

Комплексометрические показатели

Технические характеристики

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Саранск (8342)22-96-24
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Ярославль (4852)69-52-93

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Казахстан +7(7172)727-132

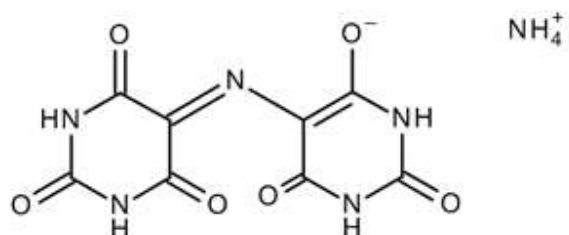
Киргизия +996(312)96-26-47

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

AMMONIUM PURPURATE AR

C.I.No. 56085 5,5-Nitrilodibarbituric acid monoammonium salt, Murexide

Product Code.	00236	Grade	AR
Purity		CAS No.	3051-09-0
Molecular Formula	C8H8N6O6	Molecular Weight	284.19
H.S.Code	2933.59900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Red powder	Odour	Odorless
Melting point/ Freezing point [°C]	> 300 °C	Solubility in water [% weight]	Slight (0.1-1%)		

Packaging



Specification

Appearance	Dark Red to Purple Powder
Identity (IR)	Conforms to structure
suitability (as indicator in complexometric titration)	Passes test
Absorption maxima (0.001% in water)	About 521nm
Specific absorptivity A1%/1cm (water; 521nm)	Min 300

Sulphated ash	Max 1.0%
Loss on drying (at 105°C)	Max 2.0%

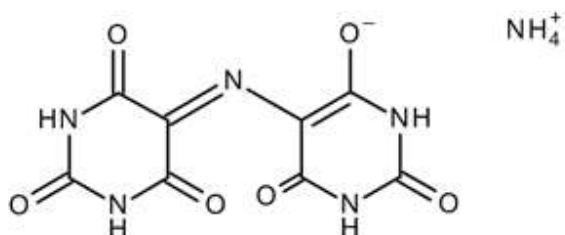
Safety Information and Hazard Symbols

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AMMONIUM PURPURATE EXTRAPURE

C.I. No. 56085 5,5-Nitrilodibarbituric acid monoammonium salt, Murexide

Product Code.	00235	Grade	Extrapure
Purity		CAS No.	3051-09-0
Molecular Formula	C8H8N6O6	Molecular Weight	284.19
H.S.Code	2933.59900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Red powder	Odour	Odorless
Melting point/ Freezing point [°C]	> 300 °C	Solubility in water [% weight]	Slight (0.1-1%)		

Packaging



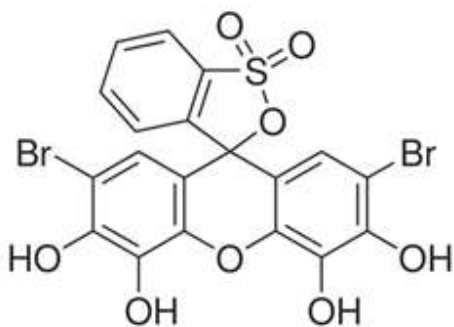
Specification

Appearance	Dark Red to Purple Powder
Sensitivity as complexometric indicator	Passes test
Sulphated ash	Max 1.0%
Loss on drying (at 105°C)	Max 2.0%

BROMOPYROGALLOL RED AR

Indicator for complexometric metal determination 5',5''-Dibromopyrogallolsulfonephthalein

Product Code.	00513	Grade	
Purity	Min. 70%	CAS No.	16574-43-9
Molecular Formula	C19H10Br2O9S	Molecular Weight	574.15
H.S.Code	2932.20900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Reddish brown	Melting point/ Freezing point [°C]	300 °C
Vapour density	19.2	Solubility in water [% weight]	Slightly soluble in water		

