanesulfonic Acid Sodium Salt Anhydrous HPLC	[2832-45-3]	30180
1-Hexanesulfonic Acid Sodium Salt 1 Hydrate HPLC	[207300-91-2]	30184
Hydroxy Naphthol Blue ACS	[165660-27-5]	32091
8-Hydroxyquinoline ACS	[148-24-3]	32141
Imidazole ACS	[288-32-4]	33800
Indigo Carmine ACS	[860-22-0]	34001
p-Iodonitrotetrazolium Violet (INT)	[146-68-9]	35198
Lead Acetate 3 Hydrate ACS	[598-63-0]	46100
Lead Carbonate ACS	[598-63-0]	46120
Lead Chloride	[7758-95-4]	46140
Lead Nitrate ACS	[10099-74-8]	46160

Product	CAS#	Our Code #
Lead Subacetate ACS	[1335-32-6]	46168
Lead Sulfate	[7446-14-2]	46170
Luminol	[521-31-3]	46311
Luminol Sodium Salt Hemihydrate	[206658-90-4]	46316
Magnesium Chloride 6 Hydrate ACS	[7791-18-6]	49104
Magnesium Nitrate ACS	[13446-18-9]	49130
Manganese Sulfate 1 Hydrate ACS	[10034-96-5]	49270
Mercuric Acetate ACS	[1600-27-7]	50120
Mercuric Bromide ACS	[7789-47-1]	50123
Mercuric Chloride ACS	[7487-94-7]	50131
Mercuric Iodide ACS	[7774-29-0]	50150
Mercuric Nitrate ACS	[7783-34-8]	50161
Mercuric Oxide Red ACS	[21908-53-2]	50164
Mercuric Oxide Yellow ACS	[21908-53-2]	50167
Mercuric Sulfate ACS	[7783-35-9]	50170
Mercuric Thiocyanate	[592-85-8]	50190
Mercurous Chloride ACS	[10112-91-1]	50196
Mercurous Nitrate 2 hydrate ACS	[14836-60-3]	50200
Methyl Orange ACS	[547-58-0]	50341
Methyl Red Free Acid ACS	[493-52-7]	50362
Methyl Red HCL ACS	[63451-28-5]	50364
Methyl Red Sodium Salt ACS	[845-10-3]	50368
Methylthymol Blue Sodium Salt ACS	[1945-77-3]	50390
Molybdic Acid ACS	[7782-91-4]	51501
Morin Hydrate	[480-16-0]	51601

Product	CAS#	Our Code #
Murexide ACS	[3051-09-0]	52151
Naphthol Green B ACS	[19381-50-1]	53361
N-(1-Naphthyl)ethylenediamine Dihydrochloride ACS	[1465-25-4]	53368
Neocuproine 99%	[484-11-7]	53501
Neocuproine Hydrochloride hydrate	[7296-20-0]	53505
Neotetrazolium Chloride	[298-83-9]	53700
Neutral Red ACS	[553-24-2]	54150
Ninhydrin ACS	[485-47-2]	54281
Nitro Blue Tetrazolium Chloride (NBT)	[298-83-9]	54471
4(p-Nitrophenylazo)resorcinol	[74-39-5]	54900
1-Nonanesulfonic Acid Sodium Salt Anhydrous HPLC	[35192-74-6]	55260
1-Octanesulfonic Acid Sodium Salt Anhydrous HPLC	[5324-84-5]	57150
1-Octanesulfonic Acid Sodium Salt 1 Hydrate HPLC	[207596-29-0]	57154
P.A.R. Free Acid ACS	[1141-59-9]	61179
P.A.R. Monosodium ACS	[16593-81-0]	61182
1-Pentanesulfonic Acid Sodium Salt Anhydrous HPLC	[22767-49-3]	62150
1-Pentanesulfonic Acid Sodium Salt 1HY HPLC	[207605-40-1]	62155
1,10-Phenanthroline Anhydrous	[66-71-7]	62238
1,10-Phenanthroline 1 Hydrate ACS	[5144-89-8]	62242
1,10-Phenanthroline 1 HCL Monohydrate	[3829-86-5]	62246
Phenol Red Free Acid ACS	[143-74-8]	62272
Phenol Red Sodium Salt ACS	[34487-61-1]	62277

Product	CAS#	Our Code #
Phenolphthalein White ACS	[77-09-8]	62300
Potassium Acetate ACS	[127-08-2]	63560
Potassium Bromide ACS	[7758-02-3]	63600
Potassium Nitrate ACS	[7757-79-1]	63770
Potassium Oxalate 1 HY ACS	[6487-48-5]	63797
Potassium Periodate Meta ACS	[7790-21-8]	63800
Potassium Thiocyanate ACS	[333-20-0]	63812
1-Propanesulfonic Acid Sodium Salt 1HY HPLC	[304672-01-3]	63913
2-Propanesulfonic Acid Sodium Salt 1 HY HPLC	[5399-58-6]	63915
Pyrogallol ACS	[87-66-1]	64847
Reinacke Salt ACS	[13573-16-5]	69091
Salicylic Acid ACS	[69-72-7]	73500
Sodium Acetate 3 Hydrate ACS	[6131-90-4]	74210
Sodium Bismuthate ACS	[12232-99-4]	74242
Sodium Bromide ACS	[7647-15-6]	74290
Sodium Carbonate 1 Hydrate ACS	[5968-11-6]	74300
Sodium Cobaltnitrite ACS	[13600-98-1]	74305
Sodium Diethyldithiocarbamate 3 Hydrate ACS	[20624-25-3]	74312
Sodium Diphenylaminesulfonate ACS	[6152-67-6]	74340
Sodium Decyl Sulfate HPLC	[142-87-0]	74391
Sodium Dodecyl Sulfate	[151-21-3]	74440
Sodium Molybdate Dihydrate ACS	[10102-40-6]	74458
Sodium Nitrate ACS	[7631-99-4]	74498
Sodium Nitrite ACS	[7632-00-0]	74530

Product	CAS#	Our Code #
Sodium Nitroferricyanide dihydrate ACS	[13755-38-9]	74561
Sodium Octyl Sulfate HPLC	[142-31-4]	74575
Sodium Oxalate ACS	[62-76-0]	74583
Sodium Periodate Meta ACS	[7790-28-5]	74590
Sodium Tetraborate 10 Hydrate ACS	[1303-96-4]	75800
Sodium Thiocyanate ACS	[540-72-7]	75825
Sodium Tungstate 2 Hydrate ACS	[10213-10-2]	75851
SPADNS ACS	[23647-14-5]	75900
Stannous Chloride 2 Hydrate ACS	[10025-69-1]	76150
Strontium chloride 6 Hydrate ACS	[10025-70-4]	76220
Strontium Nitrate ACS	[10042-76-9]	76250
Succinic Acid ACS	[110-15-6]	76300
Sulfanilic Acid Anhydrous ACS	[121-57-3]	76452
Sulfobromophthalein Sodium	[123359-42-2]	76473
5-Sulfosalicylic Acid 2 Hydrate	[5965-83-3]	76550
Tannic Acid ACS	[1401-55-4]	77900
Tetraheptylammonium Bromide	[4368-51-8]	78020
Tetraoctylammonium bromide HPLC	[14866-33-2]	78023
3,3,5,5,-Tetramethylbenzidine	[54827-17-7]	78027
Tetrazolium Blue	[1871-22-3]	78030
Tetrazolium Violet	[1719-71-7]	78039
Thiazolyl Blue (MTT)	[298-93-1]	78096
Thiourea ACS	[62-56-6]	78173

