

Углеводы

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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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
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Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
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Вологда (8172)26-41-59
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Ижевск (3412)26-03-58
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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
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Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
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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
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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
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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

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ACACIA (ENZYME FREE) AR

Heat inactivated under nitrogen emulsifying agent for Olive Oil in serum lipase determination inhibits cleavage of lower fatty acid esters. Gum Acacia ; d. 1.39 - 1.49

Product Code.	00003	Grade	
Purity		CAS No.	9000-01-5
Molecular Formula		Molecular Weight	0.00
H.S.Code	1301.20000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Cream coloured powder	pH value	4.1 - 4.8
Density [g/cm3]	1.39 - 1.49	Solubility in water [% weight]	Soluble in water		

Packaging



Specification

Appearance	A cream colored powder
Acid insoluble ash	Max 0.2%
Insoluble matter	Max 0.2%
Loss on drying (at 105°C)	Max 10.0%
Ash content	Max 3.0%
Starch and dextrin	No reaction
Tannins	No reaction

Safety Information and Hazard Symbols

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ACACIA EXTRAPURE

Confirming to IP Gum Acacia Powder

Product Code.	00002	Grade	Extrapure
Purity		CAS No.	9000-01-5
Molecular Formula		Molecular Weight	0.00
H.S.Code	1301.20000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Cream coloured powder	pH value	4.1 - 4.8
Density [g/cm3]	1.39 - 1.49	Solubility in water [% weight]	Soluble in water		

Packaging



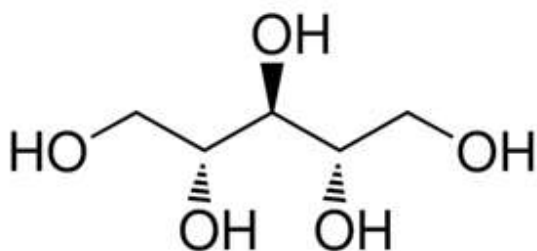
Specification

Appearance	A cream colored powder
Identity	Passes Test
Agar and tragacanth	Passes Test
Starch and dextrin	Passes Test
Tannins	Passes Test
Sucrose and fructose	Passes Test
Insoluble matter	Max 0.5%
Sulphated ash	Max 5.0%
Acid insoluble ash	Max 1.0%
Loss on drying	Max 15.0%

ADONITOL 99% FOR BIOCHEMISTRY

Adonite, Ribitol

Product Code.	00076	Grade	
Purity	99%	CAS No.	488-81-3
Molecular Formula	C5H12O5	Molecular Weight	152.15
H.S.Code	2905.49000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to off white	Melting point/ Freezing point [°C]	102 °C
Solubility in water [% weight]	Soluble in water				

Packaging



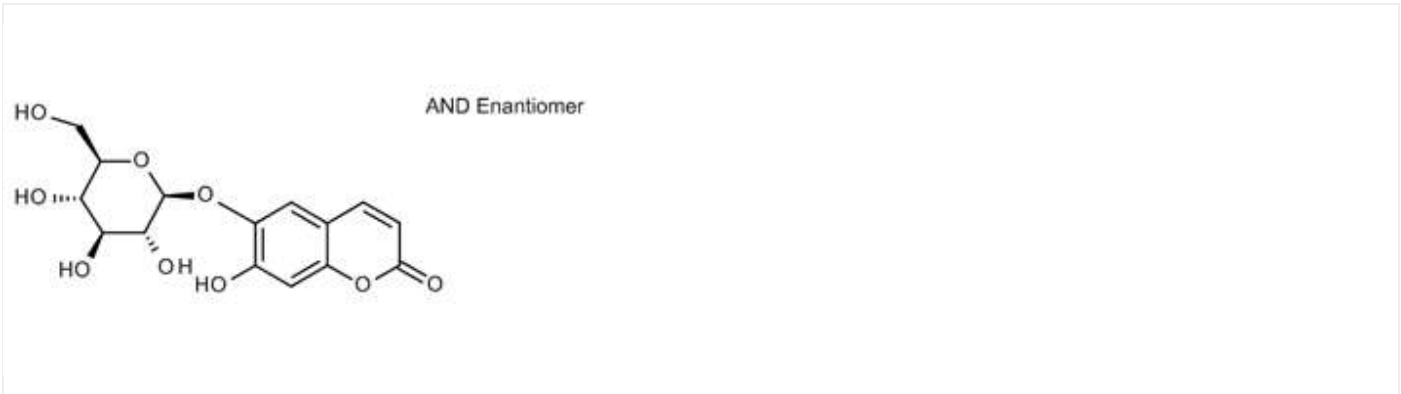
Specification

Appearance	White to slight off -white Crystalline powder
Assay	Min 99.0%
Melting range	100-105 degC
Suitability (for microbiology)	Passes test
Water (H2O)	Max 0.5%