Packaging



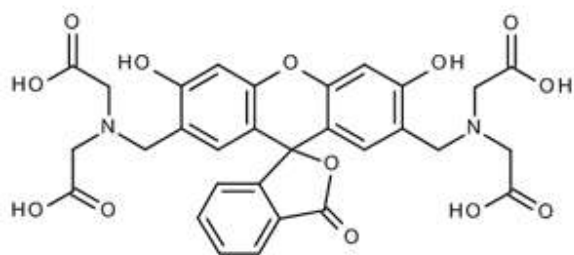
Specification

Appearance	Brownish red colored fine powder.
Melting point	~300 deg C
Absorption maxima	554 - 560 nm

CALCEIN INDICATOR AR

(FLUORESCHEIN COMPLEXONE) Suitable for flourometric determination of calcium indicator for the determination of calcium by titration with EDTA. Bis[N,N-bis(carboxymethyl)aminomethyl]fluorescein; Fluorescein-bis(methyliminodiacetic acid), Fluorexon

Product Code.	00616	Grade	
Purity		CAS No.	1461-15-0
Molecular Formula	C30H26N2O13	Molecular Weight	622.55
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brown orange
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Packaging



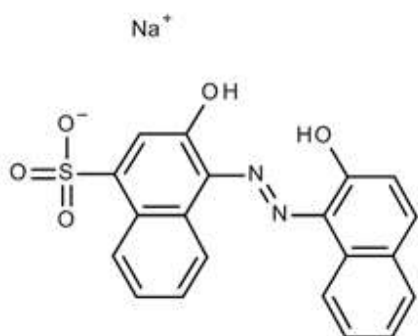
Specification

Appearance	Brown orange colored powder
Appearance of solution	Passes test
Loss on drying (at 110°C)	Max 7.0%
Suitability (as indicator)	Conforms

CALCON

C.I.No.15705 Eriochrome Blue Black R, Solochrome Dark Blue

Product Code.	00666	Grade	
Purity		CAS No.	2538-85-4
Molecular Formula	C20H13N2NaO5S	Molecular Weight	416.39
H.S.Code	2927.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Blackish brown	Odour	Odorless
Solubility in water [% weight]	Moderate (1-10%)				

Packaging



Specification

Appearance	Dark blackish brown powder
Identity (UV/VIS spectrum)	Passes test
Absorption maxima ?max. (buffer pH 12.2)	634 - 640 nm
Specific absorptivity A1%,1cm (?max;0.0015%;buffer pH 12.2, calculated on dried substance)	250-500
Loss on drying (at 110°C)	Max 10.0%

Suitability (as indicator for metal titration)

Passes test

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

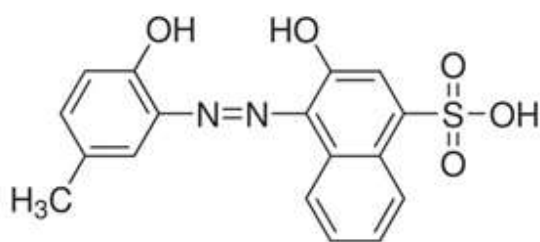
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

CALMAGITE INDICATOR AR

Indicator for the titration of calcium plus magnesium with EDTA 1-(1-Hydroxy-4-methyl-2-phenylazo)-2-naphthol-4-sulfonic acid; 3-Hydroxy-4-(2-hydroxy-5-methylphenylazo)naphthalene-1-sulfonic acid

Product Code.	00667	Grade	
Purity		CAS No.	3147-14-6
Molecular Formula	C17H14N2O5S	Molecular Weight	358.37
H.S.Code	2927.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brownish black powder	Odour	Phenolic odor
Melting point/ Freezing point [°C]	330 °C	Solubility in water [% weight]	Soluble in water		

Packaging



Specification

Appearance	Brownish black crystalline powder
Suitability (as indicator)	Passes test

