

Индикатор адсорбции

Технические характеристики

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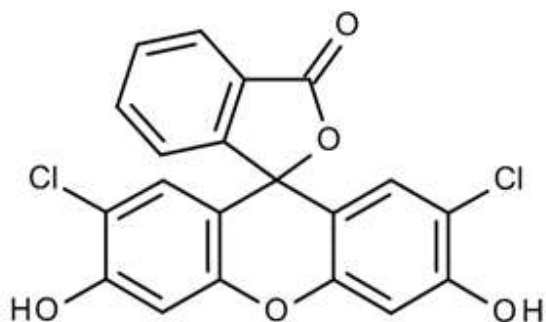
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эл.почта: pva@nt-rt.ru || сайт: <https://pallav.nt-rt.ru/>

2,7-DICHLORO FLUORESCEINE AR

Adsorption indicator, Yellow-green fluorescence to pink For determination of borates and chlorides
2',7'-Dichloro-3',6'-dihydroxy-3H-spiro[2-benzofuran-1,9'-xanthen]-3-one

Product Code.	00967	Grade	
Purity	90%	CAS No.	76-54-0
Molecular Formula	C20H10Cl2O5	Molecular Weight	401.21
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Reddish brown	Melting point/ Freezing point [°C]	280 °C
Density [g/cm ³]	0.79				

Specification

Appearance	A reddish brown powder
Clarity of solution (according to ACS)	Passes test
Loss on drying (at 110 °C)	Max 3.0%
Suitability (as adsorption indicator-according to ACS)	Passes test

Safety Information and Hazard Symbols

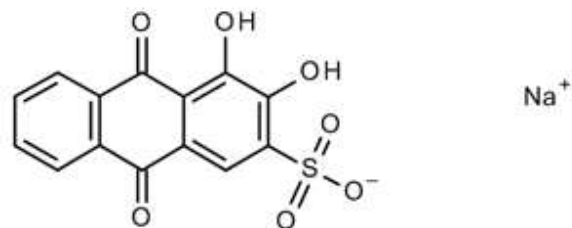


Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H315-H319-H335
Precaution Statement: P261-P305 + P351 + P338

ALIZARINE RED S (SODIUM ALIZARINSULPHONATE)

C.I.No. 58005 Sodium Alizarine Sulphonate

Product Code.	00100	Grade	
Purity	Dye Content : Min. 70%	CAS No.	130-22-3
Molecular Formula	C ₁₄ H ₇ NaO ₇ S	Molecular Weight	342.30
H.S.Code	2914.79900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Red powder	Melting point/ Freezing point [°C]	430°C
Boiling point [°C]	287 - 289°C	Initial boiling point [°C]	287°C	Final boiling point [°C]	289°C
Solubility in water [% weight]	Sparingly soluble in water				

Packaging



Specification

Appearance	Red powder
Absorption maxima in 0.1 N NaOH	592 - 599 nm

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

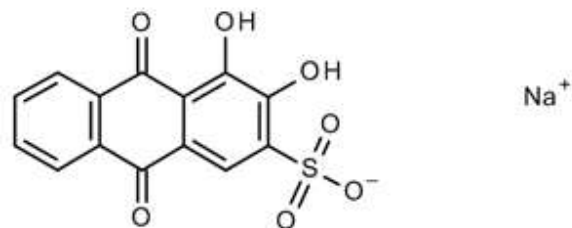
Risk Statement: 36/37/38

Safety Statement: 26-36

ALIZARINE RED S AR (SODIUM ALIZARINE SULPHONATE)

C.I.No. 58005 Acid base indicator use in analysis of metals Sodium Alizarine Sulphonate

Product Code.	00101	Grade	
Purity		CAS No.	130-22-3
Molecular Formula	C ₁₄ H ₇ NaO ₇ S	Molecular Weight	342.30
H.S.Code	2914.79900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Red powder	Melting point/ Freezing point [°C]	430°C
Boiling point [°C]	287 - 289°C	Initial boiling point [°C]	287°C	Final boiling point [°C]	289°C
Solubility in water [% weight]	Sparingly soluble in water				