AESCULIN 98% EXTRAPURE

6,7-Dihydroxycoumarin 6-glucoside; Esculin; Aesculinum; Esculetin-6-β-D-glucopyranoside

Product Code.	00079	Grade	Extrapure
Purity	98%	CAS No.	66778-17-4
Molecular Formula	C15H16O9+1.5H2O	Molecular Weight	367.31
H.S.Code	2938.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to off white	Melting point/ Freezing point [°C]	195 - 198 °C
Solubility in water [% weight]	Slightly soluble in water				

Packaging



Specification

Appearance	white to off-white powder
Assay	Min 98.0%

Safety Information and Hazard Symbols

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CALCIUM LACTATE 98% EXTRAPURE

(Confirms to IP)

Product Code.	00653	Grade	
Purity	98%	CAS No.	5743-47-5
Molecular Formula	C6H10CaO6.xH2O	Molecular Weight	218.30
H.S.Code	2918.11200	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Melting point/ Freezing point [°C]	240°C	Solubility in water [% weight]	Soluble in water		

Packaging



Specification

Appearance	White granules or powder; odourless or with slight put not unpleasant odour. The pentahydrate is somewhat efflorescent.
Assay (as C6H10CaO6; on anhdryous basis)	98.0-102.0%
Identification	Passes IP test
Acidity or alkalinity	Passes IP test
Arsenic (As)	Max 0.0002%
Heavy metal (as Pb)	Max 0.002%
Iron (Fe)	Max 0.008%
Chlorides	Max 0.02%
Sulphates	Max 0.15%
Reducing substance	Passes IP test
Loss on dryig (at 120°C; 4 hrs)	Max 30.0%

CARBOXY METHYL CELLULOSE SODIUM SALT (HIGH VISCOSITY 400-800 CPS)

Confirms IP specification CMC sodium salt

Product Code.	00690	Grade	
Purity		CAS No.	9004-32-4
Molecular Formula		Molecular Weight	0.00
H.S.Code	3912.31000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Almost white powder	Odour	Odorless
pH value	6.5 - 8.5	Density [g/cm3]	1.59	Solubility in water [% weight]	Soluble in water

Specification

Appearance	Almost white powder
Assay (as Na; HClO4 titration, on anhydrous basis)	6.5 - 9.5%
Appearance of solution	Passes test
Residue on ignition (as SO4)	20 - 29.3%
pH (1% solution)	6.5 - 8.0
Identity	Passes test
Viscosity (2% in water; 20°C)	400 - 800 cps
Insoluble matter in water	Passes test
Loss on drying (at 105°C)	Max 10.0%
Chloride (Cl)	Max 0.25%
Sodium glycolate	Max 0.4%
Heavy metal (as Pb)	Max 0.002%
Arsenic (As)	Max 0.0003%
Iron (Fe)	Max 0.02%

CARBOXY METHYL CELLULOSE SODIUM SALT (MEDIUM VISCOSITY 250-350 CPS)

Viscosity range 250-350 cps CMC sodium salt

Product Code.	00692	Grade	
Purity		CAS No.	9004-32-4
Molecular Formula		Molecular Weight	0.00
H.S.Code	3912.31000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Almost white powder	Odour	Odorless
pH value	6.5 - 8.5	Density [g/cm3]	1.59	Solubility in water [% weight]	Soluble in water

Specification

Appearance	Off white to cream colored powder
Assay (as Na; HClO4 titration, on anhydrous basis)	6.5 - 9.5%
Identity	Passes test
pH (1% solution)	6.5 - 8.0
Viscosity (1% solution; 20°C)	250 - 350 cps
Appearance of solution	Passes test
Insoluble matter in water	Passes test
Loss on drying (at 105°C)	Max 10%
Residue on ignition (as SO4)	20 - 29.3%
Chloride (Cl)	Max 0.25%
Sodium glycolate	Max 0.4%
Heavy metal (as Pb)	Max 0.002%
Arsenic (As)	Max 0.0003%
Iron (Fe)	Max 0.02%