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

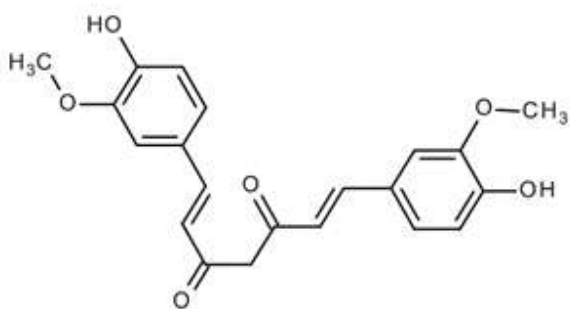
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

CURCUMIN CRYSTALLINE 95% EXTRAPURE

C.I.No.75300 Turmeric Yellow,Natural yellow 3, Yellow Ginger, Golden Seal, Yellow Puccon,Indian Saffron

Product Code.	00903	Grade	Extrapure
Purity	95%	CAS No.	458-37-7
Molecular Formula	C21H20O6	Molecular Weight	368.39
H.S.Code	3203.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Yellowish orange powder	Odour	Odorless
Melting point/ Freezing point [°C]	175 °C	Density [g/cm3]	12.72		

Specification

Appearance	Yellowish orange powder
Purity (by HPLC)	Min 95%

Safety Information and Hazard Symbols

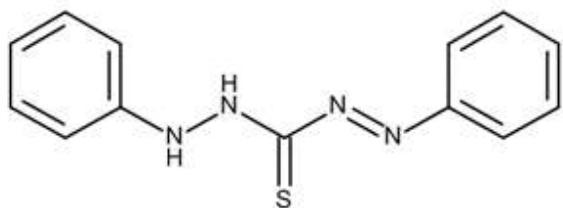


Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H315-H319-H335
Precaution Statement: P261-P305 + P351 + P338

DITHIZONE 98% AR (1,5-DIPHENYLTHIOCARBAZONE)

1,5-Diphenylthiocarbazone ;Dithizone

Product Code.	01085	Grade	AR
Purity	98%	CAS No.	60-10-6
Molecular Formula	C13H12N4S	Molecular Weight	256.32
H.S.Code	2930.90990	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Black powder	Melting point/ Freezing point [°C]	168 °C
Solubility in water [% weight]	Insoluble in water				

Packaging

Specification

Appearance	Brown to Very Dark Brown and Purple to Very Dark Purple or black powder
Assay	Min 98%
Specific absorptivity 1%/1cm (at 605 nm)	Min 1522
Relative absorbtion (A 605 nm/at 445 nm; chloroform)	Min 2.5
Sulphated ash	Max 0.2%
Heavy metal (as Pb)	Max 0.001%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

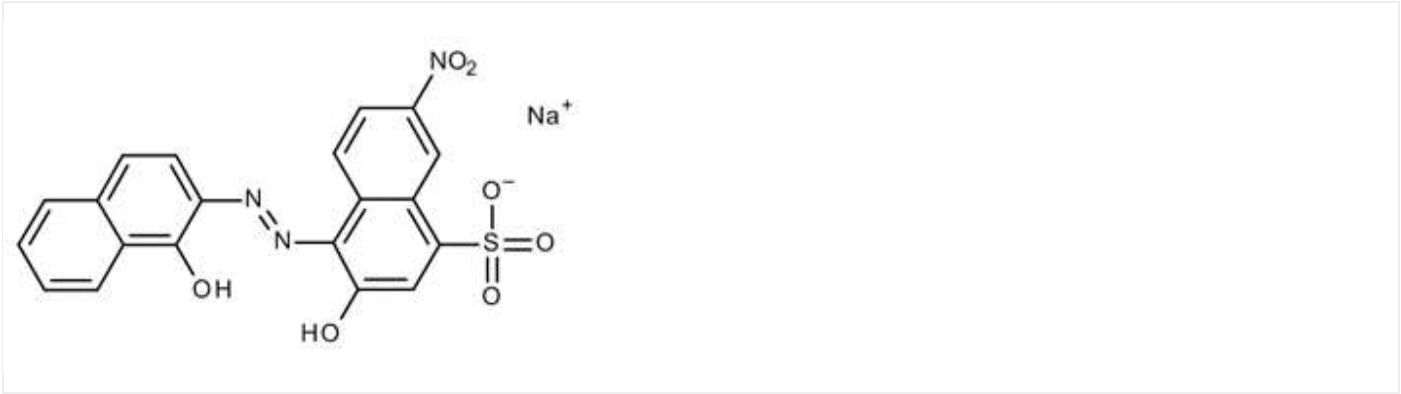
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

