

Буферные растворы Гуда (биологические буферы)

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

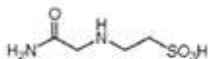
Киргизия +996(312)96-26-47

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

ACES BUFFER 99% EXTRAPURE

N-(2-acetamido)-2-aminoethane sulphonic acid

Product Code.	00005	Grade	
Purity	Min 99%	CAS No.	7365-82-4
Molecular Formula	C4H10N2O4S	Molecular Weight	182.20
H.S.Code	2924.19000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	pH value	3.0 - 4.5
Melting point/ Freezing point [°C]	> 220 °C	Solubility in water [% weight]	18.22 g/l at 20 °C		

Packaging



Specification

Appearance	White crystalline powder
Assay (alkalimetric)	Min 99%
Identity (IR)	Passes test
UV absorbance (at 250 nm; 2%; 1 cm; water)	Max 0.05%
Chloride (Cl)	Max 0.05%

Sulphate (SO4)	Max 0.05%
Heavy metal (as Pb)	Max 0.0005%
Sodium (Na)	Max 0.005%
Loss on drying (at 105°C)	Max 0.2%

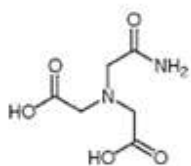
Safety Information and Hazard Symbols

--

ADA BUFFER

[N-2-Acetamido) , Iminodiacetic acid

Product Code.	00067	Grade	
Purity	Min. 98%	CAS No.	26239-55-4
Molecular Formula	C6H10N2O5	Molecular Weight	190.16
H.S.Code	2924.19000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	pH value	6.7
Density [g/cm3]	1.09				

Packaging



Specification

Appearance	White crystalline powder
Assay (acidimetric)	Min 99%
Identity (IR)	Passes test
Chloride (Cl)	Max 0.02%
Sulphate (SO4)	Max 0.005%

Heavy metal (as Pb)	Max 0.0005%
Sodium (Na)	Max 0.005%
Loss on drying (at 105°C)	Max 0.5%

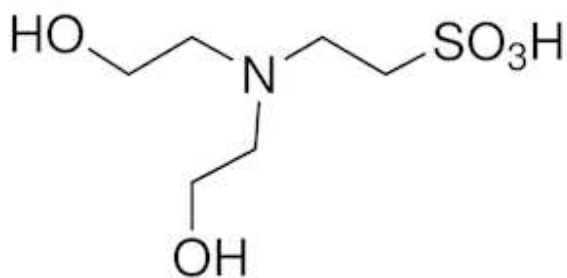
Safety Information and Hazard Symbols

--

BES BUFFER 99% FOR BIOCHEMISTRY

N,N-bis (2-hydroxyethyl) 2-aminoethane sulphonic acid

Product Code.	00409	Grade	For Biochemistry
Purity	99%	CAS No.	10191-18-1
Molecular Formula	C6H15NO5S	Molecular Weight	213.25
H.S.Code	2922.19900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	pH value	2.5- 5.0
Melting point/ Freezing point [°C]	152 - 154 °C	Solubility in water [% weight]	213.3 g/l at 20 °C		

Packaging



Specification

Appearance	White powder
Assay (alkalimetric)	Min 99.0%
Identity (IR)	Passes test
UV absorbance (at 250 nm; 5%; 1 cm; water)	Max 0.05%
Chloride (Cl)	Max 0.005%

Sulphate (SO ₄)	Max 0.005%
Heavy metal (as Pb)	Max 0.0005%
Sodium (Na)	Max 0.01%
Loss on drying (at 105°C)	Max 0.5%
Biological buffer, pKa at 20°C	7.15

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

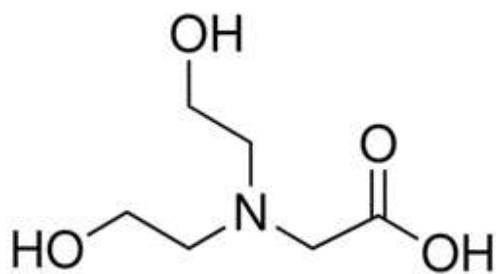
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

BICINE 99% EXTRAPURE

N,N-Bis (2-hydroxyethyl) glycine

Product Code.	00411	Grade	Extrapure
Purity	99%	CAS No.	150-25-4
Molecular Formula	C6H13NO4	Molecular Weight	163.17
H.S.Code	2922.49900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	pH value	3.5 - 5.5
Melting point/ Freezing point [°C]	190 °C	Solubility in water [% weight]	163.17 g/l at 20 °C		

Packaging



Specification

Appearance	A white powder
Assay	Min 99.0%
Biological buffer, pKa at 25°C	8.3
pH range	4.0 - 5.5
UV absorbance (at 250 nm; 50 g/l; 1 cm; water)	Max 0.05%

Chloride (Cl)	Max 0.005%
Sulphate (SO4)	Max 0.005%
Heavy metal (as Pb)	Max 0.0005%
Sodium (Na)	Max 0.005%
Loss on drying (at 105°C)	Max 0.2%

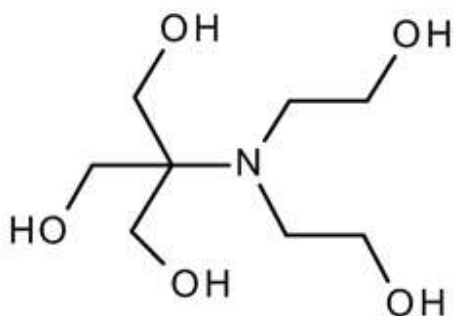
Safety Information and Hazard Symbols

--

BIS-TRIS 99% MOLECULAR BIOLOGY

2,2-Bis(hydroxymethyl)-2,2',2-nitritotriethanol, 2-Bis(2-hydroxyethyl)amino-2-(hydroxymethyl)-1,3-propanediol; Bis(2-hydroxyethyl)amino-tris(hydroxymethyl)methane