Product	CAS#	Our Code #
Thymol Blue Free Acid ACS	[76-61-9]	78182
Thymol Blue Sodium Salt ACS	[62625-21-2]	78186
Thymolphthalein ACS	[125-20-2]	78222
Trichloroacetic Acid ACS	[76-03-9]	80150
2,3,5-Triphenyltetrazolium Chloride	[298-96-4]	80202
Urea Crystals ACS	[57-13-6]	83251
Xylenol Orange Tetrazolium Salt ACS	[3618-43-7]	93150
Zinc Acetate Dihydrate ACS	[5970-45-6]	94250
Zinc Sulfate 7 Hydrate ACS	[7446-20-0]	96350
Zincon Monosodium Salt ACS	[62625-22-3]	96410



<i>Product</i>	<i>CAS#</i>	<i>Our Code</i>	<i>CI #</i>	<i>Nomenclature</i>
Acid Blue 9	3844-45-9	00220	42090	Brilliant Blue FCF
Acid blue 29	5850-35-1	00241	20460	Mordant Blue 82
Acid Blue 40	6424-85-7	00282	62125	
Acid Blue 45	2861-02-1	00300	63010	Alizarin Saphirol B
Acid Green 25	4403-90-1	00381	61570	Alizarin Cyamine Green B
Acid Violet 17	4129-84-4	00522	42650	
Acridine Orange	10127-02-3	00910	46005	Basic Orange 14
Acridine Orange Base	494-38-2	00912	46005	Solvent Orange 15
Acridine Orange HCl	65-61-2	00965		
Acridine Yellow G	135-49-9	00920	00920	
Acriflavine HCl	8063-24-9	00965		
Acriflavine Neutral	8048-52-0	00969	46000	
Alcian Blue 8GX Cert.	33864-99-2	02701	74240	Ingrain Blue 1
Alcian Yellow	61968-76-1	02704	12840	Ingrain Yellow 1
Alizarin	72-48-0	02782	58000	Mordant Red 11
Alizarin Red S Cert.	130-22-3	02851	58005	Mordant Red 3
Alizarin Yellow GG	584-42-9	02861	14025	Mordant Yellow 1
Alizarin Yellow R	2243-76-7	02869	14030	Mordant Orange 1
Alizarin Yellow R Sodium Salt	1718-34-9	02872	14095	Mordant Yellow 3R
Alkali Blue 6B	30586-13-1	02882	42765	Acid Blue 110
Allura Red	25956-17-6	02890	16035	Food Red 17
Amaranth	915-67-3	03021	16185	Food Red 27
Amido Black 10B	1064-48-8	03112	16185	Acid Black 1
Aniline Blue W/S Cert.	28631-66-5	03350	42755	
Auramine O Cert.	2465-27-2	04217	41000	Basic Yellow 2
Azure A	531-53-3	04251	52005	

Product	CAS#	Our Code	CI #	Nomenclature
Azure B (1)	531-55-5	04255	52010	
Azure C	531-57-7	04258		
Azure II	37247-10-2	04263		
Azure II Eosinate	53092-85-6	04267		
Benzopurpurin 4B	992-59-6	05401	23500	Direct Red 2
Biebrich Scarlet	4196-99-0	05750	26905	Acid Red 66
Bismark Brown R	5421-66-9	05901	21010	Basic Brown 4
Bismark Brown Y Cert.	10114-58-6	05909	21000	Basic Brown 1
Brilliant Black BN	2519-30-4	08010	28440	Black BN
Brilliant Blue G250	6104-58-1	08061	42655	Acid Blue 90
Brilliant Blue R250	6104-59-2	08065	42660	Acid Blue 83
Brilliant Cresyl Blue Cert.	81029-05-2	08101	51010	
Brilliant Yellow	3051-11-4	08118	24890	Direct Yellow 4
Brilliant Green Cert.	633-03-4	08121	42040	Basic Green 1
Carmine (AlumLake) Cert.	1390-65-4	09450	75470	Natural Red 4
Carminic Acid 50%	1260-17-9	09460	75470	Natural Red 4
Carminic Acid 95%	1260-17-9	09464	75470	Natural Red 4
Celestine Blue	1562-90-9	09500	51050	Mordant Blue 14
Chicago Sky Blue 6B	2610-05-1	09601	24410	Direct Blue 1
Chlorazol Black E Cert.	1937-37-7	09656	30235	Direct Black 38
Chocolate Brown HT	4553-89-3	09981	20285	Food Brown 3
Chrome Azurol S	1667-99-8	10100	43825	Mordant Blue 29
Chromotrope 2B	548-80-1	10396	16575	Acid Red 176
Chromotrope 2R	4197-07-3	10401	16570	Acid Red 29
Chromotrope FB	3567-69-9	10405	14720	Mordant Blue 79
Chrysophenine	2870-32-8	10882	24895	

<i>Product</i>	<i>CAS#</i>	<i>Our Code</i>	<i>CI #</i>	<i>Nomenclature</i>
Cresyl Violet Acetate Cert.	10510-54-0	12166		Cresyl Fast Violet
Crocein Orange G	1934-20-9	12168	15970	Acid Orange 12
Crocein Scarlet 7B	6226-76-2	12171	27165	Acid Red 71
Crystal Scarlet	2766-77-0	12179	16250	Acid Red 44
Crystal Violet Cert.	548-62-9	12186	42555	Basic Violet 3
Crystal Violet Lactone	1552-42-7	12201		
Curcumin	458-37-7	12350	75300	Natural Yellow 3
4,5-Dibromofluorescein	596-03-2	13280	45370.1	Acid Orange II
Diethyl Safranine	4569-86-2	14154	50206	Methylene Violet 3RAX
Direct blue 71	4399-55-7	14351	34140	Sirius Light Blue BRR
Eosin B Spirit Soluble	56360-46-4	19246	45400	Acid Red 91
Eosin B Cert.	548-24-3	19251	45400	Acid Red 91
Eosin Y Cert.	17372-87-1	19256	45380	Acid Red 87
Eosin Y Free Acid	15086-94-9	19258	45380:2	Solvent Red 43
Eriochrome Black T ACS	1787-61-7	20300	14645	Mordant Black 11
Eriochrome Blue Black B	3564-14-5	20318	14640	Mordant Black 3
Eriochrome Blue Black R	2583-85-4	20320	15705	Mordant Black 17
Eriochrome Cyanine R	3564-18-9	20323	43820	Mordant Blue 3
Erioglaucine	3844-45-9	20336	42090	Acid Blue 9
Erythrosin B Spirit Soluble	15905-32-5	20350	45430:2	Solvent Red 140
Ethyl Eosin Cert.	6359-05-3	20455	45386	Solvent Red 45
Ethyl Violet	2390-59-2	20602	42600	Basic Violet 4
Evans Blue	314-13-6	20700	23860	Direct Blue 53
Fast Garnet GBC Base	97-56-3	21020	11160	Solvent Yellow 3
Fast Green F.C.F. Cert.	2353-45-9	21102	42053	Food Green 3
Fast Sulphon Black F	3682-47-1	21140	26990	Acid Black 32