CARBOXY METHYL CELLULOSE SODIUM SALT MEDIUM VISCOSITY (FOR MOLECULAR BIOLOGY)

Substrate for the determination of cellulose activity. CMC sodium salt

Product Code.	00691	Grade	
Purity		CAS No.	9004-32-4
Molecular Formula		Molecular Weight	0.00
H.S.Code	3912.31000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Almost white powder	Odour	Odorless
pH value	6.5 - 8.5	Density [g/cm3]	1.59	Solubility in water [% weight]	Soluble in water

Packaging

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Specification

Appearance	Almost white powder
Identity	Passes test
pH (1% solution)	6.5 - 8.0
Viscosity (2% in water; 20°C)	1100 - 1900 cps
Appearance of solution	Passes test
Insoluble matter in water	Passes test
Loss on drying (at 105°C)	Max 10.0%
Residue on ignition (as SO4)	20 - 29.3%
Chloride (Cl)	Max 0.25%
Sodium glycolate	Max 0.4%
Heavy metal (as Pb)	Max 0.002%
Arsenic (As)	Max 0.0003%
Iron (Fe)	Max 0.02%

CELLOBIOSE 98% FOR BIOCHEMISTRY

Substrate for glucosidase. β -D-Glc-(14)-D-Glc, 4-O- β -D-Glucopyranosyl-D-glucose

Product Code.	00708	Grade	
Purity	98%	CAS No.	528-50-7
Molecular Formula	C12H22O11	Molecular Weight	342.30
H.S.Code	2940.00000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Melting point/ Freezing point [°C]	239 °C				

Packaging

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Specification

Appearance	White to off-white powder
Assay (HPLC, area%)	Min 98.0%
Specific optical rotation ([α] _{20/D} ; 10% in water)	+33.0° to +35.0°
Solubility (5% in water)	Clear colorless

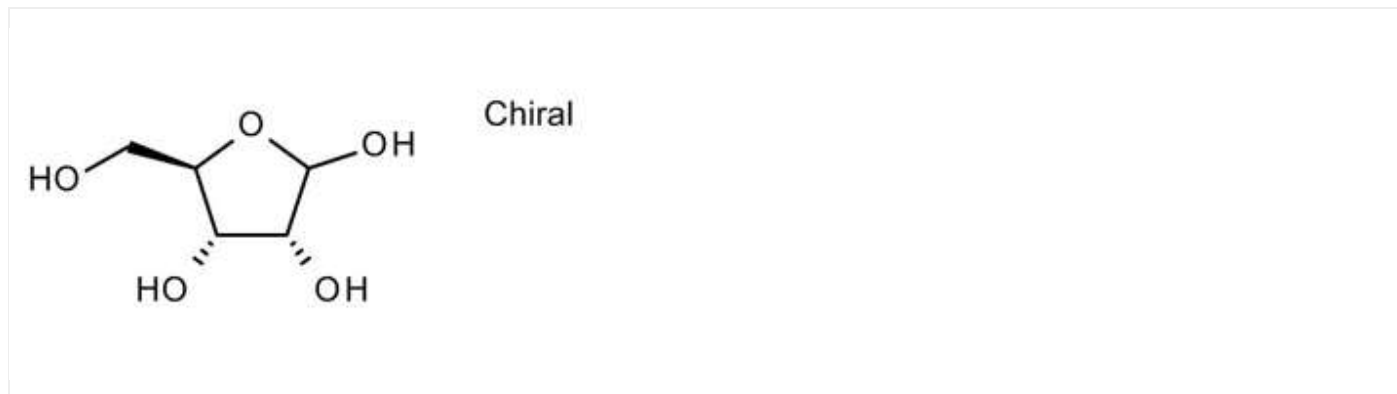
Safety Information and Hazard Symbols

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D(-) RIBOSE 99% FOR SYNTHESIS

Used as a substrate in determination of pentokinase.