Product Code.	00440	Grade	
Purity	98%	CAS No.	6976-37-0
Molecular Formula	C8H19NO5	Molecular Weight	209.20
H.S.Code	2922.19900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
pH value	9.5 - 11	Melting point/ Freezing point [°C]	102 - 103 °C	Solubility in water [% weight]	209.2 g/l at 20 °C

Packaging



Specification

Appearance	White crystalline powder
Assay (by HClO4 titration)	Min 99%
Insoluble matter	Passes filter test
Residue on ignition	Max 0.3%

Loss on drying (at 20°; vacuum)	Max 0.5%
Solubility (1 M in water)	Complete, colorless
pH (2% solution in water)	9.4 - 9.8
UV absorbance (at 280 nm; 10%; 1 cm; in water)	Max 0.1
Chloride (Cl)	Max 0.005%
Sulphate (SO ₄)	Max 0.01%
Iron (Fe)	Max 0.001%
Lead (Pb)	Max 0.001%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

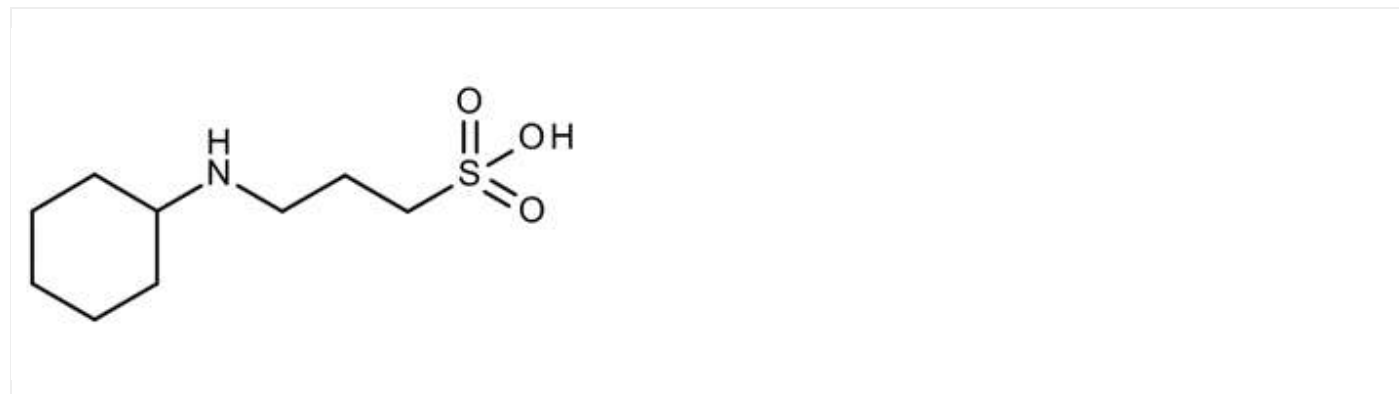
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

CAPS BUFFER 99% FOR BIOCHEMISTRY

[3-(Cyclohexylamino) -1-propane sulfonic acid]

Product Code.	00676	Grade	
Purity	99%	CAS No.	1135-40-6
Molecular Formula	C9H19NO3S	Molecular Weight	221.30
H.S.Code	2922.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
pH value	3 - 7	Melting point/ Freezing point [°C]	> 300 °C	Solubility in water [% weight]	Moderate (1-10%)

Packaging



Specification

Appearance	White crystalline powder
Assay (TLC)	Min 99%
Insoluble matter	Passes filter test
Residue on ignition	Max 0.05%

Loss on drying (at 110°C)	Max 1%
Solubility (0.5 M in water; 20°C)	Complete,colorless
pH (0.5 M solution in water; 25°C)	5.0 - 6.0
Chloride (Cl)	Max 0.005%
Sulphate (SO ₄)	Max 0.005%
Chromium (Cr)	Max 0.0005%
Copper (Cu)	Max 0.0005%
UV absorbance 0.05 M in water	
at 260 nm	Max 0.02
at 280 nm	Max 0.02

Safety Information and Hazard Symbols

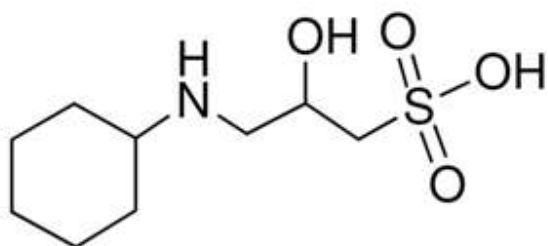


Symbol: GHS07
 Signal Word: Warning
 Hazardous Statement: H302
 Safety Statement: 22-24/25

CAPSO BUFFER 99% FOR BIOCHEMISTRY

[3-(Cyclohexylamino) -2-hydroxy propane sulphonic acid]

Product Code.	00677	Grade	
Purity	99%	CAS No.	73463-39-5
Molecular Formula	C9H19NO4S	Molecular Weight	237.30
H.S.Code	2922.19900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
pH value	2.5 - 4	Melting point/ Freezing point [°C]	270 - 274 °C		