Packaging



Specification

Appearance	Red powder
Dye content	Min 70.0%
Transition range	
pH 4.3-6.3	Yellow-Pink

pH 9.4-12.0	Brown orange-Violet
Solubility (0.1% in water)	Clear solution
Absorption maxima in 0.1 N NaOH	553-559 nm
Absorption maxima in 0.1 N NaOH	592-599 nm
Absorptivity (A1%/1cm at 556 nm)	Min 350.0
Absorptivity (A1%/1cm at 595 nm)	Min 325.0
Loss on drying (at 110°C)	Max 5.0%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

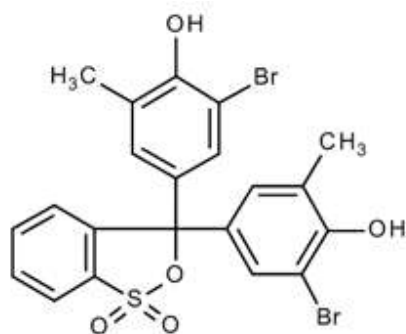
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

BROMOCRESOL PURPLE INDICATOR AR

Adsorption indicator for the bromide and chloride determination. 5,5'-Dibromo-o-cresolsulphonphthalein

Product Code.	00499	Grade	
Purity	Min. 90%	CAS No.	115-40-2
Molecular Formula	C ₂₁ H ₁₆ Br ₂ O ₅ S	Molecular Weight	540.24
H.S.Code	2934.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Purple to pink to yellow	Melting point/ Freezing point [°C]	240 °C
Solubility in water [% weight]	Insoluble in water				

Packaging



Specification

Appearance	Grey to light purple or pink to yellow-tan powder
pH transition (5.2 - 6.8)	Yellow to purple
Appearance of solution	Conforms
Loss on dryig (at 110°C)	Max 1%

Sensitivity test

Passes test

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

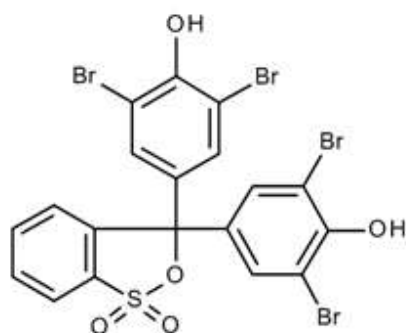
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

BROMOPHENOL BLUE INDICATOR AR

3',3'',5',5''-Tetrabromophenolsulfonephthalein; BPB

Product Code.	00509	Grade	AR
Purity		CAS No.	115-39-9
Molecular Formula	C ₁₉ H ₁₀ Br ₄ O ₅ S	Molecular Weight	669.99
H.S.Code	2934.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Pale orange	Odour	Odorless
Melting point/ Freezing point [°C]	273 °C	Boiling point [°C]	279°C	Solubility in water [% weight]	0.4g/100g water @ 200C

Packaging



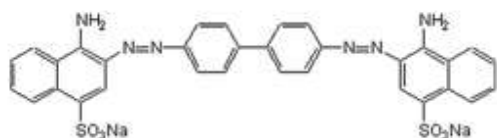
Specification

Appearance	Pink-orange to red to purple powder
Appearance of solution	Passes test
Transition range pH 3.0-4.6	Yellow to blue
Transition range acc. ACS	Passes test

CONGO RED INDICATOR FOR MICROSCOPY

C.I.No.22120 Congo red is used to stain microscopic prepares, especially as a cytoplasm and erythrocyte stain. Congo Red 4B, Cosmos Red, Cotton Red B, Cotton Red C, Direct Red 28, Direct Red R, Direct Red Y

Product Code.	00844	Grade	
Purity		CAS No.	573-58-0
Molecular Formula	C32H22N6Na2O6S2	Molecular Weight	696.65
H.S.Code	3204.14210	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brownish red powder	Odour	Odorless
pH value	8-9.5	Solubility in water [% weight]	Soluble in water		