Product Code.	02257	Grade	For Synthesis
Purity	99%	CAS No.	50-69-1
Molecular Formula	C5H10O5	Molecular Weight	150.13
H.S.Code	2940.00000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	pH value	7
Melting point/ Freezing point [°C]	88 - 92 °C	Density [g/cm3]	0.8	Solubility in water [% weight]	Soluble in water
Partition coefficient Log Pow octanol / water at 20°C	-2.32				

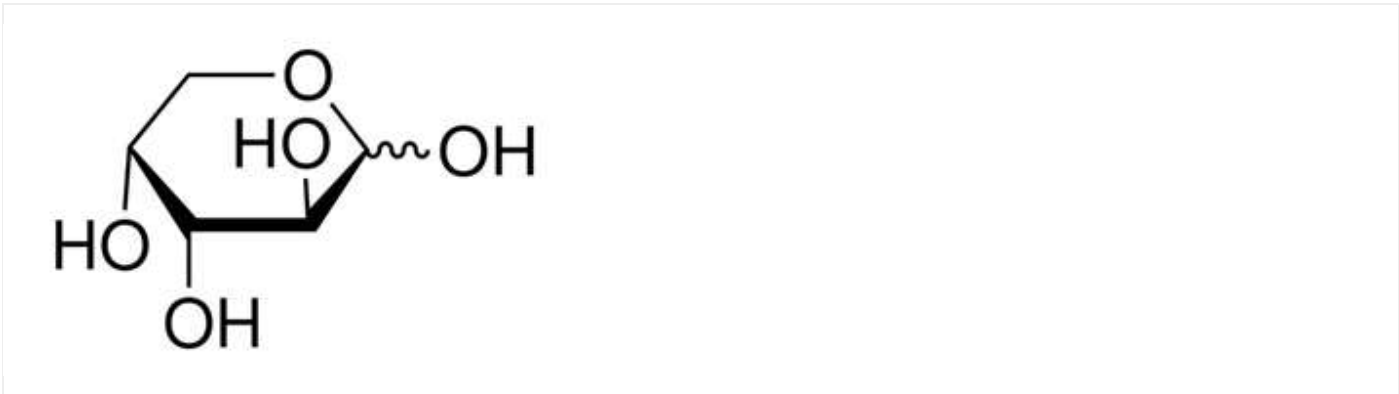
Packaging

Specification

Appearance	White to light yellow to light beige crystalline powder
Assay	Min 99%
Specific optical rotation ([α] _D ²⁰ ; 2% in water)	-21 to -18.5 deg
Heavy metal (as Pb)	Max 0.001%
Water (H ₂ O)	Max 0.5%

D(-)-ARABINOSE 98% AR

Product Code.	00297	Grade	
Purity	98%	CAS No.	10323-20-3
Molecular Formula	C5H10O5	Molecular Weight	150.13
H.S.Code	2940.00000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Melting point/ Freezing point [°C]	162 - 164 °C	Density [g/cm3]	1.58	Solubility in water [% weight]	Soluble in water

Packaging



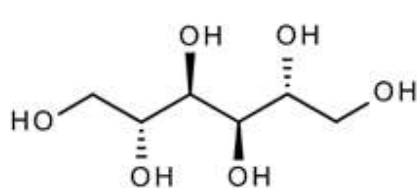
Specification

Appearance	White to off white powder
Assay	Min 98%
Specific optical rotation (c=10; water; 20°C)	-105° to -103°

D(-)MANNITOL 98% EXTRAPURE

Mannite

Product Code.	01635	Grade	for biochemistry
Purity	98%	CAS No.	69-65-8
Molecular Formula	C6H14O6	Molecular Weight	182.17
H.S.Code	2905.43000	Shelf Life	60 Months



Chiral

Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
pH value	5 - 6.5 at 182 g/l at 25 °C	Melting point/ Freezing point [°C]	167 - 170 °C	Solubility in water [% weight]	182 g/l at 20 °C - completely soluble