Packaging



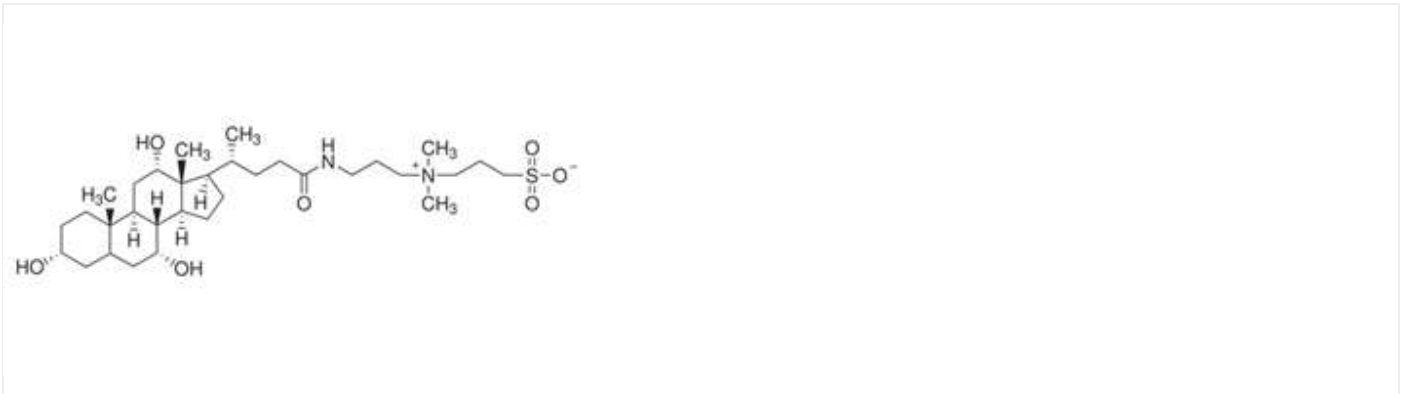
Specification

Appearance	White crystalline powder
Assay (TLC)	Min 99%
Water (H2O)	Max 1%
Solubility (0.1 g/mL in water)	Complete, colorless
Appropriate pH range	8.9 - 10.3
pH (1 g in 10 mL water)	2.5 - 4.0

CHAPS 99% FOR BIOCHEMISTRY

3-[(3-Cholamidopropyl) dimethylammonio]-1-propanesulfonate

Product Code.	00734	Grade	For Biochemistry
Purity	99%	CAS No.	75621-03-3
Molecular Formula	C32H58N2O7S	Molecular Weight	614.89
H.S.Code	2923.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
pH value	6	Melting point/ Freezing point [°C]	157 °C	Solubility in water [% weight]	10 g/l at 20 °C - completely soluble

Packaging

Specification

Appearance	White crystalline powder
Assay (ex N)	Min 99%
Identity (IR)	Passes test
UV absorbance (1%;1 cm;water)	
at 280 nm	Max 0.1
at 260 nm	Max 0.1

Safety Information and Hazard Symbols



Symbol: GHS07, GHS08

Signal Word: Danger

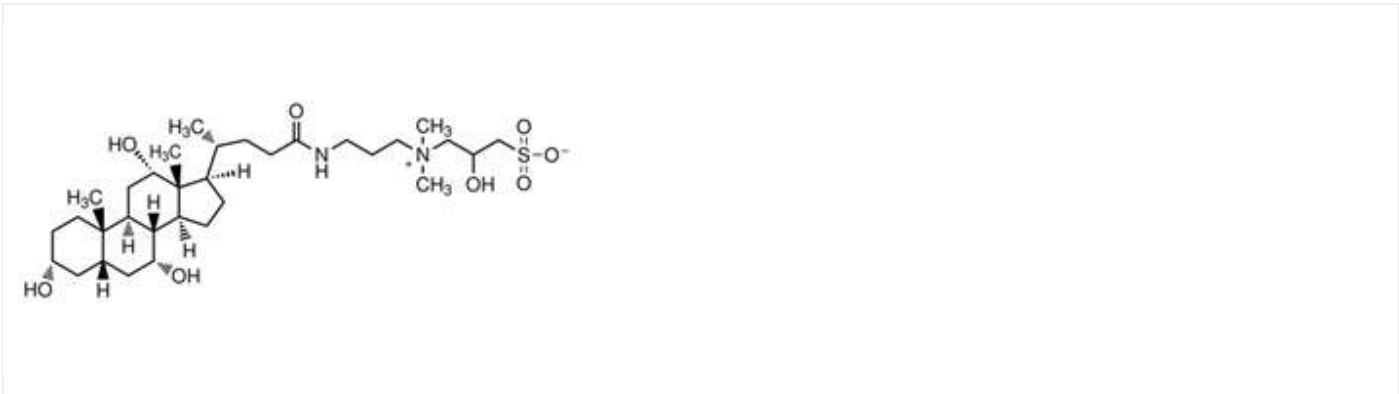
Hazardous Statement: H315-H319-H335-H360D

Precaution Statement: P201-P261-P305 + P351 + P338-P308 + P313

CHAPSO 96% FOR BIOCHEMISTRY

3-([3-Cholamidopropyl]dimethylammonio)-2-hydroxy-1-propanesulphonate

Product Code.	00735	Grade	For Biochemistry
Purity	96%	CAS No.	82473-24-3
Molecular Formula	C32H58N2O8S	Molecular Weight	630.90
H.S.Code	2923.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	184 - 186 °C	Solubility in water [% weight]	10 g/l at 20 °C		

Packaging

--

Specification

Appearance	White crystalline powder
Assay	Min 96%
Residue on ignition	Max 0.05%
Solubility (10 mg/mL in water; 20°C)	Complete, colorless
Calcium (Ca)	Max 0.02%
Cadmium (Cd)	Max 0.0005%
Cobalt (Co)	Max 0.0005%
Chromium (Cr)	Max 0.0005%