<i>Product</i>	<i>CAS#</i>	<i>Our Code</i>	<i>CI #</i>	<i>Nomenclature</i>
Fat Brown RR	6416-57-5	21171	11285	Solvent Brown 1
Flavianic Acid Hydrate	483-84-1	22236		
Fluorescein USP	2321-07-5	23509	45330:1	Solvent Yellow 94
Fluorescein Free Acid USP	2321-07-5	23512	45350:1	Solvent Yellow 94
Fluorescein W/S	518-47-8	23517	45350	Acid Yellow 73
Fuchsin Acid Calcium Salt Cert. 123334-10-1		24494		Acid Magenta
Fuchsin Acid Cert.	3244-88-0	24502	42685	Acid Violet 19
Fuchsin Basic Cert.	632-99-5	24502	42510	Basic Violet 14
Gallocyanine	1562-85-2	25850	51030	Mordant Blue 10
Gentian Violet USP	548-62-9	26111	42555	Basic Violet 3
Giemsa Stain Cert.	51811-82-6	26201	42555	Basic Violet 3
Guinea Green B	4680-78-8	26350	42085	Acid Green 3
Hematoxylin Cert.	517-28-2	30123	75290	Natural Black 1
Indigo Carmine Cert.	860-22-0	34005	73015	Acid Blue 74
Indocyanine Green	3599-32-4	34015		Cardio Green
Janus Green B Cert.	2869-83-2	40450	11050	
Jenner Stain Cert.	62851-42-7	40500		
Lacmoid	42249-61-6	44100		
Leishman Stain	12627-53-1	46191		
Leuco Crystal Violet	603-48-5	46200		
Light Green S.F. Cert.	5141-20-8	46211	42095	
Lissamine Green B	3087-16-9	46217	44090	Acid Green 50
Luxol Fast Blue MBSN	1328-51-4	46357	74180	Solvent Blue 38
Malachite Green HCl	123333-61-9	49158		Basic Green 4
Malachite Green Oxalate	2437-29-8	49161	42000	Basic Green 4
Martius Yellow	605-69-6	49650	10315	Acid Yellow 24

Product	CAS#	Our Code	Cl #	Nomenclature
May-Grunwald Stain		49751		
Meldola's Blue	7057-57-0	50019	51175	Basic Blue 6
Metanil Yellow	587-98-4	50206	13065	Acid Yellow 36
Methyl Blue	28983-56-4	50240	42780	
Methylene Blue Cert.	7220-79-3	50255	52015	Basic Blue 9
Methylene Blue USP	7220-79-3	50261	52015	Basic Blue 9
Methylene Green, Zinc Chloride Double Salt	2679-01-8	50271	52020	Basic Green 5
Methylene Violet 3RAX	4569-86-2	50290	50206	Diethyl Safranine
Methyl Green C.I.42585	14855-76-6	50317	42585	Basic Green 5
Methyl Green C.I.42590 Cert.	7114-03-6	50320	42590	Ethyl Green
Methyl Violet 2B Cert.	8004-87-3	50422	42535	Basic Violet 1
Neutral Red, 90%	553-24-2	54145	50040	Basic Red 5
Neutral Red Cert.	553-24-2	54154	50040	Basic Red 5
New Coccine	2611-82-7	54156	16255	Basic Red 18
New Methylene Blue N	6586-05-6	54164	52030	Basic Blue 24
Nigrosin / Alcohol Soluble	11099-03-9	54188	50415	Solvent Black 5
Nigrosin W/S	8005-03-6	54191	50420	Acid Black 2
Nile Blue Chloride	2381-85-3	54218	51180	
Nile Blue A Certified	3625-57-8	54221	51180	Basic Blue 12
Nile Red	7385-67-3	54227		Nile blue A Oxazone
Nuclear Fast Red	6409-77-4	55400	60760	
Oil Red O Cert.	1320-06-5	57376	26125	Solvent Red 27
Orange II Cert.	633-96-5	57603	15510	Acid Orange 7
Orange IV	554-73-4	57620	13080	Acid Orange 5
Orange G Cert.	1936-15-8	57644	16230	Acid Orange 10
Orcein Synthetic Cert.	1400-62-0	58100		Natural Red 28

<i>Product</i>	<i>CAS#</i>	<i>Our Code</i>	<i>CI #</i>	<i>Nomenclature</i>
Pararosaniline Base	467-62-9	61185	42500	
Pararosaniline Acetate	6035-94-5	61188	42500	
Pararosaniline HCl Cert.	569-61-9	61192	42500	Basic Red 9
Pararosaniline Special For Flagella Staining	6035-94-5	61194	42500	
Para Red	6410-10-2	61198	12070	Pigment Red 1
Patent Blue A	3486-30-4	61208	42080	Acid Blue 7
Patent Blue VF	129-17-9	61210	42045	Acid Blue 1
Patent Blue V	3536-49-0	61216	42051	Acid Blue 3
Phenosafranin	81-93-6	62320	50200	
4-Phenylazophenol	1689-82-3	62335	11800	Solvent Yellow 7
Phloxine B Cert.	18472-87-2	62400	45410	Acid Red 18
Pinacyanol Chloride	2768-90-3	62445		Quinaldine Blue
Ponceau 4R	2611-82-7	63495	16255	Acid Red 18
Ponceau S Electrophoresis	6226-79-5	63502	27195	Acid Red 112
Ponceau SX	4548-53-2	63550	14700	Food Red 4
Primulin C.I. 49000	8064-60-6	63850	49000	Direct Yellow 59
N'Propyl Red	2641-01-2	64200		
Purpurin C.I. 58205	81-54-9	64701	58205	
Pyronin B Cert.	2150-48-3	64922	45010	
Pyronin Y Cert.	92-32-0	64931	45005	
Quercetin Dihydrate	6151-25-3	68100	75670	Natural Yellow 10
Quinoline Yellow W/S	8004-92-0	68301	47005	Acid Yellow 3
Reactive Blue 2	12236-82-7	69015	61211	Procion Blue H-B
Reactive Blue 4	13324-20-4	69020	61205	Procion Blue MX-R
Rhodamine B	81-88-9	70150	45170	Basic Violet 10