Specification

Appearance	Brownish red powder
Appearance of solution (1.0 g/L; water)	almost clear to slightly turbid , red solution
Transition range at pH 3.0 to pH 5.2	Violet to orange red
Loss on dryig (at 110°C)	Max 5.0%
Sensitivity test	Passes test

Safety Information and Hazard Symbols

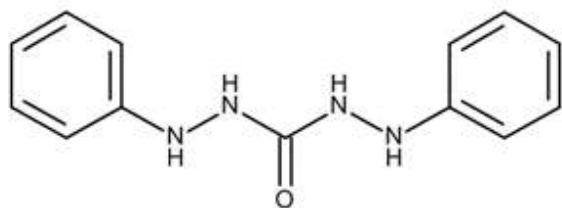


Symbol: GHS08
Signal Word: Danger
Hazardous Statement: H350-H361d
Precaution Statement: P201-P281-P308 + P313

DIPHENYL CARBAZIDE 98% AR

Redox indicator 1,5-Diphenylcarbazide

Product Code.	01079	Grade	AR
Purity	98%	CAS No.	140-22-7
Molecular Formula	C13H14ON4	Molecular Weight	242.28
H.S.Code	2928.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Melting point/ Freezing point [°C]	173 - 176 °C	Solubility in water [% weight]	Slightly soluble in water		

Packaging

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Specification

Appearance	Off-white to pink to beige powder or crystals
Assay	Min. 98.0%
Identity (IR)	Passes test
Residue on ignition	Max. 0.05 %
Solubility (in aqueous acetone)	Passes test
Sensitivity test for chromate	Passes test
Ethanol insoluble matter	Passes test

Diphenylcarbazone

Passes test

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

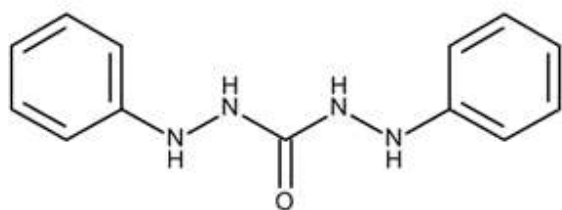
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

DIPHENYL CARBAZIDE FOR SYNTHESIS

Redox indicator 1,5-Diphenylcarbazide
Slowly becomes pink on exposure to air

Product Code.	01078	Grade	
Purity		CAS No.	140-22-7
Molecular Formula	C13H14ON4	Molecular Weight	242.28
H.S.Code	2928.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Melting point/ Freezing point [°C]	173 - 176 °C	Solubility in water [% weight]	Slightly soluble in water		

Specification

Appearance	Off-white to pink to beige powder or crystals
Identity (IR)	Passes test
Sensitivity as reagent for chromate	Passes test

Safety Information and Hazard Symbols

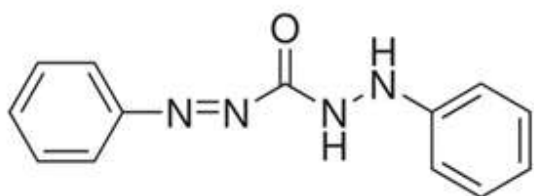


Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H315-H319-H335
Precaution Statement: P261-P305 + P351 + P338

DIPHENYL CARBAZONE AR

For determination of mercury. Phenylazoformic acid 2-phenylhydrazide

Product Code.	01081	Grade	
Purity		CAS No.	538-62-5
Molecular Formula	C13H12ON4	Molecular Weight	240.30
H.S.Code	2928.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brownish orange	Melting point/ Freezing point [°C]	119 - 140 °C
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Packaging