Copper (Cu)	Max 0.0005%
Iron (Fe)	Max 0.0005%
Magnesium (Mg)	Max 0.0005%
Manganese (Mn)	Max 0.0005%
Nickel (Ni)	Max 0.0005%
Lead (Pb)	Max 0.0005%
Zinc (Zn)	Max 0.0005%

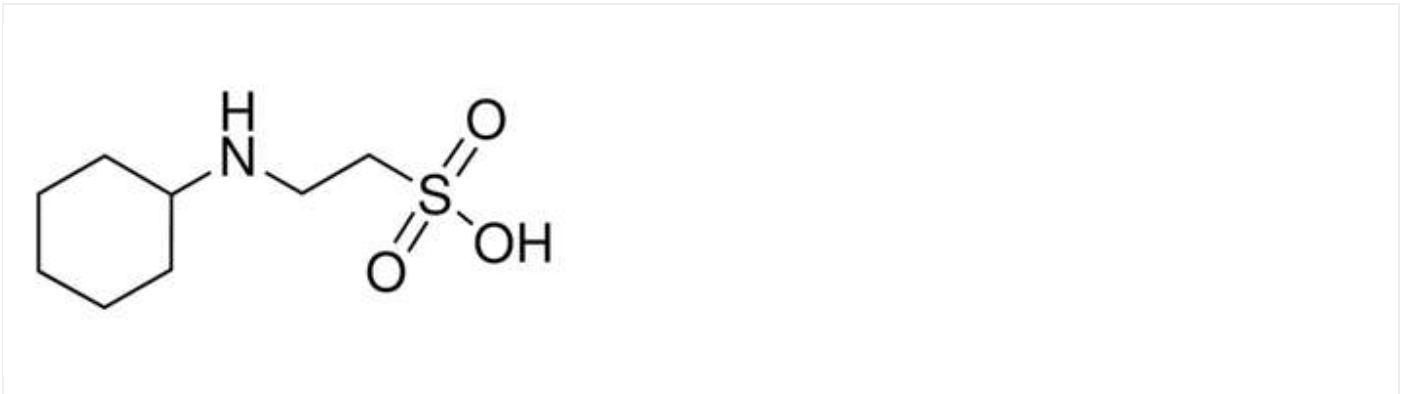
Safety Information and Hazard Symbols


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

CHES (BIOREAGENT) 99%

2-(Cyclohexylamino) ethanesulphonic acid

Product Code.	00736	Grade	
Purity	99%	CAS No.	103-47-9
Molecular Formula	C8H17NO3S	Molecular Weight	207.29
H.S.Code	2921.30900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
pH value	3 - 5	Melting point/ Freezing point [°C]	300 °C	Solubility in water [% weight]	103.6 g/l at 20 °C

Packaging

--

Specification

Appearance	White powder
Assay (alkalimetric; on anhydrous basis)	Min 99%
Identity (IR)	Passes test
UV absorbance (at 250 nm; 50 g/l; 1 cm; water)	Max 0.05
Chloride (Cl)	Max 0.005%
Sulphate (SO4)	Max 0.025%
Heavy metal (as Pb)	Max 0.0005%

Sodium (Na)	Max 0.005%
Loss on drying (at 105°C)	Max 1.0%

Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H319 Precaution Statement: P305 + P351 + P338

CHES SODIUM BUFFER

[2-(Cyclohexylamino) ethanesulphonic acid sodium salt

Product Code.	00737	Grade	
Purity	99%	CAS No.	3076-05-9
Molecular Formula	C8H16NNaO3S	Molecular Weight	229.27
H.S.Code	2921.30900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Melting point/ Freezing point [°C]	300 °C	Solubility in water [% weight]	Appreciable (> 10%)		

Packaging

--

Specification

Appearance	White powder
Assay (on anhydrous basis)	Min 99%
Insoluble matter	Max 0.005%
DNAase/RNAase/Proteases	None detected
Heavy metal (as Pb)	Max 0.0005%
Water (by KF)	Max 8.0%
pK (at 20°C)	9.30

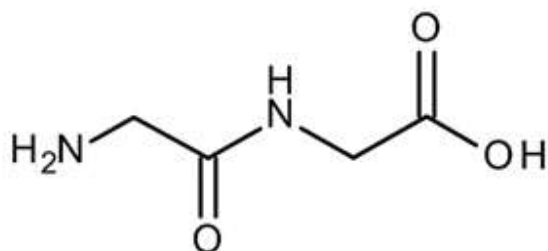
Safety Information and Hazard Symbols

--

GLYCYL GLYCINE 99% FOR BIOCHEMISTRY

(pKa = 8.2 at 25 deg C 25 gm useful pH range 7.5-8.9) Gly-Gly; Diglycine

Product Code.	01299	Grade	
Purity	99%	CAS No.	556-50-3
Molecular Formula	C4H8N2O3	Molecular Weight	132.12
H.S.Code	2924.19000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
pH value	4.5 - 6.0 at 132,12 g/l at 25 °C	Melting point/ Freezing point [°C]	255 - 260 °C	Decomposition point [°C]	263°C
Solubility in water [% weight]	132 g/l at 20 °C - completely soluble				

Packaging

Specification

Appearance	White crystalline powder
Assay (by HClO4 titration)	Min 99%
UV absorbance (at 250 nm; 20 g/l; 1 cm; water)	Max 0.05
Chloride (Cl)	Max 0.005%
Sulphate (SO4)	Max 0.005%
Heavy metal (as Pb)	Max 0.0005%