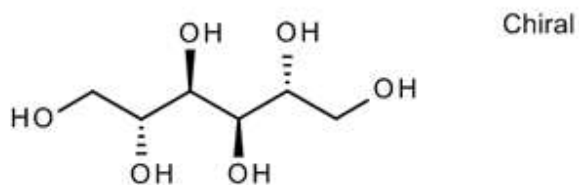
Specification

Appearance	White crystalline powder
Assay	98.0-102.0%
Melting point	166 - 169°C
Specific optical rotation ([α] _{20/D})	+23 to +25°
Loss on dryig (at 110°C)	Max 0.5%
Free acid	Max 0.1 ml N%
Sulphated ash	Max 0.05%
Reducing sugars (as glucose)	Max 0.2%

D(-)-MANNITOL 99% AR FOR BACTERIOLOGY

Internal standard in the GLC analysis of glycolipids for bacteriology and boric acid determination.
Mannite

Product Code.	01636	Grade	
Purity	99%	CAS No.	69-65-8
Molecular Formula	C6H14O6	Molecular Weight	182.17
H.S.Code	2905.43000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
pH value	5 - 6.5 at 182 g/l at 25 °C	Melting point/ Freezing point [°C]	167 - 170 °C	Solubility in water [% weight]	182 g/l at 20 °C - completely soluble

Packaging

Specification

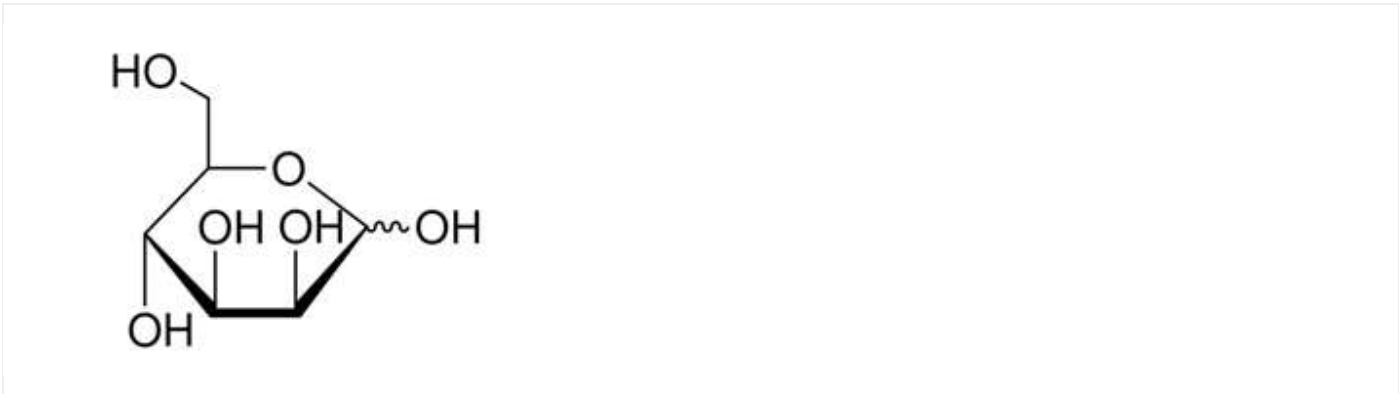
Appearance	White crystalline powder
Assay	Min 99%
Melting point	165 - 169 deg C
Specific optical rotation ([α] _D ²⁰)	+23 to +25 deg
Loss on drying (at 105°C)	Max 0.05%
Insoluble matter	Max 0.01%

Acidity (as CH3COOH)	Max 0.005%
Sulphated ash	Max 0.02%
Chloride (Cl)	Max 0.001%
Sulphate (SO4)	Max 0.005%
Arsenic (As)	Max 0.0001%
Calcium (Ca)	Max 0.001%
Copper (Cu)	Max 0.0005%
Iron (Fe)	Max 0.0005%
Lead (Pb)	Max 0.0005%
Reducing sugars (as glucose)	Max 0.05%
Substance darkened by H2SO4	Passes test
D (-)-Sorbite (GC)	Max 1%

Safety Information and Hazard Symbols

D(+)**M**ANNOSE 99% FOR BIOCHEMISTRY
D-Mannopyranose

Product Code.	01637	Grade	For Biochemistry
Purity	99%	CAS No.	3458-28-4
Molecular Formula	C6H12O6	Molecular Weight	180.16
H.S.Code	2940.00000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Melting point/ Freezing point [°C]	132°C	Density [g/cm3]	1.539	Solubility in water [% weight]	Soluble in water