ERIOCHROME BLACK T (SOLOCHROME BLACK T)

C.I.No.14645 Solochrome Black T, Sodium 4-[(1-hydroxynaphthalen-2-yl-hydrazinylidene)-7-nitro-3-oxo-Y-naphthalene-1-sulphonate ; Mordant Black 11

Product Code.	01121	Grade	
Purity		CAS No.	1787-61-7
Molecular Formula	C20H12N3NaO7S	Molecular Weight	461.38
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brownish black powder	Odour	Odorless
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Packaging

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Specification

Appearance	Brownish black powder
Suitability (as metal indicator)	Passes test
Absorption maxima at pH 10	612 - 616 nm
Loss on drying	Max 7%

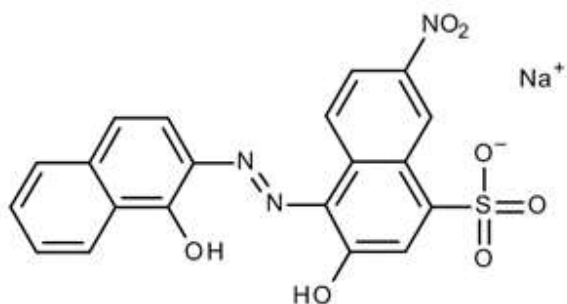
Safety Information and Hazard Symbols

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ERIOCHROME BLACK T AR

C.I.No.14645 Indicator for the determination of calcium plus magnesium by titration with EDTA
Solochrome Black T, Sodium 4-[(1-hydroxynaphthalen-2-yl-hydrazinylidene)-7-nitro-3-oxo-
Y-naphthalene-1-sulphonate

Product Code.	01122	Grade	AR
Purity		CAS No.	1787-61-7
Molecular Formula	C20H12N3NaO7S	Molecular Weight	461.38
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brownish black powder	Odour	Odorless
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Packaging

Specification

Appearance	Brownish black powder
Suitability (as metal indicator)	Passes test
Absorption maxima at pH 10	612 - 616 nm
Clarity of solution	Passes test
Specific absorptivity A1%/1cm (lmax; 0.02 g/L; buffer pH 10.0; calculated on dried substance)	Min 300.0
Loss on dryig (at 110°C)	Max 7.0%

ERIOCHROME BLACK T REAGENT SOLUTION

Solochrome Black T Solution

Product Code.	01123	Grade	
Purity		CAS No.	NA
Molecular Formula	NA	Molecular Weight	0.00
H.S.Code	3822.00900	Shelf Life	24 Months

Physical Properties

Packaging

Specification

Appearance	Dark wine red coloured liquid
Sensitivity (as a reagent for Mg, Ca, Zn, Pb, Mn)	Passes test

