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1,10-PHENANTHROLINE MONOHYDRATE 99% AR

Product Code.	01966	Grade	AR
Purity	99%	CAS No.	5144-89-8
Molecular Formula	C 1 2 H 8 N 2 .H 2 O	Molecular Weight	198.23
H.S.Code	2933.99900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Melting point/ Freezing point[°C]	88 °C
Vapour density	6.2	Solubility in water [% weight]	Soluble in water		

Packaging



Specification

Appearance	White crystals or crystalline powder
Assay	Min 99.0%
Identity (IR)	Conforms
Melting point	97-102°C
Sensitivity for iron	1:10,000,000 (Passes ACS test)
Sulphated ash	Max 0.05%
Suitability (as redox indicator)	Passes ACS test

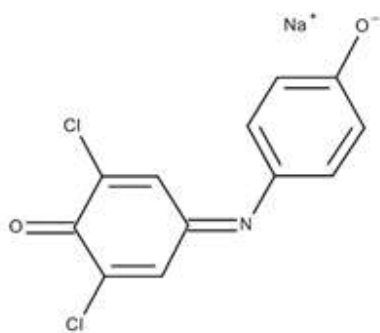
Safety Information and Hazard Symbols

Symbol: GHS06, GHS09 Signal Word: Danger UN No.: 2811 IMCO Class No.: 6.1 Packing Group: III Hazardous Statement: H301-H410 Precaution Statement: P273-P301 + P310-P501

2,6-DICHLOROPHENOL INDOPHENOL SODIUM SALT 98% AR

For the determination of ascorbic acid & Vitamin C. Redox indicator for biological work. 2,6-Dichlorobenzenone-indophenol sodium salt, 2,6-Dichloroindophenol sodium salt; 2,6-Dichlorophenolindophenol sodium salt hydrate; 2,6-Dichloro-N-(4-hydroxyphenyl)-1,4-benzoquinoneimine sodium salt; DCIP; DPIP; DCPIP

Product Code.	00974	Grade	AR
Purity	98%	CAS No.	620-45-1
Molecular Formula	C ₁₂ H ₆ Cl ₂ NNaO ₂ ·2H ₂ O	Molecular Weight	326.11
H.S.Code	2925.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark green	Odour	Odorless
Vapour density	11.2	Solubility in water [% weight]	Soluble in water		

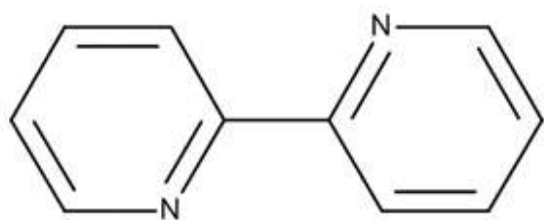
Specification

Appearance	A dark green colored powder
Assay	Min 98.0%
Identity (IR)	Passes test
Loss on drying	Max 12.0%
Foreign dyes	Passes test

2-2-BIPYRIDYL 99.5% AR

Reagent for colorimetric determination of iron base for oxidation-reduction indicator. 2,2'-Bipyridine, 2,2'-Dipyridine, 2,2'-Dipyridyl

Product Code.	00418	Grade	AR
Purity	99.5%	CAS No.	366-18-7
Molecular Formula	C10H8N2	Molecular Weight	156.19
H.S.Code	2933.39900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Characteristic odour
Melting point/ Freezing point [°C]	69 - 71 °C	Boiling point [°C]	272-275 ° C	Initial boiling point [°C]	272° C
Final boiling point [°C]	275 ° C	Solubility in water [% weight]	Soluble in water		

Packaging



Specification

Appearance	Cream colored crystalline powder
Assay	Min 99.5%
Melting point	69 - 72°C

Sensitivity for Iron (Fe)	Min 1:10,000,000
Acid insoluble matter	Passes test
Sulphated ash	Max 0.05%

Safety Information and Hazard Symbols

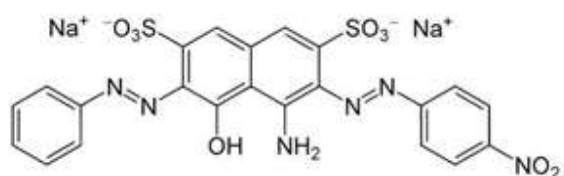


Symbol: GHS06
Signal Word: Danger
UN No.: 2811
IMCO Class No.: 6.1
Packing Group: III
Hazardous Statement: H301-H315-H319-H335
Precaution Statement: P261-P301 + P310-P305 + P351 + P338