Packaging

Specification

Appearance	White powder
Assay	Min 99%
Heavy metal (as Pb)	Max 0.001%
Water (H2O)	Max 0.5%
Specific optical rotation ([?]20/D; 5% in water)	+13.8° to +14.4°

Safety Information and Hazard Symbols

D(+)-MELIBIOSE FOR BACTERIOLOGY

Substrate for galactosidase 6-O-a-D-Galactopyranosyl-D-glucose

Product Code.	01644	Grade	
Purity		CAS No.	66009-10-7
Molecular Formula	C12H22O11.H2O	Molecular Weight	360.32
H.S.Code	2940.00000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Melting point/ Freezing point [°C]	182 °C
Solubility in water [% weight]	Soluble in water				

Packaging

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Specification

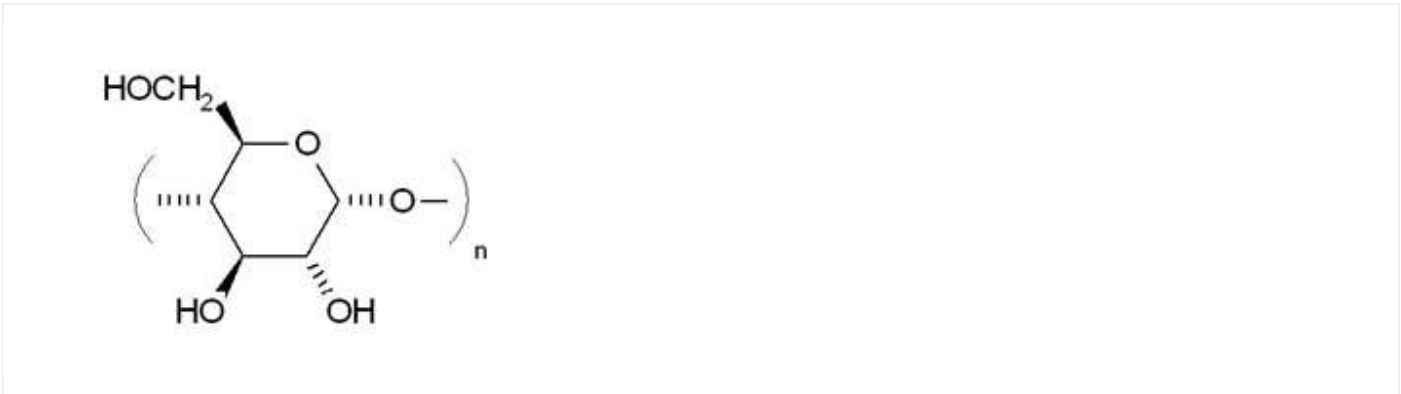
Appearance	White powder
Saccharose	Max 0.1%
Water (H2O)	3.5 - 5.0%
Specific optical rotation ([α] _D ²⁰ ; 5% in water; on dried substance)	+141 to +143 deg

Safety Information and Hazard Symbols

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DEXTRIN WHITE

Product Code.	00940	Grade	
Purity		CAS No.	9004-53-9
Molecular Formula	(C6H10O5)n.XH2O	Molecular Weight	0.00
H.S.Code	3505.10900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to off white	Vapour density	5.6
Solubility in water [% weight]	Soluble in hot water				

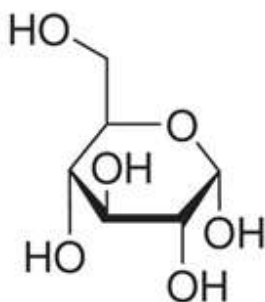
Specification

Appearance	White to off white powder
Identity (IR)	Passes test
Loss on dryig (at 110°C)	Max 13.0%
Sulphated ash	Max 0.5%
Reducing sugars (as glucose)	Max 5.0%
Suitability (for bacteriological use)	Passes test

DEXTROSE ANHYDROUS AR

For bacteriology D-(+)-Glucose ; Glucose Anhydrous

Product Code.	00943	Grade	AR
Purity	99.5%	CAS No.	50-99-7
Molecular Formula	C6H12O6	Molecular Weight	180.16
H.S.Code	1702.30310	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Colorless crystals	Odour	Odorless
pH value	5.9	Melting point/ Freezing point [°C]	146°C	Density [g/cm3]	1.54
Solubility in water [% weight]	1 g/1.1 ml water @ 250C				