Sodium (Na)	Max 0.01%
Loss on drying (at 105°C)	Max 1%

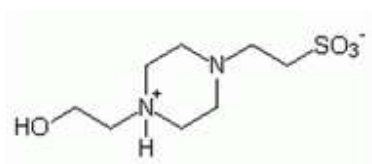
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H319 Precaution Statement: P305 + P351 + P338

HEPES BUFFER 99%

Good zwitterionic buffer substance suitable for tissue culture work pka - 7.5, Useful pH range 6.8 - 8.2 4-(2-Hydroxyethyl)piperazine-1-ethanesulfonic acid; N-(2-Hydroxyethyl)piperazine-N'-(2-ethanesulfonic acid)

Product Code.	01331	Grade	
Purity	99%	CAS No.	7365-45-9
Molecular Formula	C8H18N2O4S	Molecular Weight	238.30
H.S.Code	2933.59900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	pH value	5.0 - 6.5 at 238 g/l at 25 °C
Melting point/ Freezing point [°C]	234 °C	Solubility in water [% weight]	Soluble in water		

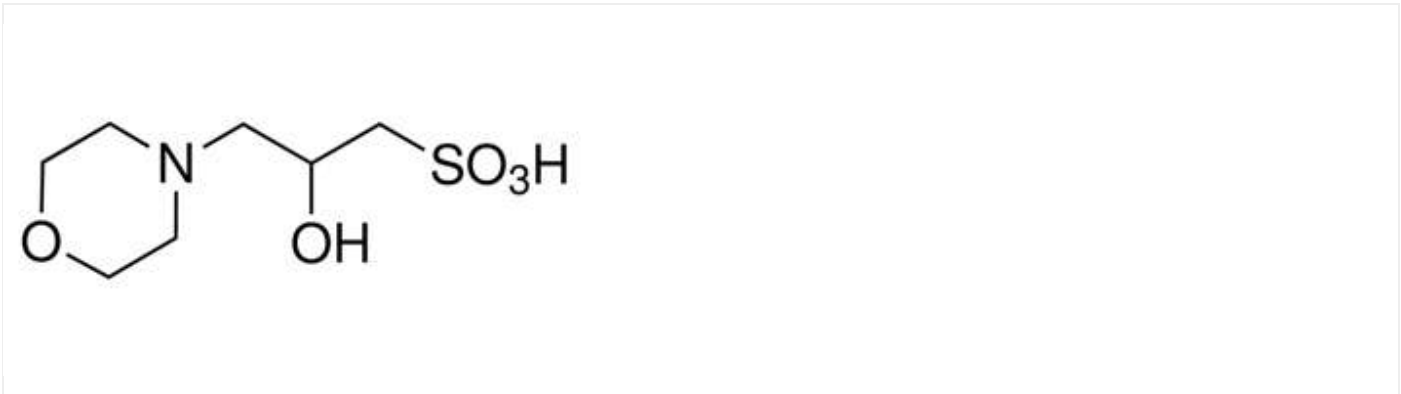
Specification

Appearance	White powder
Assay	Min 99%
Chloride (Cl)	Max 0.005%
Sulphate (SO4)	Max 0.005%
Heavy metal (as Pb)	Max 0.0005%
Sodium (Na)	Max 0.01%
Loss on drying (at 105°C)	Max 1.0%

MOPSO BUFFER 99% EXTRAPURE

3-Morpholino-2-hydroxypropanesulphonic acid

Product Code.	01767	Grade	
Purity	99%	CAS No.	68399-77-9
Molecular Formula	C7H15NO5S	Molecular Weight	225.30
H.S.Code	2934.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	273 - 274 °C	Solubility in water [% weight]	112.6 g/l at 20 °C		

Packaging

--

Specification

Appearance	White crystalline powder
Assay	Min 99%
Water (H2O)	Max 1%
Residue on ignition (as SO4)	Max 0.2%
Solubility (0.5 M in water; 20°C)	Clear
pK (at 20°C)	6.95
Melting point	275 - 280 deg C
Chloride (Cl)	Max 0.05%

Copper (Cu)	Max 0.0005%
Sulphate (SO4)	Max 0.005%
Iron (Fe)	Max 0.0005%
Calcium (Ca)	Max 0.001%
Potassium (K)	Max 0.005%
Cadmium (Cd)	Max 0.0005%
Magnesium (Mg)	Max 0.0005%
Nickel (Ni)	Max 0.0005%
Lead (Pb)	Max 0.0005%
Chromium (Cr)	Max 0.0005%
Sodium (Na)	Max 0.05%
Zinc (Zn)	Max 0.0005%