AMIDO BLACK 10B 80% DYE CONTENT EXTRA PURE (NAPHTHALENE BLACK 12B)

C.I. No. 20470 It is an amino acid staining diazo dye used in biochemical research to stain for total protein on transferred membrane blots. Naphthalene Black 12B, Acid Black 1

Product Code.	00140	Grade	
Purity	80% dye content	CAS No.	1064-48-8
Molecular Formula	C ₂₂ H ₁₄ N ₆ Na ₂ O ₉ S ₂	Molecular Weight	616.50
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Blackish crystalline	Flash point [°C]	30 °C
Solubility in water [% weight]	Moderate (1-10%)				

Packaging



Specification

Appearance	Brown to dark brown, blackish powder
Dye content (titanometric)	Min 80%
Absorption maxima in water	617 - 620 nm

Loss on dryig (at 110°C)	Max 10%
Suitability (as redox indicator)	Passes test
Suitability (for electrophoresis)	Passes test

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

CACOTHELIN AR (REDOX INDICATOR)

Reagent for Tin and Vanadium redox indicator for Fe (III) and Ca. Nitrobrucine

Product Code.	00592	Grade	
Purity	95%	CAS No.	561-20-6
Molecular Formula	C ₂₁ H ₂₁ N ₃ O ₇ HNO ₃ .H ₂ O	Molecular Weight	508.44
H.S.Code	3204.90000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White to yellow crystal
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Packaging



Specification

Appearance	Orange colored powder.
Assay (ex N)	Min 95%
Water (H ₂ O)	Max 5.0%
Sulphated ash	Max 0.1%
Suitability (for determination of metal)	Passes test

Safety Information and Hazard Symbols

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FERROIN 0.025M SOLUTION AR

1,10-Phenanthroline-ferrous sulphate complex solution

Product Code.	01221	Grade	AR
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3822.00900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Dark red solution	Odour	Odorless
Density [g/cm ³]	1.006	Solubility in water [% weight]	Soluble in water		

Packaging

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Specification

Appearance	Dark red solution
Specific Absorptivity A1%1 cm (? max; 0.2% i.e.0.3ml dilute to 100ml buffer pH4.0)	2.4-2.8
Application test	Conforms

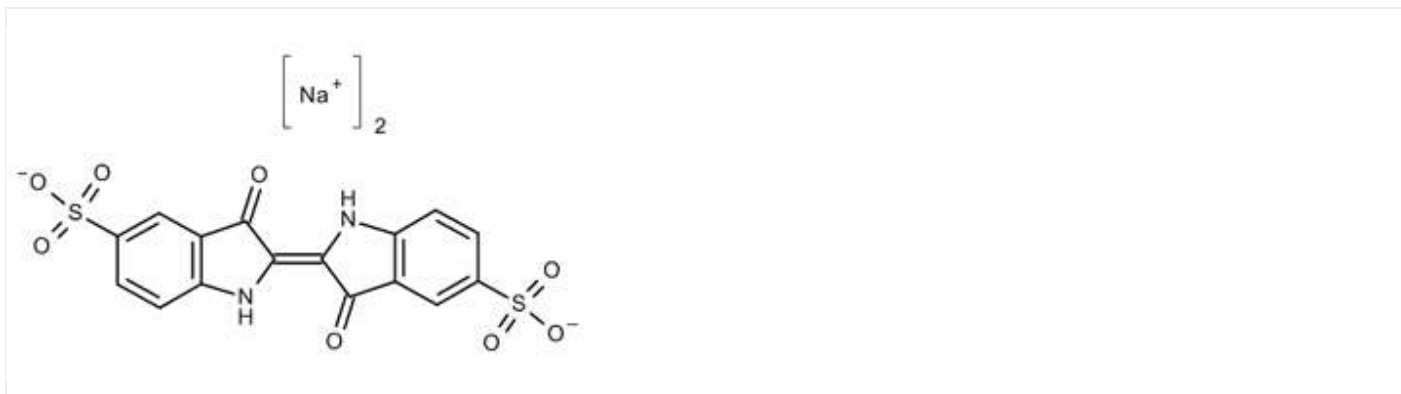
Safety Information and Hazard Symbols

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INDIGO CARMINE AR

C.I.No.73015 Acid Blue 74

Product Code.	01438	Grade	AR
Purity		CAS No.	860-22-0
Molecular Formula	C ₁₆ H ₈ N ₂ Na ₂ O ₈ S ₂	Molecular Weight	466.36
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark blue to violet	Odour	Light odour
Melting point/ Freezing point [°C]	> 300 °C	Solubility in water [% weight]	1 gm/100 ml water		