Safety Information and Hazard Symbols

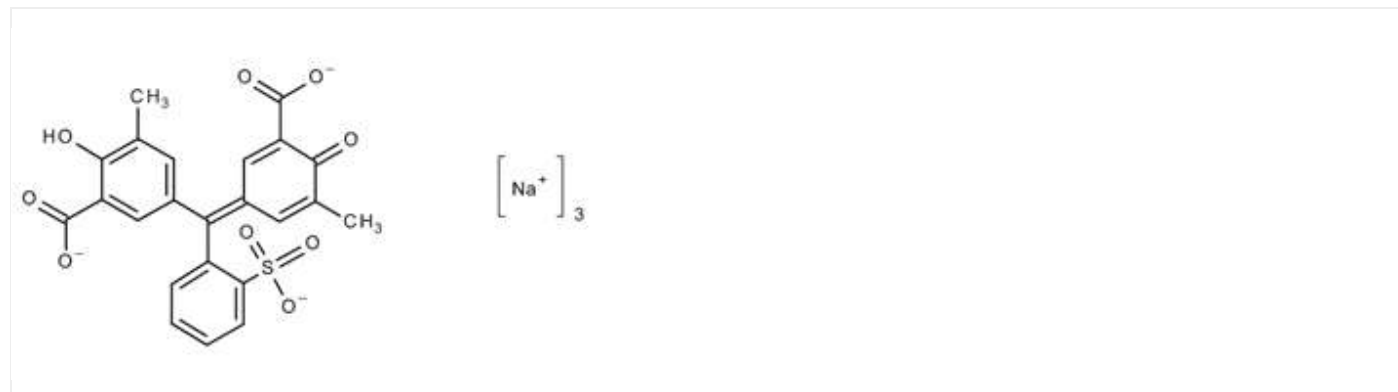


Symbol: GHS02, GHS07
Signal Word: Danger
UN No.: 1170
IMCO Class No.: 3
Packing Group: II
Hazardous Statement: H225-H319
Precaution Statement: P210-P305 + P351 + P338-P370 + P378-P403 + P235

ERIOCHROME CYANINE R AR

C.I.No.43820 Chromoxane Cyanine R, Mordant Blue 3 ,Solochrome Cyanine R

Product Code.	01124	Grade	AR
Purity		CAS No.	3564-18-9
Molecular Formula	C23H15Na3O9S	Molecular Weight	536.40
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Reddish brown	Solubility in water [% weight]	Soluble in water
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Specification

Appearance	Reddish brown powder
Absorption maxima (buffer pH 7.0)	434 - 440 nm
Specific absorptivity A1%/1cm (lmax;0.02 g/l,buffer pH 7.0; calculated on dried substance)	130 - 200
Loss on drying (at 105°C)	Max 10.0%

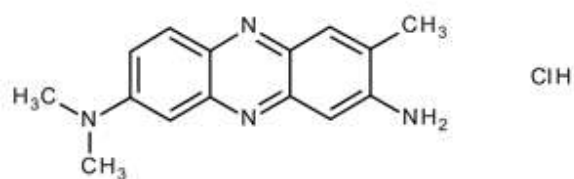
Safety Information and Hazard Symbols

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

NEUTRAL RED INDICATOR 60% AR

C.I.No.50040 Suitable for microscopy and microbiology and supravital staining of living blood cells.
3-Amino-7-dimethylamino-2-methylphenazine hydrochloride, Toluylene red, Basic Red 5

Product Code.	01802	Grade	AR
Purity	60%	CAS No.	553-24-2
Molecular Formula	C15H17ClN4	Molecular Weight	288.78
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark green powder	Odour	Odorless
pH value	3.1	Melting point/ Freezing point [°C]	290 °C	Solubility in water [% weight]	Soluble in water