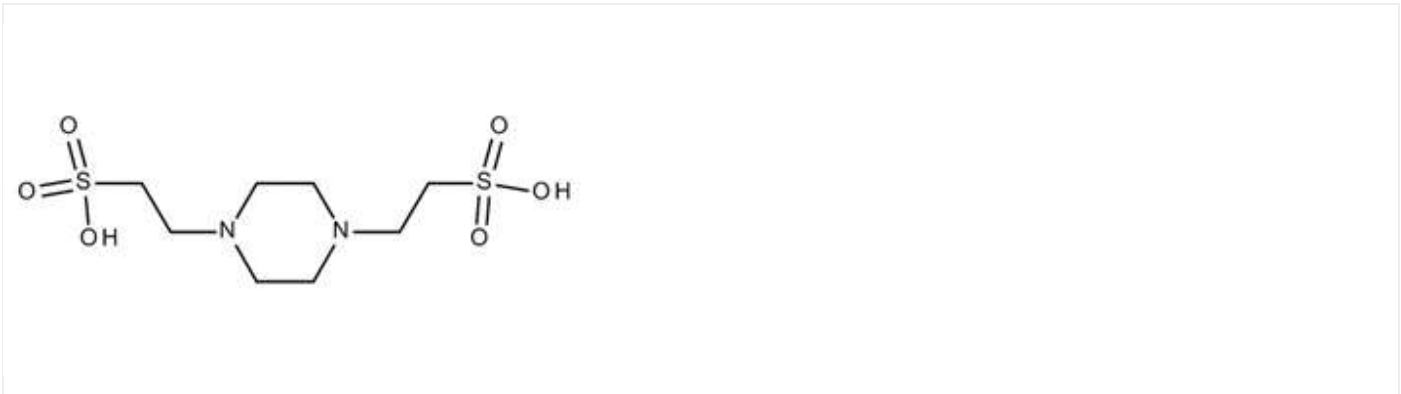
Safety Information and Hazard Symbols


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

PIPES (BUFFER) 99%

Piperazine-N,N-BIS-2-Ethene Sulphonic acid

Product Code.	02042	Grade	
Purity	99%	CAS No.	5625-37-6
Molecular Formula	C8H18N2O6S2	Molecular Weight	302.36
H.S.Code	2933.59900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Melting point/ Freezing point [°C]	> 300 °C
-------------------------	-------	--------	--------------	------------------------------------	----------

Packaging

--

Specification

Appearance	White powder
Assay	Min 99%
UV absobance (250 nm; 20 g/L; 1 cm, 1 mol/L NaOH)	Max 0.05
Chloride (Cl)	Max 0.2%
Sulphate (SO4)	Max 0.005%
Heavy metal (as Pb)	Max 0.0005%
Sodium (Na)	Max 0.2%
Loss on drying (at 105°C)	Max 0.5%

POPSO BUFFER (FOR BIOCHEMISTRY)

Piperazine-1,4-bis(2-hydroxypropanesulfonic acid) dihydrate; Piperazine-N,N'-bis(2-hydroxypropanesulfonic acid)

Product Code.	02060	Grade	
Purity	97%	CAS No.	68189-43-5
Molecular Formula	C10H22N2O8S2.2H2O	Molecular Weight	398.50
H.S.Code	2933.99000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Melting point/ Freezing point [°C]	300 °C
-------------------------	-------	--------	--------------	------------------------------------	--------

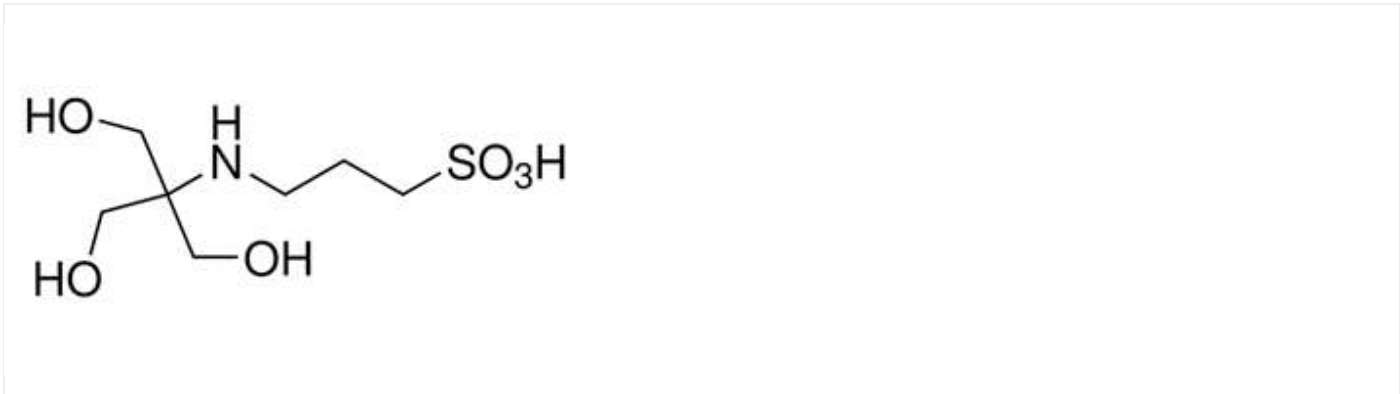
Specification

Appearance	White powder
Assay	Min 97%
Solubility (0.1 M in 1 M NaOH; 20°C)	Clear
pK (at 20°C)	7.85
Chloride (Cl)	Max 0.2%
Copper (Cu)	Max 0.005%
Sulphate (SO4)	Max 0.05%
Iron (Fe)	Max 0.005%
Calcium (Ca)	Max 0.005%
Potassium (K)	Max 0.01%
Cadmium (Cd)	Max 0.005%
Sodium (Na)	Max 0.1%
Cobalt (Co)	Max 0.005%
Nickel (Ni)	Max 0.005%
Lead (Pb)	Max 0.005%
Zinc (Zn)	Max 0.005%

TAPS BUFFER 99% FOR BIOCHEMISTRY

N-[Tris(hydroxymethyl)methyl]-3-aminopropanesulfonic acid

Product Code.	02617	Grade	
Purity	99%	CAS No.	29915-38-6
Molecular Formula	C7H17NO6S	Molecular Weight	243.28
H.S.Code	3822.00900	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	230 - 235 °C	Flash point [°C]	> 110 °C	Solubility in water [% weight]	121.6 g/l at 20 °C