Specification

Appearance	Dark blue-violet powder having a metallic luster of copper.
Absorption maxima in water	608 - 612 nm
Specific absorptivity A 1%/1cm (I _{max} ; 0.001 %; water)	380 - 475
Loss on dryig (at 110°C)	Max 10%
Suitability (for microscopy)	Passes test

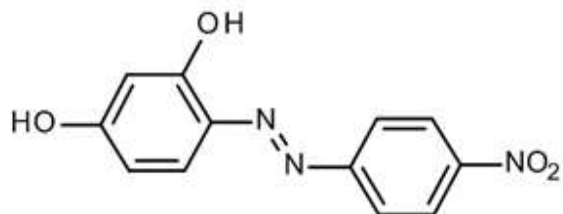
Safety Information and Hazard Symbols

Symbol: GHS07 Signal Word: Warning Hazardous Statement: H302

MAGNESON I AR

4-(4-Nitrophenylazo) resorcinol; Azoviolet

Product Code.	01608	Grade	
Purity		CAS No.	74-39-5
Molecular Formula	C12H9N3O4	Molecular Weight	259.22
H.S.Code	2927.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Red powder	Odour	Odorless
Melting point/ Freezing point [°C]	195 - 200 °C	Solubility in water [% weight]	Insoluble in water		

Specification

Appearance	Red powder
Ash content	Max 0.5%
Sensitivity	Detects min 1 ppm Mg
Absorption maxima (methanol + 1 ml of 0.1 N NaOH)	439 - 445 nm
Absorptivity (A 1%/1cm; at lmax)	1430
Loss on dryig (at 110°C)	Max 8%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

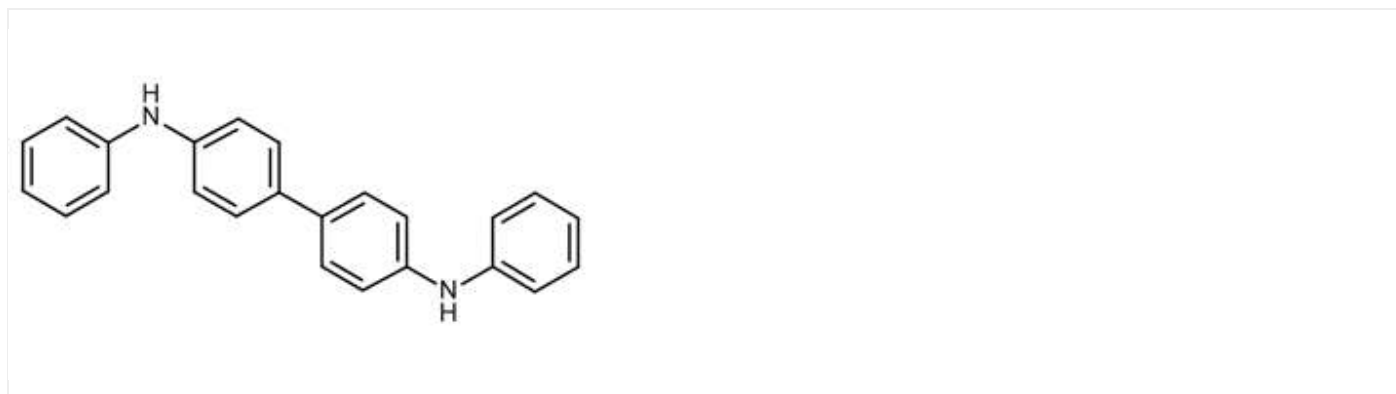
Hazardous Statement: H315-H319

Precaution Statement: P305 + P351 + P338

N,N'-DIPHENYL BENZIDINE 98% AR

Oxidation reduction indicator N,N-Diphenyl Diphenylamine;N,N'-diphenylbiphenyl-4,4'-diamine;N,N'-DIPHENYL BIPHENYLAMINE;N,N-Diphenylbenzidine;N,N'-Diphenyl-[1,1'-biphenyl]-4,4'-diamine;N,N'-Diphenylbenzidine DPB;

Product Code.	01077	Grade	
Purity	98.0%	CAS No.	531-91-9
Molecular Formula	C24H20N2	Molecular Weight	336.44
H.S.Code	2921.59900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Grey colour	Melting point/ Freezing point [°C]	246 - 248 °C
Flash point [°C]	93.3°C	Vapour density	11.6		