Packaging

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Specification

Appearance	White crystalline powder
Specific rotation (C=10, H2O/dilute NH3) (Anhydrous substance)	+52.5° to +53°
Insoluble matter	Max 0.005%
Titration acid	Max 0.002 meq/gm
Residue on ignition	Max 0.02%
Water (by KF)	Max 1.0%

Chloride (Cl)	Max 0.01%
Sulphate & sulphite (as SO4)	Max 0.005%
Starch	Passes ACS test
Iron (Fe)	Max 0.0005%
Heavy metal (as Pb)	Max 0.0005%
Arsenic (As)	Max 0.00004%
Lead (Pb)	Max 0.00005%
Loss on dryig (at 105°C; 6 hrs)	Max 0.2%

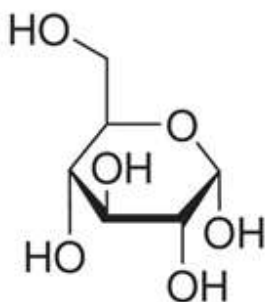
Safety Information and Hazard Symbols

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DEXTROSE ANHYDROUS EXTRAPURE

(Confirms to IP, BP, USP) D-(+)-Glucose ; glucose Anhydrous

Product Code.	00942	Grade	Extrapure
Purity		CAS No.	50-99-7
Molecular Formula	C6H12O6	Molecular Weight	180.16
H.S.Code	1702.30310	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Colorless crystals	Odour	Odorless
pH value	5.9	Melting point/ Freezing point [°C]	146°C	Density [g/cm3]	1.54
Solubility in water [% weight]	1 g/1.1 ml water @ 250C				

Packaging

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Specification

Appearance	White crystalline powder
Solubility	Freely soluble in water, sparingly soluble in ethanol (95 per cent)
Identification 'A'	When heated it melts, swells up and burns and an odour of burnt sugar is perceptible
Identification 'B'	A copious red precipitate is formed with potassium cupri tartrate solution
Appearance and odour of solution	Solution is clear not more intensely coloured than reference solution BYS7 and odourless

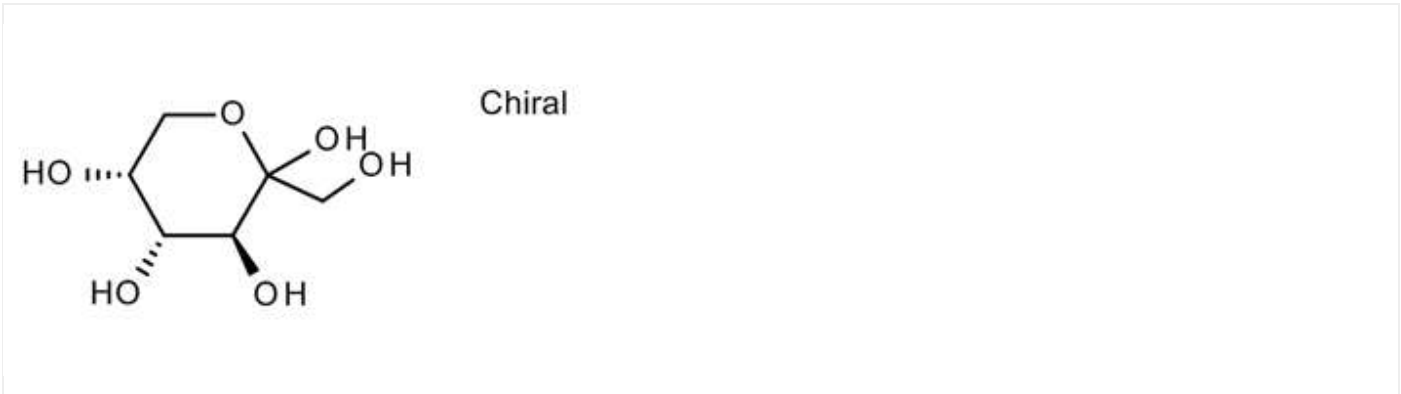
Acidity or alkalinity	NMT 0.15 ml of 0.1M NaOH is required to change the colour of solution to pink
Specific optical rotation	+52.5° to +53.3°
Arsenic (As)	Max 0.0001%
Heavy metal	Max 0.0005%
Chloride (Cl)	Max 0.0125%
Sulphite	To pass IP test
Barium (Ba)	To pass IP test
Foreign sugars, soluble starch and dextrins	To pass IP test
Sulphated ash	Max 0.1%
Water (H ₂ O)	Max 1.0 %
Bacterial endotoxin	Not more than 0.5 Endotoxin unit/ ml of a 5 % w/v solution