<i>Product</i>	<i>CAS#</i>	<i>Our Code</i>	<i>CI #</i>	<i>Nomenclature</i>
Rhodamine B Base	509-34-2	70153	45170:1	Solvent Red 49
Rhodamine 6G	989-38-8	70165	45160	Basic Red 1
Rose Bengal Cert.	632-69-9	70165	45440	Acid Red 9
Rosolic Acid	603-45-2	72201	43800	Aurin
Saffron	42553-65-1	73110	75100	Natural Yellow 6
Safranine O Cert.	477-73-6	73151	50240	Basic Red 2
Sirius Red	2610-10-8	74190	35780	Direct Red 80
Solvent Red 27	1320-06-5	75871	26125	
Stains-All	7423-31-6	76021		
Sudan II	3118-97-6	76356	12140	Solvent Orange 7
Sudan III Cert.	85-86-9	76373	26100	Solvent Red 23
Sudan IV Cert.	4197-25-5	76399	26150	Solvent Red 24
Sudan Black B Cert.	4197-25-5	76399	26150	Solvent Black 3
Sudan Orange G	2051-85-6	76410	11920	Solvent Orange 1
Sudan Red 7B	6368-72-5	76422	26050	Solvent Red 19
Tartrazine	1934-21-0	78005	19140	Acid Yellow 23
Thioflavin T	2390-54-7	78130	49005	Basic Yellow 1
Thionin Acetate Cert.	78338-22-4	78151	52000	
Titan Yellow	1829-00-1	78601	19540	Thiazole Yellow G
Toluidine Blue O Cert.	92-31-9	79150	52040	Basic Blue 17
Tropaeolin O	547-57-9	80027	14270	Acid Orange 6
Trypan Blue	72-57-1	80251	23850	Direct Blue 14
Victoria Blue B	2580-56-5	86795	44045	Basic Blue 26
Victoria Blue R	2185-86-6	86800	44040	Basic Blue 11
Water Blue 1	28631-66-5	92100	42755	Acid Blue 22

Product	CAS#	Our Code	CI #	Nomenclature
Wrights Stain Cert.	68988-92-1	92152		
Xylene Cyanol FF	2650-17-1	92496	42135	Acid blue 147
Xylene Cyanol FF	4463-44-9	92500	43535	
Xylidine Ponceau 2R	3761-53-3	93180	16150	Acid Red 26



*Our Certified Stains And Dyes are Certified by
the Biological Stains Commission.*

<i>Product</i>	<i>CAS#</i>	<i>Our Code #</i>
p-Acetamidobenzaldehyde 99%	122-85-0	00104
Acridine HCl	8063-24-9	00965
Acridine Neutral	8048-52-0	00969
ADA-Acetamidoiminodiacetic	26239-55-4	01020
1-Adamantanamine 99%	768-94-5	01092
1-Adamantanamine HCl	665-66-7	01095
Adamantane 99%	281-23-2	01201
1-Adamantanecarboxylic Acid	828-51-3	01210
1-Adamantanol 99%	768-95-6	01220
2-Adamantanol	700-57-2	01226
2-Adamantanone	700-58-3	01236
9-Aminoacridine HCl	52417-22-8	03141
4-Aminoantipyrine ACS	83-07-8	03148
2-Amino-6-Fluorobenzothiazole	348-40-3	03150
1-Amino-2-Naphthol HCl	52417-22-8	03141
2-Amino-3-Chlorobenzoic Acid	6388-47-2	03171
2-Amino-5-Chlorobenzoic Acid	635-21-2	03173
2-Amino-6-Chlorobenzoic Acid	2148-56-3	03176
3-Amino-4-Chlorobenzoic Acid	2840-28-0	03178
2-(2-Aminoethyl)pyridine	2706-56-1	03182
2-Amino-5-methylbenzoic acid	2941-78-8	03183
8-Aminoquinoline	578-66-5	03186
4-Amino-3-nitrophenol 98%	610-81-1	03192
Anthracene 99%	120-12-7	03642

<i>Product</i>	<i>CAS#</i>	<i>Our Code #</i>
Benzimidazole	51-17-2	05301
Bismuth Citrate USP	813-93-4	06101
Bismuth Nitrate ACS	10035-06-0	06131
Bismuth Subcarbonate USP	5892-10-4	06200
Bismuth Subgallate USP	99-26-3	06220
Bismuth Subnitrate USP/NF	1304-85-4	06240
Bismuth SubSalicylate USP	14882-18-9	06260
Bismuth Tribromophenate	5175-83-7	06281
2-Bromoadamantane 98%	7314-85-4	08126
3-Bromobenzoic Acid	585-76-2	08128
5-Bromo-2-chlorobenzoic acid	21739-92-4	08134
5-Bromoindole 99%	10075-50-0	08158
4-Bromoisoquinoline 98%	1532-97-4	08467
6-Bromo-2-Naphthol 98%	15231-91-1	08472
5-Bromovanillin	2973-76-4	08487
5-Bromo-2-nitropyridine	39856-50-3	08800
Calamine Powder USP	1314-13-2	09100
Cetyltrimethylammonium bromide	57-09-0	09550
1-Chloroadamantane 98%	935-56-8	09660
5-Chloroindole	17422-32-1	09682
2-Chloro-5-nitrobenzaldehyde	6361-21-3	09700
4-Chloro-3-nitrophenol 98%	610-78-6	09724
4-Chlorothymol	89-68-9	09890
Colloidal Silver	9015-51-4	10950

Product	CAS#	Our Code #
Creatinine	60-27-5	11662
4-Cyanophenylhydrazine HCl	2863-98-1	12501
2,7-Dibromofluorene	16433-88-8	13250
2,6-Dibromophenol	608-33-3	13400
2,3-Dichlorobenzoic Acid	50-45-3	14117
2,6-Dichlorobenzoic Acid	50-30-6	14120
3,5-Dichlorobenzoic Acid	51-36-5	14123
2,3-Dichloro-5,6-dicyano- 1,4-benzoquinone	84-58-2	14125
3,5-Dichloro-2-Hydroxy- benzenesulfonic Acid Sodium Salt	54970-72-8	14127
n,n-Diethyl-p-phenylene diamine oxalate	62637-92-7	14160
2,4-Dihydroxybenzaldehyde 99%	95-01-2	14162
3,5-Dimethoxyaniline 98%	10272-07-8	14168
2,3-Dimethoxybenzoic Acid	1521-38-6	14171
2,5-Dimethoxybenzoic Acid	2785-98-0	14175
3,4-Dimethoxybenzoic Acid	93-07-2	14178
3-(Dimethylamino)phenol 97%	99-07-0	14199
2,2-Dimethylsuccinic acid	597-43-3	14204
n,n-Dimethyl-p-phenylene diamine 1 HCl	2052-46-2	14215
n,n-Dimethyl-p-phenylene diamine Oxalate	62778-12-5	14217
2,4-Dinitrobenzaldehyde	528-75-6	14229
2,2'-Dipyridyl ACS	366-18-7	14301