Packaging

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Specification

Appearance	White to Off white to beige to grey crystalline powder
Assay	Min 98.0%
Melting range	244 - 247 deg C
Sensitivity for nitrate	1:700000

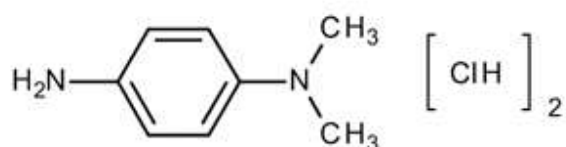
Safety Information and Hazard Symbols

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N,N-DIMETHYL P-PHENYLENEDIAMINE DIHYDROCHLORIDE 99.5% AR

4-Amino-N,N-dimethylaniline dihydrochloride; DMPD · 2HCl; DMPPDA · 2HCl

Product Code.	01044	Grade	AR
Purity	99.5%	CAS No.	536-46-9
Molecular Formula	C8H14Cl2N2	Molecular Weight	209.12
H.S.Code	2921.51900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Melting point/ Freezing point [°C]	222 °C
Evaporation rate	0	Solubility in water [% weight]	Appreciable (> 10%)	Partition coefficient Log Pow octanol / water at 20°C	1.608

Packaging

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Specification

Appearance	White to beige to pink to grey crystalline powder
Assay (acidimetric)	Min 99.5%
Sulphate (SO4)	Max 0.005%
Sulphated ash	Max 0.05%
Rapidly darkens on exposure to air	-

Safety Information and Hazard Symbols



Symbol: GHS06

Signal Word: Danger

UN No.: 2811

IMCO Class No.: 6.1

Packing Group: II

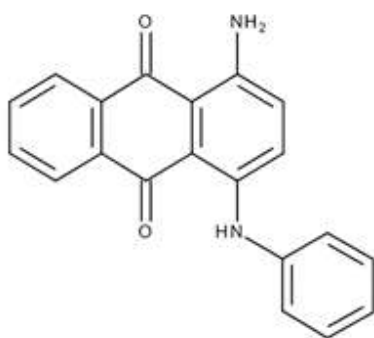
Hazardous Statement: H311-H319-H331

Precaution Statement: P261-P280-P305 + P351 + P338-P311

ORACET BLUE 2R

C.I.No.61110 Disperse blue 19, 1-Amino-4-anilinoanthraquinone

Product Code.	01891	Grade	
Purity		CAS No.	4395-65-7
Molecular Formula	C20H14N2O2	Molecular Weight	314.34
H.S.Code	3204.19750	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Blue violet	Odour	Odorless
Melting point/ Freezing point [°C]	194 °C	Auto-ignition temperature [°C]	590°C	Density [g/cm3]	1.3
Solubility in water [% weight]	Insoluble in water				

Packaging

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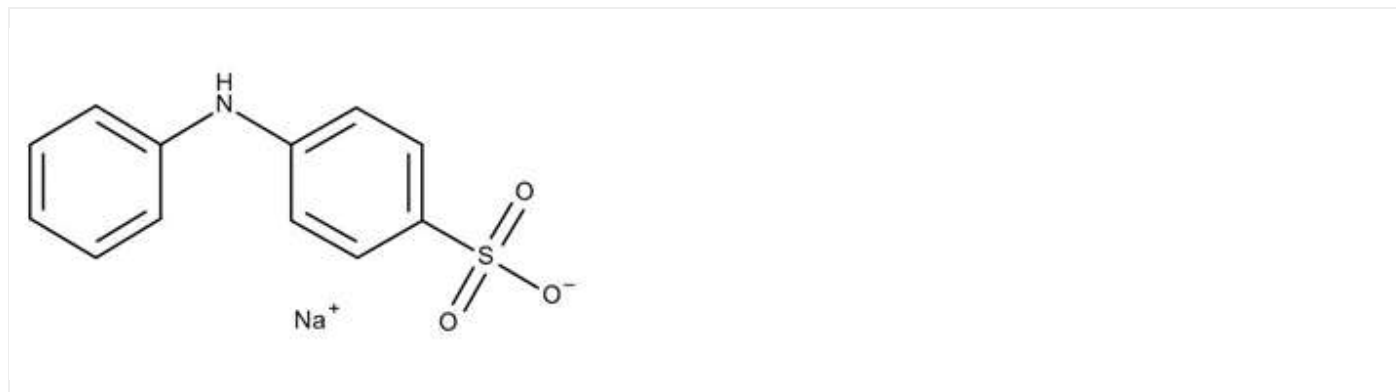
Specification