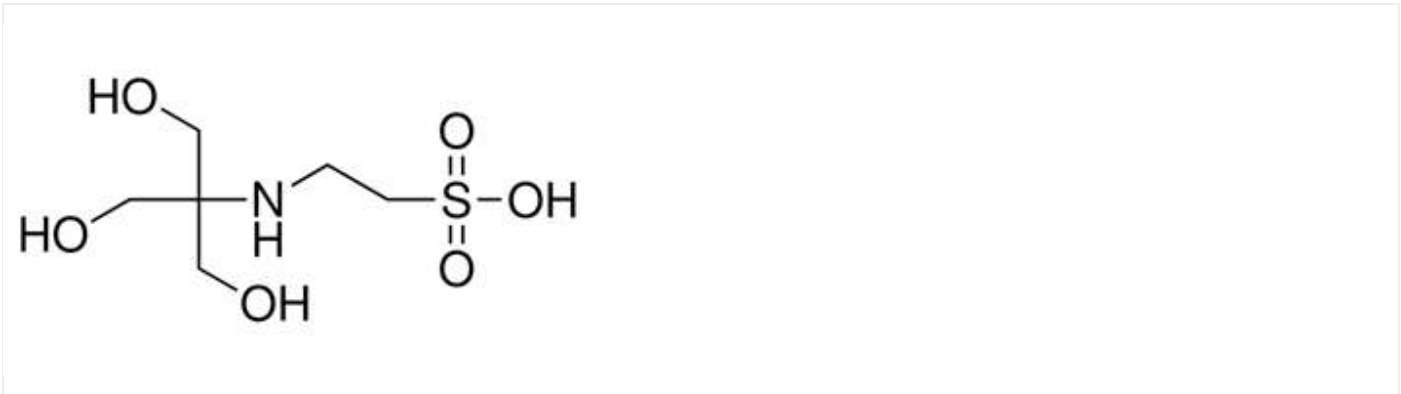
Specification

Appearance	White crystalline powder
Assay (alkalimetric)	Min 99%
UV absorbance (at 250 nm; 20 g/l; 1 cm; water)	Max 0.05
Chloride (Cl)	Max 0.005%
Sulphate (SO4)	Max 0.005%
Heavy metal (as Pb)	Max 0.0005%
Sodium (Na)	Max 0.005%
Loss on drying (at 105°C)	Max 0.2%
Biological buffer, pKa at 20°C	8.40

TES BUFFER 99% FOR BIOCHEMISTRY

N-tris (hydroxymethyl) Methyl-2-aminoethane Sulphonic Acid

Product Code.	02628	Grade	For Biochemistry
Purity	99%	CAS No.	7365-44-8
Molecular Formula	C6H15NO6S	Molecular Weight	229.25
H.S.Code	2922.19900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	225 °C	Solubility in water [% weight]	229.3 g/l at 20 °C		

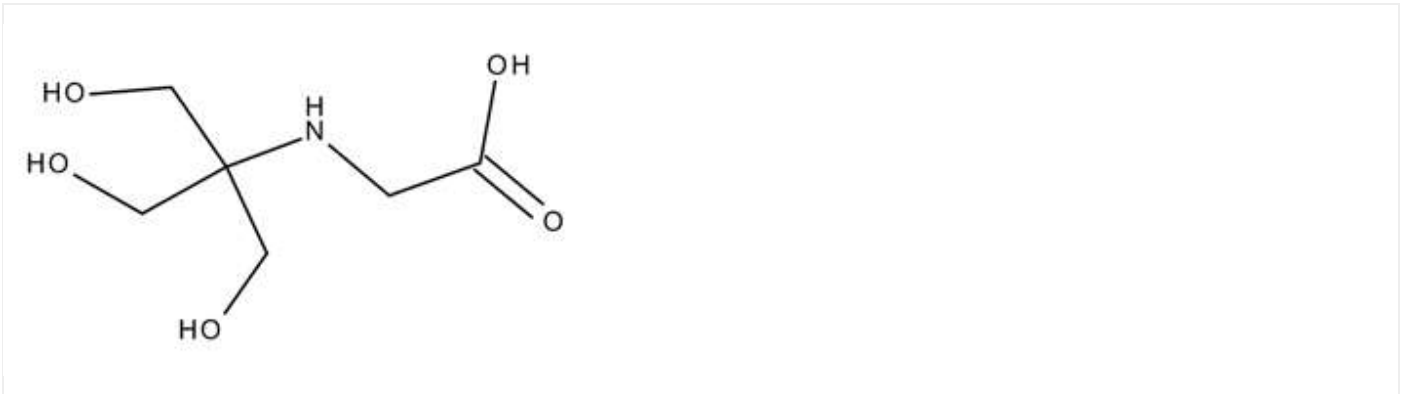
Specification

Appearance	White crystalline powder
Assay (alkalimetric)	Min 99%
Identity (IR)	Passes test
UV absorbance (at 250 nm; 5%; 1 cm; water)	Max 0.05
Chloride (Cl)	Max. 0.005%
Sulphate (SO4)	Max 0.005%
Heavy metal (as Pb)	Max 0.0005%
Sodium (Na)	Max 0.005%
Loss on drying (at 105°C)	Max 0.2%
Biological buffer, pKa at 20°C	7.50

TRICINE 99% EXTRAPURE

N-[Tris (hydroxymethyl) methyl] glycine

Product Code.	02752	Grade	
Purity	99%	CAS No.	5704-04-1
Molecular Formula	C6H13NO5	Molecular Weight	179.17
H.S.Code	2922.50900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	187 °C	Solubility in water [% weight]	89.6 g/l at 20 °C - completely soluble		

Packaging

Specification

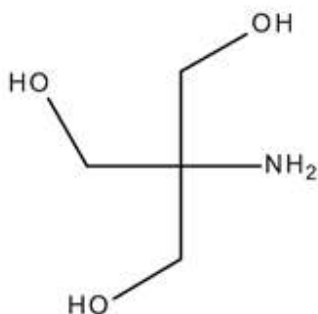
Appearance	White crystalline powder
Assay (by HClO4 titration)	Min 99%
Useful pH range	7.4 - 8.8