Packaging

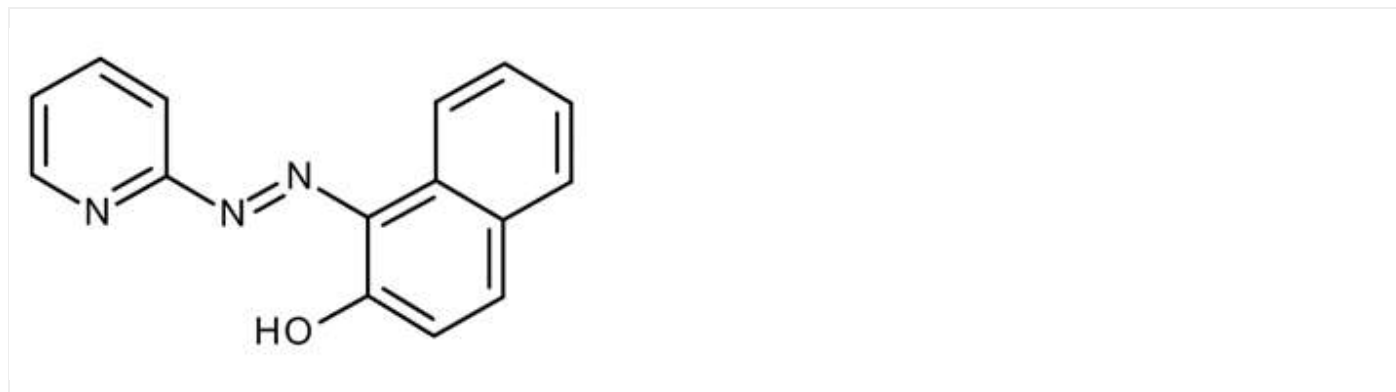
Specification

Appearance	Dark green powder
Dye content (by spectrophotometry)	Min 60%
Transition range (pH 6.8 - 8.0)	Violet Red - Yellow
Solubility (0.1% in 50% ethanol)	Clear solution
Absorption maxima (50% ethanol + 2 ml acetic acid)	539 - 544 nm
Absorptivity (A 1%/1cm; at lmax; in 50% ethanol + 2 ml acetic acid)	Min 900
Loss on dryig (at 110°C)	Max 12%

PAN INDICATOR AR

1-(2-Pyridylazo)-2-Naphthol

Product Code.	01919	Grade	AR
Purity		CAS No.	85-85-8
Molecular Formula	C15H11N3O	Molecular Weight	249.27
H.S.Code	2933.39900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brown powder	Melting point/ Freezing point [°C]	138 - 141 °C
Solubility in water [% weight]	Insoluble in water				

Specification

Appearance	Orange red to brown coloured powder
Melting range	137 - 140°C
Solubility (0.1% in ethanol)	Clear
Suitability (as complexometric reagent)	Passes test

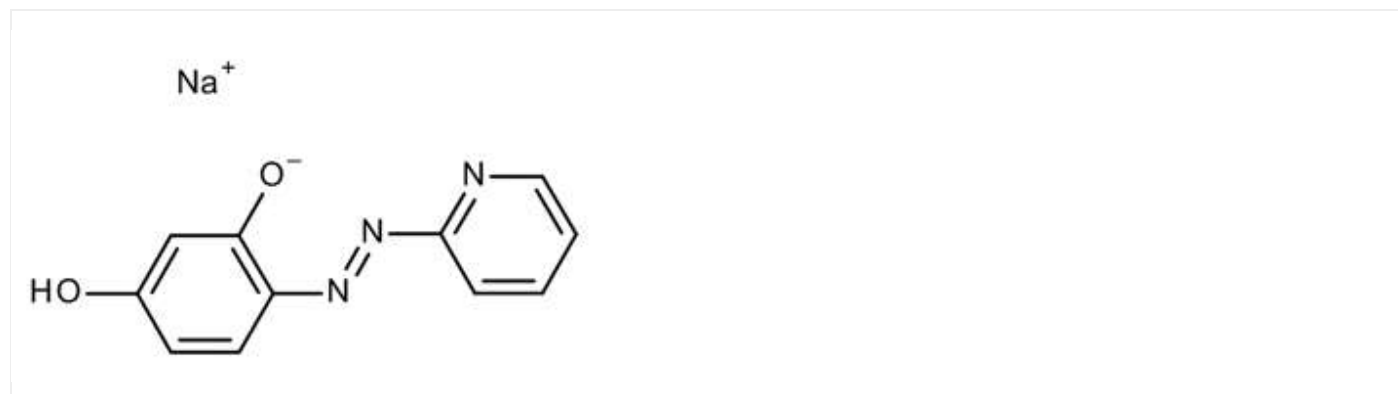
Safety Information and Hazard Symbols


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

PAR INDICATOR AR

4-(2-Pyridylazo)-resorcinol monosodium salt

Product Code.	01923	Grade	AR
Purity	99%	CAS No.	16593-81-0
Molecular Formula	C11H8N3NaO2.H2O	Molecular Weight	255.21
H.S.Code	2933.39900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Orange crystalline	Odour	Odorless
Solubility in water [% weight]	Soluble in water				