Appearance	Blue color powder
Identity (UV/VIS spectrum)	Passes test
Absorption maxima in acetic acid	610 - 615 nm
Specific absorptivity A1% 1cm (lmax; 0.001%; acetic acid)	450 - 520
Loss on drying (at 105°C)	Max 1.0%
Suitability (as indicator for non-aqueous titration)	Passes test

SODIUM DIPHENYLAMINE SULPHONATE 98% AR

4-(Phenylamino)benzenesulfonic acid sodium salt diphenylamine-4-sulphonic acid sodium salt

Product Code.	02403	Grade	
Purity		CAS No.	6152-67-6
Molecular Formula	C12H10NNaO3S	Molecular Weight	271.27
H.S.Code	2921.44900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Off white powder	Odour	Characteristic odour
Melting point/ Freezing point [°C]	200°C	Solubility in water [% weight]	Soluble in water		

Packaging

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Specification

Appearance	Off-White to grey powder
Sensitivity according to ACS	Passes test

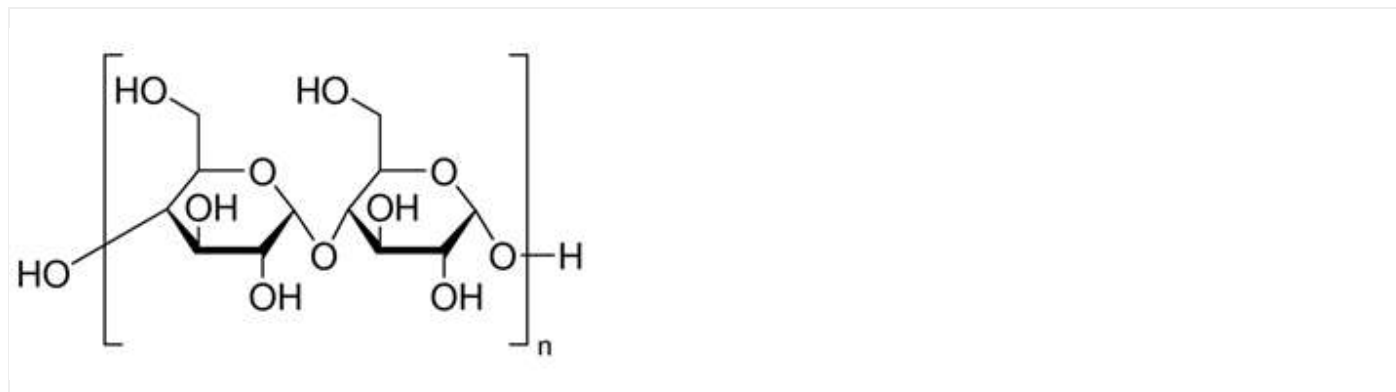
Safety Information and Hazard Symbols

Symbol: GHS07 Signal Word: Warning Hazardous Statement: H315-H319-H335 Precaution Statement: P261-P305 + P351 + P338

STARCH SOLUBLE (EX POTATO) AR

(starch potato) (xpotato)

Product Code.	02560	Grade	AR
Purity		CAS No.	9005-84-9
Molecular Formula	(C ₆ H ₁₀ O ₅) _n	Molecular Weight	0.00
H.S.Code	3505.10900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Density [g/cm ³]	1.5
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Packaging

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Specification

Appearance	White soft powder
Residue on ignition	Max 0.4%
pH (2% w/v solution in water; 25°C)	5.0 - 7.5
Solubility in water	2% solution in boiling water is mobile and not more than slightly opalescent
Suitability	Passes test for sensitivity as indicator