Product	CAS#	Our Code #
Dithiooxamide 98%	79-40-3	14527
1,4-Dithiothreitol (DTT)	3483-12-3	14551
Dodecyl Gallate	1166-52-5	18540
Ethidium Bromide	1239-45-8	20420
EDTA Dipotassium Dihydrate	25102-12-9	20439
Ferrous Sulfate 7 Hydrate	7782-63-0	22221
Fluorene 99%	86-73-7	22252
9-Fluorenone 99%	486-25-9	22272
Guanine	73-40-5	26752
Guanosine	118-00-3	26802
2-Hydrazinobenzoic Acid HCl	52356-01-1	31177
4-Hydrazinobenzoic Acid Base	619-67-0	31180
4-Hydrazinobenzoic Acid HCl	24589-77-3	31182
Hydrindantin Dihydrate	5950-69-6	31251
Hydrocinnamic Acid	501-52-0	31402
3-Hydroxybenzaldehyde 98%	100-83-4	31702
7-Hydroxycoumarin	93-35-6	31702
3-Hydroxy-4-methylbenzoic Acid	586-30-1	32050
6-Hydroxynicotinic Acid 98%	5006-66-6	31702
N-Hydroxy Phthalimide	524-38-9	32103
3-Hydroxypicolinic Acid 98%	874-24-8	32110
6-Hydroxypicolinic Acid	19621-92-2	32112
2-Hydroxyquinoline	59-31-4	32129
5-Hydroxyquinoline	578-67-6	32132

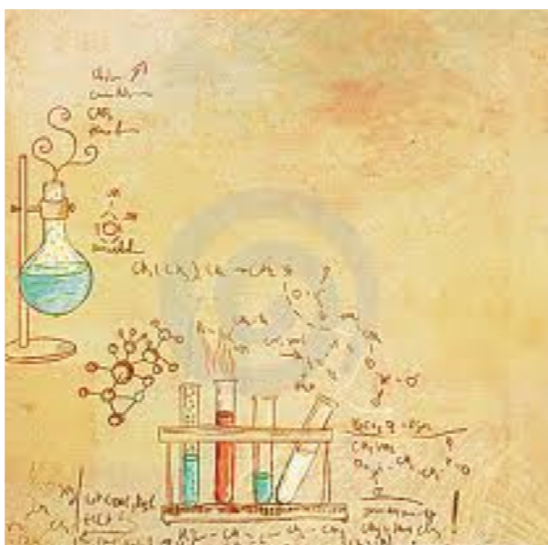
Product	CAS#	Our Code #
6-Hydroxyquinoline	580-16-5	32134
8-Hydroxyquinoline Sulfate	207386-91-2	32146
N-Hydroxy Succinimide	6066-82-6	32302
Indole-3-Acetic Acid	87-51-4	34027
Indole-3-Butyric Acid	133-32-4	34031
Indole-3-Carboxaldehyde	487-89-8	34034
Iodoform USP/BP/DAB	75-47-8	35160
Kojic Acid 99%	501-30-4	42023
Lithium Dodecyl Sulfate	2044-56-6	46220
Luminol	521-31-3	46311
Magnesium Dodecyl Sulfate 1HY	3097-08-3	49111
3-Methoxy-4-methylbenzoic Acid	7151-68-0	50208
5-Methoxyindole 99%	1006-94-6	50212
3-Methoxysalicylic Acid	877-22-5	50215
4-Methoxysalicylic Acid	2237-36-7	50217
2-Methyl-2-adamantanol	702-98-7	50230
Methylene Blue USP	7220-79-3	50261
Methyl Gallate 99%	99-24-1	50304
Methyl-3-Hydroxybenzoate	19438-10-9	50327
Methyl-4-hydroxyphenyl Acetate 99%	14199-15-6	50329
4-Methylsalicylic Acid 99%	50-85-1	50372
5-Methylsalicylic Acid 99%	89-56-5	50375
4-Methyl-5-Thiazolecarboxylic Acid 97%	20485-41-0	50379

Product	CAS#	Our Code #
Mucic Acid	526-99-8	52002
2-Naphthaldehyde 98%	66-99-9	53251
1-Naphthaleneacetic Acid	86-87-3	53340
2-Naphthoic Acid 99%	93-09-4	53356
Naphthoresorcinol	132-86-5	53370
Nickel II Bromide Anhydrous	13462-88-9	54170
4-Nitroanthranilic Acid	619-17-0	54331
2-Nitrobenzaldehyde	552-89-6	54352
4-Nitrobenzaldehyde	555-16-8	54358
3-Nitrobenzonitrile 99%	619-24-9	54370
2-Nitrobenzylalcohol 99%	612-25-9	54382
4-Nitrobenzylalcohol 99%	619-73-8	54388
p-Nitrobenzyl Bromide	100-11-8	54396
4-Nitrobenzyl Chloride	100-14-1	54399
1-Nitroso-R-Salt	525-05-3	55221
3-Noradamanatanecarboxylic Acid	16200-53-6	55301
Octyl Gallate	1034-01-1	57240
Orcinol Monohydrate	6153-39-5	58201
Oxonic Acid Potassium Salt	2207-75-2	58902
Phenanthrenequinone	84-11-7	62202
Phenylmercuric Acetate NF	62-38-4	62340
Phenylmercuric Nitrate NF	55-68-5	62370
Phloroglucinol 2 Hydrate	6099-90-7	62382
Phosphotungstic Acid Hydrate	12501-23-4	62420

Product	CAS#	Our Code #
o-Phthalaldehyde	643-79-8	62431
Praziquantel USP	55268-74-1	63825
Proflavine HCl	952-23-8	63879
Quinhydrone 98%	106-34-3	68182
Quinidine Sulfate 2 HY USP	6591-63-5	68192
Quinine HCl 2HY	6119-47-7	68222
Quinine Sulfate Dihydrate USP	6119-70-6	68234
Rhodizonic Acid Disodium Salt	523-21-7	71102
Silver Iodide Purified	7783-96-2	74130
Silver Protein Mild	9015-51-4	74151
Silver Protein Strong	9008-42-8	74160
Sodium Pyruvate	113-24-6	74682
Sodium Salicylate 99%	54-21-7	74820
Succinic Acid ACS	110-15-6	76300
Succinic Acid Disodium Salt 6HY	6106-21-4	76303
Succinic Acid Disodium Salt Anhydrous	150-90-3	76305
Succinic Anhydride	108-30-5	76308
Sulfobromophthalein Sodium	123359-42-2	76473
Tannic Acid ACS	1401-55-4	77900
Thiosemicarbazide 99%	79-19-6	78170
Thymine 99%	65-71-4	78176
Thymol NF	89-83-8	78178
Thymol Iodide	552-22-7	78200

Product	CAS#	Our Code #
Tiron	149-45-1	78401
1,2,4-Triazole 99%	288-88-0	79251
3,4,5-Trimethoxyaniline 98%	24313-88-0	80165





Dudley Chemical has invested many hours of time & effort to making customer satisfaction with our products, their top priority.