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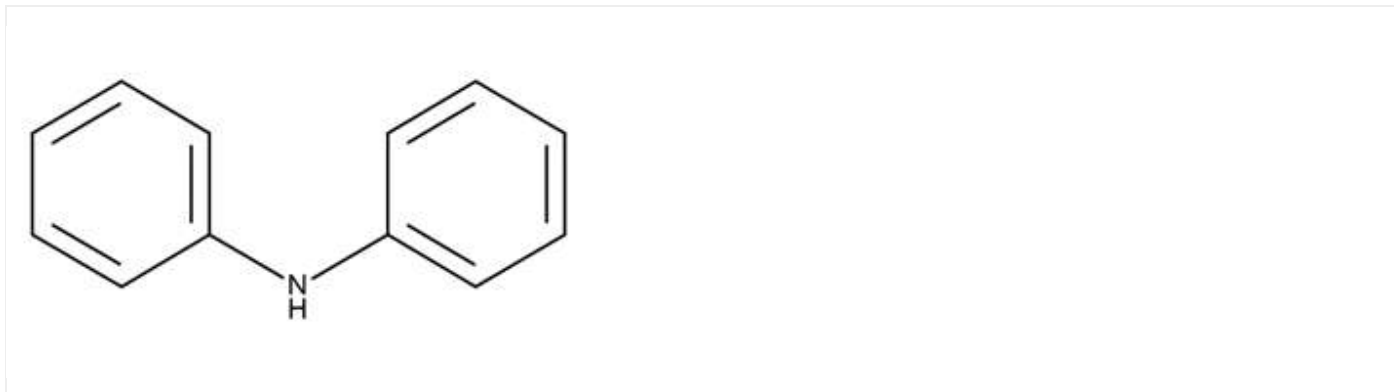
Specification

Appearance	A brownish orange colored powder
Sensitivity for mercury	1:100000
Sulphated ash	Max 0.05%
Substance insoluble in acetone	Passes test
Copper (Cu)	Max 0.001%
Iron (Fe)	Max 0.001%
Nickel (Ni)	Max 0.001%
Lead (Pb)	Max 0.001%

DIPHENYLAMINE 98% FOR SYNTHESIS

N-Phenylbenzenamine; N-Phenyl Aniline; DPA

Product Code.	01075	Grade	For Synthesis
Purity	98%	CAS No.	122-39-4
Molecular Formula	C12H11N	Molecular Weight	169.23
H.S.Code	2921.44100	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Cream coloured powder	Odour	Floral odor
Melting point/ Freezing point [°C]	50 - 53 °C	Flash point [°C]	153 °C	Boiling point [°C]	302 °C
Vapour pressure mm/Hg	1 mm Hg @ 1080C	Vapour density	5.82	Density [g/cm3]	1.16
Solubility in water [% weight]	Insoluble in water	Partition coefficient Log Pow octanol / water at 20°C	3.5		

Packaging

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Specification

Appearance	White to off white flakes/powder, darkening on exposure to light
Purity (by GC)	Min 98.0%
Melting range	52.0 - 55.0°C

Safety Information and Hazard Symbols



Symbol: GHS06, GHS08, GHS09

Signal Word: Danger

UN No.: 3077

IMCO Class No.: 9

Packing Group: III

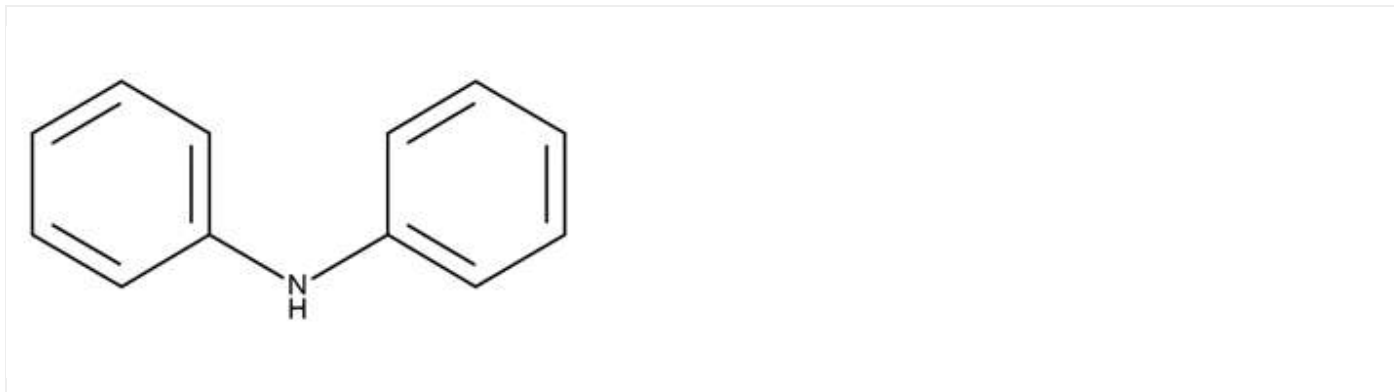
Hazardous Statement: H301-H311-H331-H373-H410