Safety Information and Hazard Symbols

TRIS BUFFER 99.5% AR

Standard titrimetric substance Specially prepared for biochemistry and enzymology. 2-Amino-2-(hydroxymethyl)-1,3-propanediol; THAM; Tris base; Tris(hydroxymethyl)aminomethane; Trometamol

Product Code.	02782	Grade	
Purity	99.5%	CAS No.	77-86-1
Molecular Formula	NH ₂ C(CH ₂ OH) ₃	Molecular Weight	121.14
H.S.Code	2922.50900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	pH value	10.5 - 12
Melting point/ Freezing point [°C]	167 - 172 °C	Boiling point [°C]	219 - 220 °C	Initial boiling point [°C]	219°C
Final boiling point [°C]	220 °C	Solubility in water [% weight]	Soluble in water		

Packaging

Specification

Appearance	White crystalline powder
Assay (by HCl titration; on anhydrous basis)	Min 99.5%
pH (5% solution in water)	10 - 11
Absorbance (A1% /cm;) (1 M Solution in HPLC water) at 260	Max 0.05
at 280	Max 0.04
Melting point	169 - 171°C

Chloride (Cl)	Max 0.001%
Water (H ₂ O)	Max 0.5%
Biological buffer at 25°C	pKa 8.07

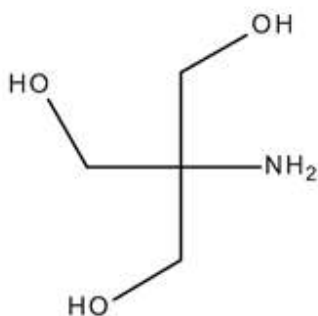
Safety Information and Hazard Symbols


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

TRIS BUFFER 99% EXTRAPURE

Suitable for preparation purpose. 2-Amino-2-(hydroxymethyl)-1,3-propanediol; THAM; Tris base; Tris(hydroxymethyl)aminomethane; Trometamol

Product Code.	02781	Grade	Extrapure
Purity	99%	CAS No.	77-86-1
Molecular Formula	NH ₂ .C(CH ₂ OH) ₃	Molecular Weight	121.14
H.S.Code	2922.50900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	pH value	10.5 - 12
Melting point/ Freezing point [°C]	167 - 172 °C	Boiling point [°C]	219 - 220 °C	Initial boiling point [°C]	219°C
Final boiling point [°C]	220 °C	Solubility in water [% weight]	Soluble in water		

Specification

Appearance	White crystalline powder
Assay	Min 99.0%
Melting point	165 - 170 °C
Sulphated ash	Max 0.15%
Biological buffer, pKa at 20°C	8.3

Safety Information and Hazard Symbols

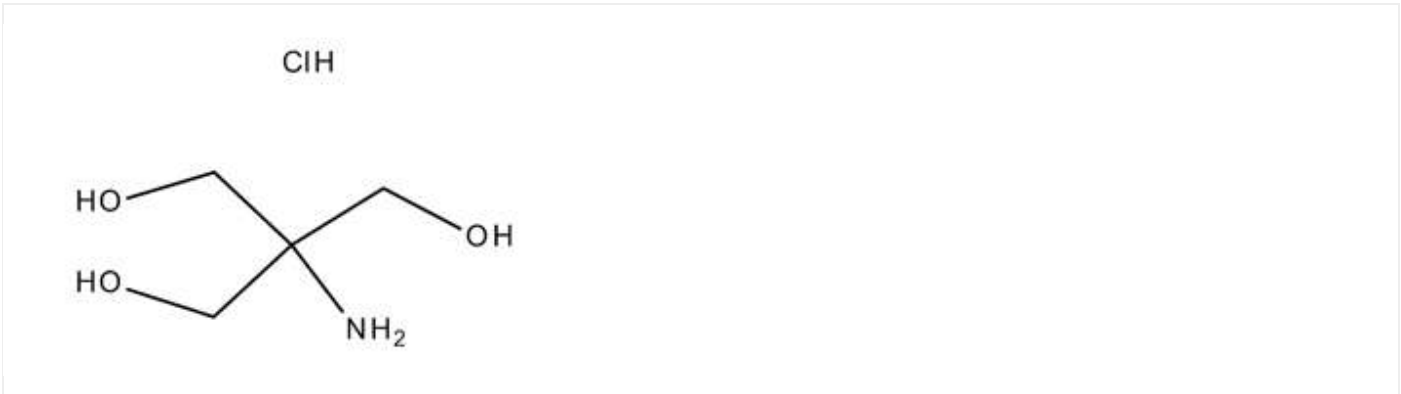


Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H315-H319-H335
Precaution Statement: P261-P305 + P351 + P338

TRIS HYDROCHLORIDE 99% AR

TRIS HCl ; Tris(hydroxymethyl)aminomethane hydrochloride

Product Code.	02783	Grade	AR
Purity	99%	CAS No.	1185-53-1
Molecular Formula	C4H11NO3.HCl	Molecular Weight	157.60
H.S.Code	2922.50900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	pH value	3.5 - 5.0
Melting point/ Freezing point [°C]	150 - 152 °C	Solubility in water [% weight]	Soluble in water		

Packaging

--

Specification

Appearance	White crystalline powder
Assay	Min 99%
Solubility (0.5 M in water; 20°C)	Complete and colourless
Insoluble matter	Passes filter test
Residue on ignition (as SO4; at 900°C)	Max 0.2%
Iron (Fe)	Max 0.0001%

Safety Information and Hazard Symbols

--

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

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