Specification

Appearance	An orange to brown crystalline powder
Assay	Min 99.0%
Water (by KF)	7 - 8%
Suitability (as indicator)	Passes test

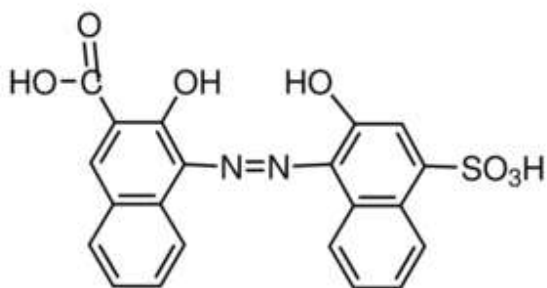
Safety Information and Hazard Symbols

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

PATTON AND REEDER'S REAGENT AR

Calconcarboxylic acid ; [2-hydroxy-(2-hydroxy-4-sulpho-1-naphthylazo)-3naphthoic acid]

Product Code.	01936	Grade	AR
Purity		CAS No.	3737-95-9
Molecular Formula	C21H14N2O7S	Molecular Weight	438.42
H.S.Code	2927.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark red powder	Odour	Odorless
Melting point/ Freezing point [°C]	300 °C	Solubility in water [% weight]	8 g/l at 20 °C	Partition coefficient Log Pow octanol / water at 20°C	4.48

Specification

Appearance	Dark purple to black powder
Absorption maxima	569 - 572 nm
Absorptivity (A 1%/1cm; at lmax)	Min 250
Loss on dryig (at 135°C)	Max 7%
Suitability (as complexometric indicator)	Passes test

Safety Information and Hazard Symbols

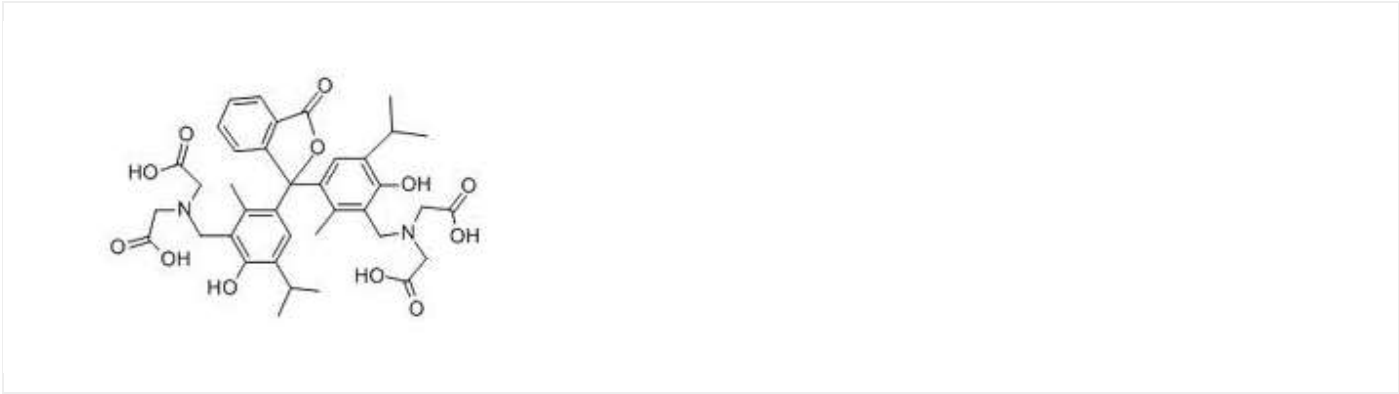


Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H315-H319-H335
Precaution Statement: P261-P305 + P351 + P338

THYMOLPHTHALEIN COMPLEXON AR

Complexometric indicator for Ba, Ca, Sr. 3,3'-Bis(N,N-di[carboxymethyl]aminomethyl)thymolphthalein;
TPC; Thymolphthalexone