Precaution Statement: P261-P273-P280-P301 + P310-P311-P501

DIPHENYLAMINE 99% AR

Reagent for nitrates. N-Phenylbenzenamine; N-Phenyl Aniline; DPA

Product Code.	01076	Grade	AR
Purity	99%	CAS No.	122-39-4
Molecular Formula	C12H11N	Molecular Weight	169.23
H.S.Code	2921.44100	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Cream coloured powder	Odour	Floral odor
Melting point/ Freezing point [°C]	50 - 53 °C	Flash point [°C]	153 °C	Boiling point [°C]	302 °C
Vapour pressure mm/Hg	1 mm Hg @ 1080C	Vapour density	5.82	Density [g/cm3]	1.16
Solubility in water [% weight]	Insoluble in water	Partition coefficient Log Pow octanol / water at 20°C	3.5		

Packaging

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Specification

Appearance	White to off white flakes/powder, darkening on exposure to light
Purity (by GC)	Min 99.0%
Melting range	52.5 - 54 °C
Solubility in ethanol	Passes test
Sulphated ash	Max 0.03%

Nitrate (NO ₃)	Passes test
Aniline (C ₆ H ₅ .NH ₂)	Max 0.01%
Sensitivity for nitrate (NO ₃)	Min 1:1600000 (Passes ACS test)
Copper (Cu)	Max 0.001%
Iron (Fe)	Max 0.001%
Nickel (Ni)	Max 0.001%
Lead (Pb)	Max 0.001%

Safety Information and Hazard Symbols



Symbol: GHS06, GHS08, GHS09

Signal Word: Danger

UN No.: 3077

IMCO Class No.: 9

Packing Group: III

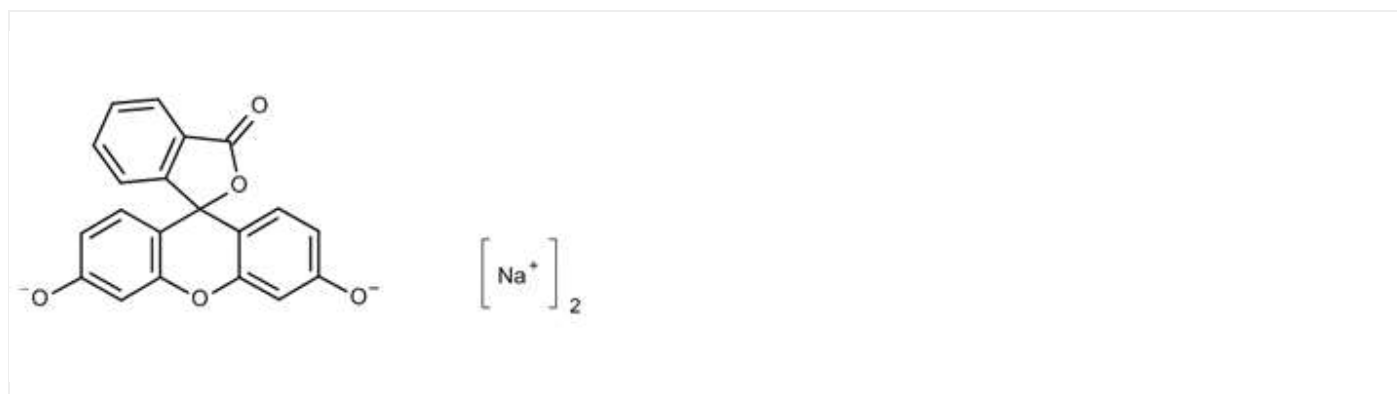
Hazardous Statement: H301-H311-H331-H373-H410