We are always adding New Products. Don't be hesitant to call us if a custom project / product is what you are looking for.



Alphabetical Order			
Product	CAS#	Our Code #	pH Range & Color Change
Alizarin Complexone 2HY	3952-78-1	02793	
Alizarin Red S	130-22-3	02851	Y 4.6-6.0 R
Alizarin Yellow GG	584-42-9	02861	C 10.0-12.0 Y
Alizarin Yellow R	1718-34-9	02872	Y 10.0-12.0 R
Benzopurpurin 4B	992-59-6	05401	V 1.2-4.0 R
Brilliant Green	633-03-4	08121	Y 0.0-2.6 G
Brilliant Yellow	3051-11-4	08118	Y 6.4-8.0 O
Bromochlorophenol Blue SS	102185-52-4	08138	Y 3.0-4.6 B
Bromocresol Green F. A. ACS	76-60-8	08142	Y 3.8-5.4 B
Bromocresol Green S.S. ACS	62625-32-5	08146	Y 3.8-5.4 B
Bromocresol Purple F.A. ACS	115-40-2	08152	Y 5.2-6.8 P
Bromocresol Purple S.S. ACS	62625-30-3	08156	Y 5.2-6.8 P
Bromophenol Blue F.A. ACS	115-39-9	08162	Y 3.0-4.6 B
Bromophenol Blue S.S. ACS	34722-90-2	08176	Y 3.0-4.6 B
Bromophenol Red F.A. ACS	2800-80-8	08440	O 5.2-6.8 P
Bromophenol Red S.S. ACS	102185-50-2	08443	O 5.2-6.8 P
Bromothymol Blue F.A. ACS	76-59-5	08172	Y 6.0-7.6 B
Bromothymol Blue S.S. ACS			Y 6.0-7.6 B
Bromoxyleneol Blue	40070-59-5	08490	O 5.7-7.5 B
Calconcarboxylic Acid	3737-95-9	09268	O 5.7-7.5 B
Carminic Acid	1260-17-9	09464	Y 4.8-6.2 P
Chlorophenol Red	4430-20-0	09801	Y 5.0-6.6 R
Congo Red	573-58-0	11100	B 3.0-5.0 R
o-Cresolphthalein	596-27-0	12100	C 8.2-9.8 R

Alphabetical Order

Product	CAS#	Our Code #	pH Range & Color Change
o-Cresolphthalein Complexone ACS	2411-89-4	12102	C 8.2-9.8 R
o-Cresolphthalein Complexone Sodium Salt	94442-10-1	12103	C 8.2-9.8 R
Meta-Cresol Purple	2303-01-7	12130	R 1.0-2.8 Y
Meta-Cresol Purple W/S	62625-31-4	12135	Y 7.4-9.0 P
Cresol Red	1733-12-6	12152	Y 7.0-8.8 R
Cresol Red	62625-29-0	12157	R 1.0-2.0 Y
Crystal Violet	548-62-9	12186	Y 0.0-1.8 B
Curcumin	458-37-7	12350	Y 7.4-8.6 R R 10.2-11.8 O
Eriochrome Blue Black R	2538-85-4	20320	
Erythrosin B	16423-68-0	20354	O 2.2-3.6 R
Ethyl Orange Sodium Salt	62758-12-7	20507	R 3.2-4.8 Y
Ethyl Red Indicator	76058-33-8	20582	R 4.5-6.5 Y
Ethyl Violet	2390-59-2	20602	Y 0.0-1.8 B
Fast Garnet GBC Base	97-56-3	21020	O 1.4-2.8 Y
Fast Sulphon Black F	3682-47-1	21140	
Fluorexon / Calcein	1461-15-0	23701	Lt G 6.0-7.2 DG
Fuchsin Acid	3244-88-0	24498	R 12.0-14.0 C
Fuchsin Basic	632-99-5	24524	P 1.2-3.0 R
Hematoxylin	517-28-2	30118	Y 5.0-6.0 V/B
Indigo Carmine	860-22-0	34001	B 11.4-13.0 Y
Iodine Indicator	9005-84-9	34024	

Alphabetical Order			
Product	CAS#	Our Code #	pH Range & Color Change
p-Iodonitrotetrazolium Violet	146-68-9	35198	
Lacmoid	42249-61-6	44100	R 4.2-6.4 B
Litmus	1393-92-6	46252	R 4.5-8.3 B
Malachite Green Oxalate	2437-29-8	49161	Y 0.2-1.8 B
Metalphthalein ACS	2411-89-4	50202	C 8.2-9.8 R
Metanil Yellow	587-98-4	50206	R 1.2-3.0 Y
Methyl Green	7114-03-6	50321	Y 0.2-1.8 B
Methyl Orange ACS	547-58-0	50341	R 3.2-4.4 Y
Methyl Red Free Acid ACS	493-52-7	50362	R 4.4-6.2 Y
Methyl Red HCL ACS	63451-28-5	50364	R 4.4-6.2 Y
Methyl Red Sodium Salt ACS	845-10-3	50368	R 4.4-6.2 Y
Methylthymol Blue Sodium Salt ACS	1945-77-3	50390	Y 6.5-8.5 B
Methyl Violet 2B	8004-87-3	50422	Y 0.0-2.0 B
Morin Hydrate	480-16-0	51601	
Murexide ACS	3051-09-0	52151	4.0-7.3
Naphtholbenzein	145-50-6	53359	C 8.2-10.0 B
Naphthol Green B ACS	19381-50-1	53361	
a-Naphtholphthalein	596-01-0	53365	Br 7.1-8.3 B
1-Naphthol Red HCl	83833-14-1	53400	R/Y 3.7-5.0 O
Neutral Red	553-24-2	54150	R 6.8-8.0 A
Nile Blue A	3625-57-8	54221	B 10.0-11.0 P/R
3-Nitrophenol 99% (m-Nitrophenol)	554-84-7	54802	C 6.8-8.6 Y