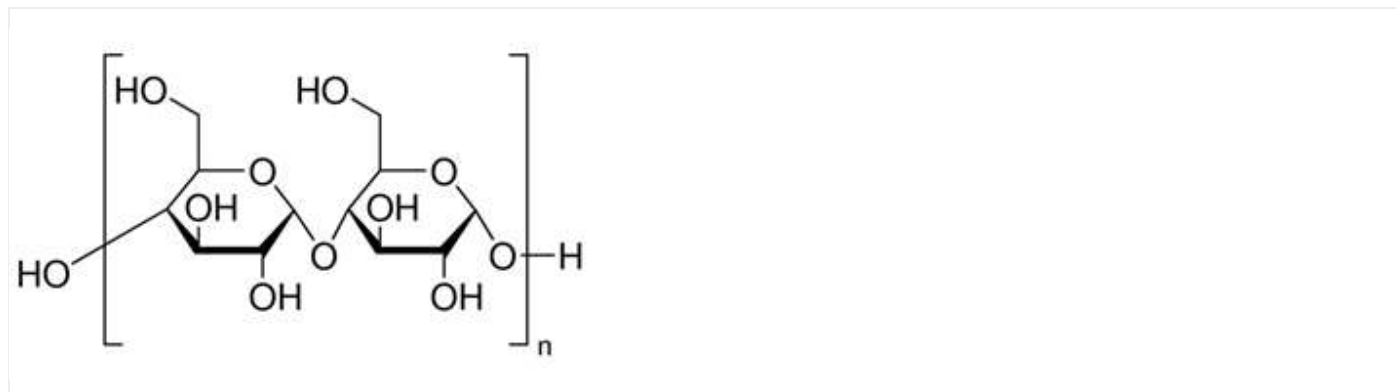
Safety Information and Hazard Symbols

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STARCH SOLUBLE (EX POTATO) EXTRA PURE

(starch potato) (xpotato)

Product Code.	02559	Grade	Extrapure
Purity		CAS No.	9005-84-9
Molecular Formula	(C ₆ H ₁₀ O ₅) _n	Molecular Weight	0.00
H.S.Code	3505.10900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Density [g/cm ³]	1.5
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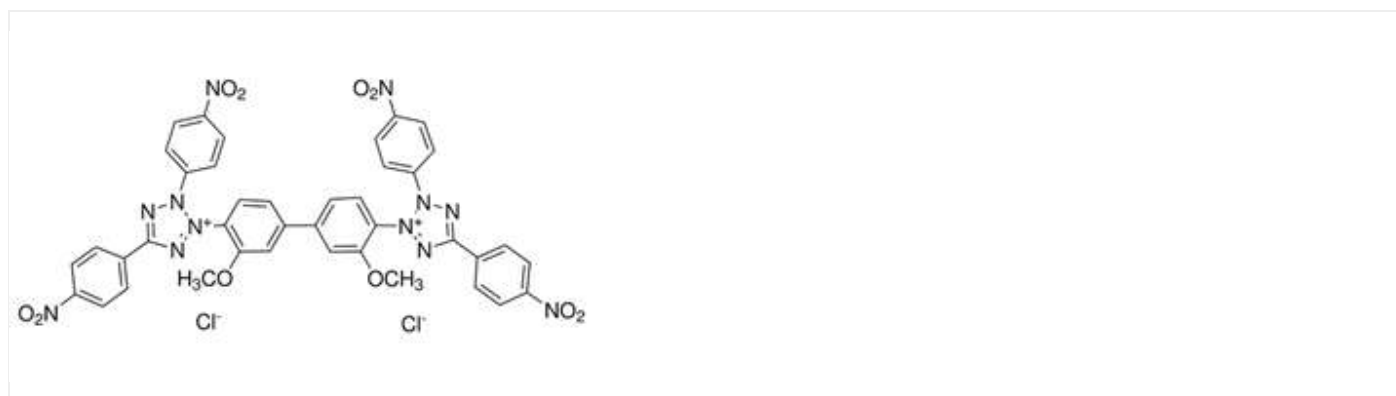
Specification

Appearance	White soft powder
Sensitivity	Passes test
Loss on drying (at 105°C)	Max 10%
Sulphated ash	Max 0.5%
Chloride (Cl)	Max 0.04%
Acidity	Max 3 ml N/1%
Solubility	2% solution in boiling water is mobile and not more than slightly opalescent

TETRANITRO B.T. AR

For the cytochemical localization of Succinic Dehydrogenase redox indicator for enzyme. Tetranitro Blue Tetrazolium Chloride; 2,2',5,5'-Tetra-p-nitrophenyl-3,3'-(3,3'-dimethoxy-4,4'-diphenylene)ditetrazolium chloride; TNBT

Product Code.	02663	Grade	
Purity		CAS No.	1184-43-6
Molecular Formula	C40H28Cl2N12O10	Molecular Weight	907.60
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to yellow crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	170 °C				

Packaging

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Specification

Appearance	Yellow powder
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Safety Information and Hazard Symbols

Symbol: GHS08 Signal Word: Danger Hazardous Statement: H350 Precaution Statement: P201-P308 + P313

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