Precaution Statement: P261-P273-P280-P301 + P310-P311-P501

FLUORESCEIN SODIUM

C.I.No.45350 Sodium fluorescein is used as a fluorescent tracer to study blood-brain barrier (BBB) and blood-spinal cord barrier (BSCB) permeability in rodent models. Acid Yellow 73, NaFl, NaFluo, Sodium fluorescein, Uranine

Product Code.	01236	Grade	
Purity	98%	CAS No.	518-47-8
Molecular Formula	C ₂₀ H ₁₀ Na ₂ O ₅	Molecular Weight	376.28
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark red crystalline	Odour	Odorless
pH value	8.3 at 10 g/l at 20 °C	Melting point/ Freezing point [°C]	> 300 °C	Solubility in water [% weight]	500 g/l at 20 °C
Partition coefficient Log Pow octanol / water at 20°C	-0.67				

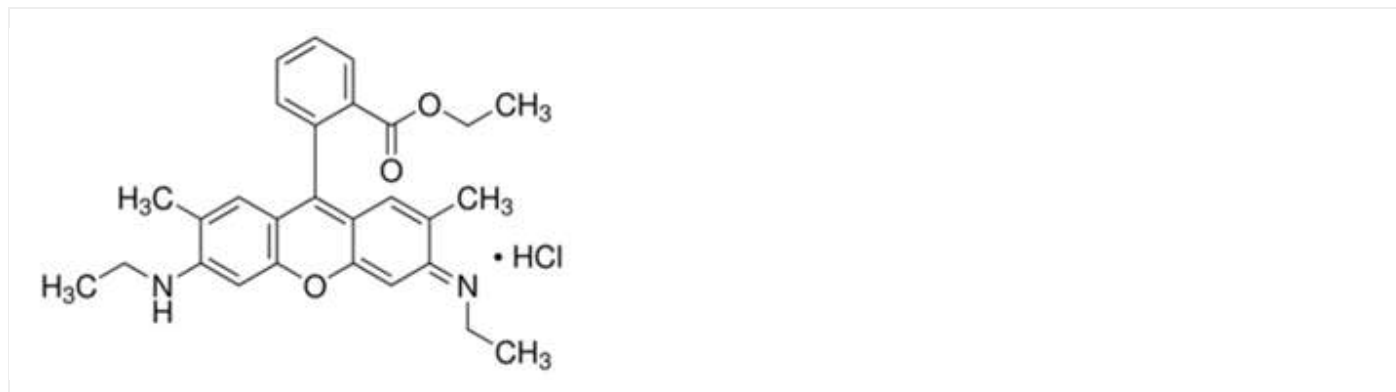
Specification

Appearance	Orange-red to green-brown to dark brown powder
Identity (IR)	Confirms to structure
Loss on drying (at 105°C)	Max 10.0%
Absorption maxima (in buffer pH 8.0)	488 to 491 nm
UV absorbance ratio (P-15/P+15)	1.2 - 1.7
Specific absorptivity 1%/1cm (at I _{max} ; buffer pH 8.0)	Min 1700

RHODAMINE 6G

C.I.No.45160 Basic Red 1

Product Code.	02254	Grade	
Purity	99%	CAS No.	989-38-8
Molecular Formula	C28H30N2O3HCl	Molecular Weight	479.02
H.S.Code	3204.13420	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark red crystalline	Odour	Odorless
pH value	6	Density [g/cm3]	1.26	Solubility in water [% weight]	Partially soluble in water

Packaging

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Specification

Appearance	Red to brown crystals or powder
Absorption maxima	522 - 527 nm

Safety Information and Hazard Symbols

Symbol: GHS07 Signal Word: Warning Hazardous Statement: H302

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