Alphabetical Order

Product	CAS#	Our Code #	pH Range & Color Change
4-Nitrophenol (p-Nitrophenol)	100-02-7	54805	C 5.4-7.6 Y
Orange IV	554-73-4	57620	R 1.4-2.8 Y
1-(2-Pyridylazo)-2-Naphthol	85-85-8	61151	
P.A.R. Free Acid ACS	1141-59-9	61179	
P.A.R. Monosodium ACS	16593-81-0	61182	
Patent Blue VF	129-17-9	61210	Y 0.8-3.0 B
Phenol Red Free Acid ACS	143-74-8	62272	Y 6.8-8.4 R
Phenol Red Sodium Salt ACS	34487-61-1	62277	Y 6.8-8.4 R
Phenolphthalein White ACS/USP	77-09-8	62300	C 8.0-10.0 R
4-(Phenylazo) diphenylamine	101-75-7	62334	R 1.2-2.5 Y
Propyl Red	2641-01-2	64200	R 4.6-6.6 Y
Pyrocatechol Violet	115-41-3	64825	Y-B-G
Pyrogallol ACS	87-66-1	64847	Y 3.8-6.6 R Pink 10.6-13.0 P
Quinaldine Red	117-92-0	68150	C 1.0-2.2 R C 1.4-3.2 R
Resazurin	62758-13-8	69101	O 3.8-6.5 Y
SPADS ACS	23647-14-5	75900	
Stains-All	7423-31-6	76021	C 2.4-3.4 P
Thiazolyl Blue (MTT)	298-93-1	78096	
Thorin I	3688-92-4	78174	

INDICATORS

Alphabetical Order

<i>Product</i>	<i>CAS#</i>	<i>Our Code #</i>	<i>pH Range & Color Change</i>
Thymol Blue Free Acid ACS	76-61-9	78182	R 1.2-2.8 Y Y 8.0-9.2 B
Thymol Blue Sodium Salt ACS	62625-21-2	78186	R 1.2-2.8 Y Y 8.0-9.2 B
Thymolphthalein ACS	125-20-2	78222	C 8.8-10.5 B
Thymolphthalein Complexone	1913-93-5	78225	Y 9.3-10.5 R
Tropaeolin O	547-57-9	80027	Y/R 1.1-12.7 O
Xylenol Blue	125-31-5	93050	Y 8.0-9.6 B
Xylenol Orange Tetra- Sodium Salt ACS	3618-43-7	93150	Y 6.4-10.4 R



pH Range Order

pH Range & Color Change	CAS#	Our Code #	Product
Y 0.0-2.0 B	8004-87-3	50422	Methyl Violet 2B
Y 0.0-1.8 B	548-62-9	12186	Crystal Violet
Y 0.0-1.8 B	2390-59-2	20602	Ethyl Violet
Y 0.0-2.6 G	633-03-4	08121	Brilliant Green
Y 0.2-1.8 B	2437-29-8	49161	Malachite Green Oxalate
Y 0.2-1.8 B	7114-03-6	50321	Methyl Green
Y 0.8-3.0 B	129-17-9	61210	Patent Blue VF
R 1.0-2.0 Y	62625-29-0	12157	Cresol Red
C 1.0-2.2 R	117-92-0	68150	Quinaldine Red
R 1.2-3.0 Y	587-98-4	50206	Metanil Yellow
R 1.2-2.5 Y	101-75-7	62334	4-(Phenylazo)diphenylamine
R 1.0-2.8 Y	2303-01-7	12130	Meta-Cresol Purple
Y/R 1.1-12.7 O	547-57-9	80027	Tropaeolin O
R 1.2-2.8 Y	76-61-9	78182	Thymol Blue
P 1.2-3.0 R	632-99-5	24524	Fuchsin Basic
R 1.4-2.8 Y	554-73-4	57620	Orange IV
O 1.4-2.8 Y	97-56-3	21020	Fast Garnet GBC Base
C 1.4-3.2 R	117-92-0	68150	Quinaldine Red
V 1.2-4.0 R	992-59-6	05401	Benzopurpurin 4B
O 2.2-3.6 R	16423-68-0	20354	Erythrosin B
C 2.4-3.4 P	7423-31-6	76021	Stains-All
Y 3.0-4.6 B	34722-90-2	08176	Bromophenol Blue
Y 3.0-4.6 B	102185-52-4	08138	Bromochlorophenol Blue
B 3.0-5.0 R	573-58-0	11100	Congo Red

				pH Range Order
pH Range & Color Change	CAS#	Our Code #	Product	
R 3.2-4.4 Y	547-58-0	50341	Methyl Orange ACS	
R 3.2-4.8 Y	62758-12-7	20507	Ethyl Orange Sodium Salt	
R/Y 3.7-5.0 O	83833-14-1	53400	1-Naphthol Red HCl	
Y 3.8-5.4 B	62625-32-5	08146	Bromocresol Green	
O 3.8-6.5 Y	62758-13-8	69101	Resazurin	
Y 3.8-6.6 R	87-66-1	64847	Pyrogallol ACS	
K 4.2-6.2 Y	63451-28-5	50364	Methyl Red ACS	
R 4.2-6.4 B	42249-61-6	44100	Lacmoid	
R 4.5-6.5 Y	76058-33-8	20582	Ethyl Red	
R 4.5-8.3 B	1393-92-6	46252	Litmus	
Y 4.6-6.0 R	130-22-3	02851	Alizarin Red S	
R 4.6-6.6 Y	2641-01-2	64200	Propyl Red	
Y 4.8-6.2 P	1260-17-9	09464	Carminic Acid	
Y 5.0-6.0 V/B	517-28-2	30118	Hematoxylin	
Y 5.0-6.6 R	4430-20-0	09801	Chlorophenol Red	
Y 5.2-6.8 P	62625-30-3	08156	Bromocresol Purple	
O 5.2-6.8 P	2800-80-8	08440	Bromophenol Red	
C 5.4-7.6 Y	100-02-7	54805	4-Nitrophenol (p-Nitrophenol)	
O 5.7-7.5 B	40070-59-5	08490	Bromoxyleneol Blue	
O 5.7-7.5 B	3737-95-9	09268	Calconcarboxylic Acid	
Lt G 6.0-7.2 DG	1461-15-0	23701	Fluorexon / Calcein	
Y 6.0-7.6 B	76-59-5	08172	Bromothymol Blue F.A. ACS	
Y 6.4-8.0 O	3051-11-4	08118	Brilliant Yellow	

pH Range Order

pH Range & Color Change	CAS#	Our Code #	Product
Y 6.4-10.4 R	3618-43-7	93150	Xylenol Orange Tetra-Sodium Salt
Y 6.5-8.5 B	1945-77-3	50390	Methylthymol Blue
Y 6.8-8.4 R	143-74-8	62272	Phenol Red
R 6.8-8.0 A	553-24-2	54150	Neutral Red
C 6.8-8.6 Y	554-84-7	54802	3-Nitrophenol 99% (m-Nitrophenol)
Y 7.0-8.8 R	1733-12-6	12152	Cresol Red
Br 7.1-8.3 B	596-01-0	53365	a-Naphtholphthalein
Y 7.4-8.6 R	458-37-7	12350	Curcumin
Y 7.4-9.0 P	62625-31-4	12135	Meta-Cresol Purple
Y 8.0-9.2 B	62625-21-2	78186	Thymol Blue
Y 8.0-9.6 B	125-31-5	93050	Xylenol Blue
C 8.0-10.0 R	77-09-8	62300	Phenolphthalein White ACS/USP
C 8.2-9.8 R	596-27-0	12100	o-Cresolphthalein
C 8.2-9.8 R	2411-89-4	50202	Metalphthalein ACS
C 8.2-10.0 B	145-50-6	53359	Naphtholbenzein
C 8.8-10.5 B	125-20-2	78222	Thymolphthalein ACS
B 10.0-11.0 P/R	3625-57-8	54221	Nile Blue A
Y 10.0-12.0 R	1718-34-9	02872	Alizarin Yellow R
C 10.0-12.0 Y	584-42-9	02861	Alizarin Yellow GG
R 10.2-11.8 O	458-37-7	12350	Curcumin
Pink 10.6-13.0 P	87-66-1	64847	Pyrogallol
B 11.4-13.0 Y	860-22-0	34001	Indigo Carmine
R 12.0-14.0 C	3244-88-0	24498	Fuchsin Acid



Packaging from 50 grams to 50 kilo net drums.