Product Code.	02700	Grade	
Purity		CAS No.	1913-93-5
Molecular Formula	C38H44N2O12	Molecular Weight	720.78
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to off white	Melting point/ Freezing point [°C]	191 °C
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Packaging

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Specification

Appearance	White to off-white powder.
Solubility (0.1% in 95% ethanol)	Clear solution
Absorption maxima (0.1N NaOH)	600 - 605nm
Absorptivity (A1%/1cm 0.1N NaOH, at λmax, on dried substance)	350 - 450
Loss on drying (at 110°C)	Max 7.0%
Suitability (as indicator)	Passes test

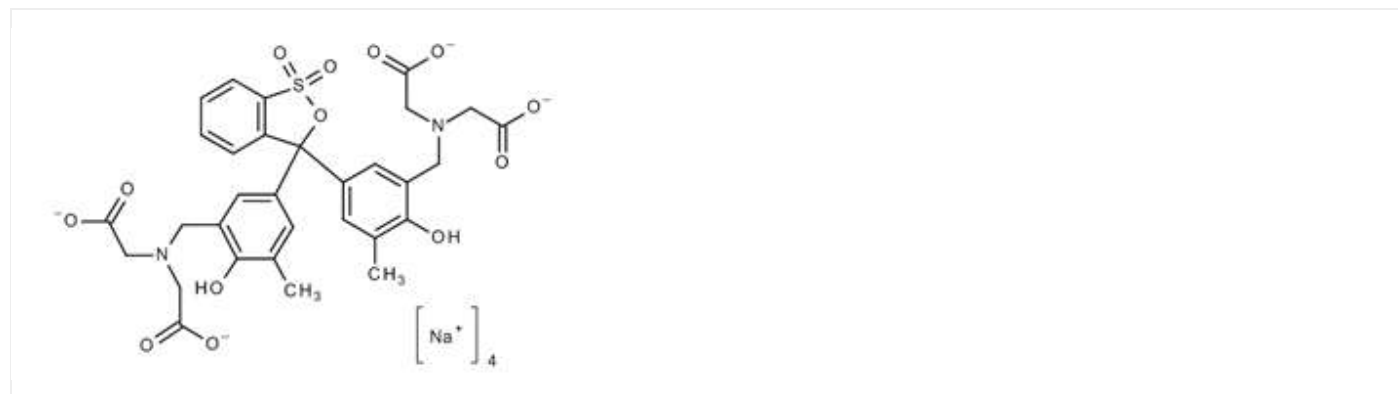
Safety Information and Hazard Symbols

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XYLENOL ORANGE AR

Suitable for use in EDTA zinc titration. This substance has been specifically tested for its Suitability in EDTA-zinc titrations. o-Cresolsulfonphthalein-3'-3-bis(methyliminodiacetic acid sodium salt)

Product Code.	02854	Grade	AR
Purity		CAS No.	3618-43-7
Molecular Formula	C31H28N2O13SNa4	Molecular Weight	760.59
H.S.Code	2934.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brown powder	Odour	Odorless
Melting point/ Freezing point [°C]	195 °C	Flash point [°C]	93.3°C	Solubility in water [% weight]	Soluble in water

Packaging

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Specification

Appearance	Red-brown to dark brown crystalline powder
Solubility (0.1% in 0.1 N NaOH)	Clear reddish to violet
Absorption maxima	575 - 580 nm
Absorptivity (A 1%/1cm; at lmax)	Min 550
Loss on dryig (at 105°C; 1 hr)	Max 7%
Sensitivity for Zinc	Passes test

XYLENOL ORANGE INDICATOR SOLUTION FOR EDTA TITRATION

(Reagent for Cd, Pb, Mg, Zn, Bi)

Product Code.	02855	Grade	
Purity		CAS No.	
Molecular Formula		Molecular Weight	0.00
H.S.Code	3822.00900	Shelf Life	24 Months

Physical Properties

Packaging

Specification

Appearance	Dark red or reddish purple liquid
Sensitivity	Passes test

Safety Information and Hazard Symbols

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Ангарск (3955)60-70-56
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