A TABLE OF CONVERSION FACTORS

To Convert From	To	Multiply by	To Convert From	To	Multiply by
Angstrom units	centimeters	1×10^{-8}	Drams (avoirdupois)	grams	1.7718
Angstrom units	inches	3.937×10^{-9}	Drams (avoirdupois)	ounces(avoirdupois)	0.0625
Angstrom units	microns	0.0001	Drams (avoirdupois)	pounds(avoirdupois)	0.003906
Atmospheres	dynes/sq. cm	1.0133×10^6	Drams (U.S.,fluid)	cubic centimeters	3.6967
Atmospheres	mm of mercury	760	Drams (U.S. fluid)	ounces (fluid)	0.125
Btu (mean)	calories,	251.98	Feet (U.S. Survey)	centimeters	30.4801
	Gram (mean)		Foot-pounds	btu (mean)	0.0012841
Btu (mean)	Foot-pounds	778.7	Gallons (U.S.)	cubic centimeters	3785.412
Btu (mean)	joules (abs)	1055.8	Gallons (U.S.)	cubic feet	0.1337
Calories, gram (mean)	btu (mean)	3.9685×10^{-3}	Gallons (U.S.)	gallons (British)	0.8327
Calories, gram (mean)	foot-pounds	3.0904	Gallons (U.S.)	liters	3.78541
Candle power (spherical)	lumens	12.566	Gallons (U.S.)	minims	61440
Centimeters	angstrom units	1×10^8	Gallons (U.S.)	ounces (U.S. fluid)	128
Centimeters	feet (U.S.)	0.0328	Gallons (U.S.)	pounds (avoirdupois)	8.328
Centimeters	inches (U.S.)	0.3937		Of water at 60°F	
Centimeters	miles (U.S., statute)	6.2137×10^{-6}	Grains	drams (avoirdupois)	0.03657
Cm of mercury at 0°C	atmospheres	0.0132	Grains	grams	0.0648
Centimeters/second	feet/minute	1.9685	Grains	drams (avoirdupois)	0.5644
Centimeters/second	miles/hour	0.0224	Grams	grains	15.4324
Coulombs	Ab coulombs	0.1	Grams	ounces (avoirdupois)	0.0353
Cubic Centimeters	cubic feet (U.S.)	3.5314×10^{-5}	Grams	pounds (avoirdupois)	0.0022
Cubic Centimeters	cubic inches (U.S.)	0.0610	Horsepower	btu (mean)/hour	2542.48
Cubic Centimeters	gallons (U.S.)	2.6417×10^{-4}	Horsepower	calories, kg (mean)/ min	10.688
Cubic Centimeters	milliliters	0.999972	Horsepower	kilowatts	0.7457
Cubic Centimeters	ounces (U.S., fluid)	0.0338	Horsepower	watts	745.70
Cubic Centimeters	pints (U.S., liquid)	0.0021	Inches (U.S.)	centimeters	2.5400
Cubic Centimeters	quarts (U.S., liquid)	0.0011	Inches (U.S.)	millimeters	25.4001
Cubic Feet (U.S.)	cubic centimeters	28316.847	Joules (abs)	calories, gram(mean)	0.23866
Cubic Feet (U.S.)	liters	28.317	Joules (abs)	ergs	1×10^7
Cubic Feet (U.S.)	quarts (U.S., liquid)	29.922	Kilograms	pounds(avoirdupois)	2.2046
Cubic ft. of water (60°F)	pounds	62.37	Kilowatts (abs)	btu (mean)/hr.	3409.52
Cubic inches (U.S.)	cubic centimeters	16.3872	Liters	cubic centimeters	1000
Cubic inches (U.S.)	cubic feet (U.S.)	5.7870×10^{-4}	Liters	gallons (U.S.)	0.2642
Cubic meters	cubic feet (U.S.)	35.3147	Liters	ounces (U.S., fluid)	33.8140
Cubic meters	cubic inches (U.S.)	61023.74	Liters	pints (U.S., liquid)	2.11337
Degrees	circles	0.0028	Meters	feet (U.S.)	3.2808
Drams (apothecaries or troy)	drams (avoirdupois)	2.1943	Meters	inches (U.S.)	39.37
Drams (avoirdupois)	drams (apothecaries		Microns	centimeters	1×10^{-4}
	Or troy)	0.4557	Microns	inches	3.937×10^{-5}
Drams (avoirdupois)	grains	27.34375	Miles/Hour	centimeters/second	44.704
			Miles/Hour	feet/second	1.4667

<u>To Convert From</u>	<u>To</u>	<u>Multiply by</u>
Milligrams	grains	0.01543
Milligrams	ounces (avoirdupois)	3.5274×10^{-5}
Milligrams	pounds (avoirdupois)	2.20462×10^{-6}
Milliliters	cubic centimeters	1.0000
Milliliters	ounces (U.S., fluid)	0.0338
Milliliters	pints (U.S., liquid)	0.00211
Ounces (U.S., fluid)	gallons (U.S.)	7.812×10^{-3}
Ounces (U.S., fluid)	liters	0.0296
Ounces (U.S., fluid)	milliliters	29.5727
Pints (U.S., liquid)	cubic centimeters	473.176
Pints (U.S., liquid)	cubic inches	28.875
Pints (U.S., liquid)	liters	0.4732
Pounds (avoirdupois)	grains	7000
Pounds (avoirdupois)	grams	453.5924
Pounds (avoirdupois)	pounds (troy)	1.2153
Pounds of water (39.2°F)	gallons (U.S.)	0.1198
Quarts (U.S., liquid)	cubic centimeters	946.353
Quarts (U.S., liquid)	liters	0.9463
Square centimeters	square inches (U.S.)	0.1550



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Dudley Chemical Corporation

Dudley Chemical Corporation

Email: dudley@dudley-chem.com

US Phone: 732-886-3100

Fax Phone: 732-886-3688