Safety Information and Hazard Symbols

D-FRUCTOSE 99% AR

Suitable for biochemistry and microbiology. D-Levulose, Fruit sugar

Product Code.	01257	Grade	
Purity	99%	CAS No.	57-48-7
Molecular Formula	C6H12O6	Molecular Weight	180.16
H.S.Code	1702.50000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
pH value	5 - 7 at 18 g/l at 25 °C	Melting point/ Freezing point [°C]	119 - 122 °C	Solubility in water [% weight]	18 g/l at 20 °C - completely soluble

Packaging

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Specification

Appearance	A white crystalline powder
Assay	Min 99%
Specific optical rotation ([α] _D ²⁰ ; 10% in water; on dried substance)	-93.5° to -91°
Insoluble matter	Max 0.005%
Water (H ₂ O)	Max 0.5%
Sulphated ash	Max 0.1%
Chloride (Cl)	Max 0.01%

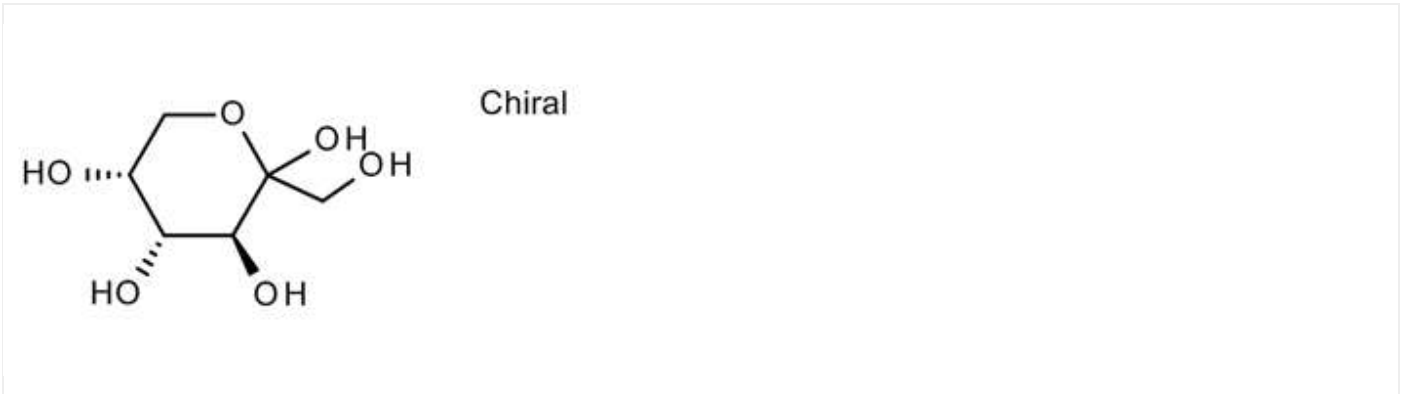
Sulphate (SO4)	Max 0.02%
D (+) Glucose (C6H12O6)	Max 0.5%
Calcium & magnesium	Max 0.005%
Heavy metal (as Pb)	Max 0.0005%
Arsenic (As)	Max 0.0001%
Barium (Ba)	Passes test
Copper (Cu)	Max 0.0025%
Lead (Pb)	Max 0.00001%
Zinc (Zn)	Max 0.0025%

Safety Information and Hazard Symbols

D-FRUCTOSE EXTRAPURE

(levulose) ;D-Levulose, Fruit sugar

Product Code.	01256	Grade	
Purity		CAS No.	57-48-7
Molecular Formula	C6H12O6	Molecular Weight	180.16
H.S.Code	1702.50000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
pH value	5 - 7 at 18 g/l at 25 °C	Melting point/ Freezing point [°C]	119 - 122 °C	Solubility in water [% weight]	18 g/l at 20 °C - completely soluble

Packaging

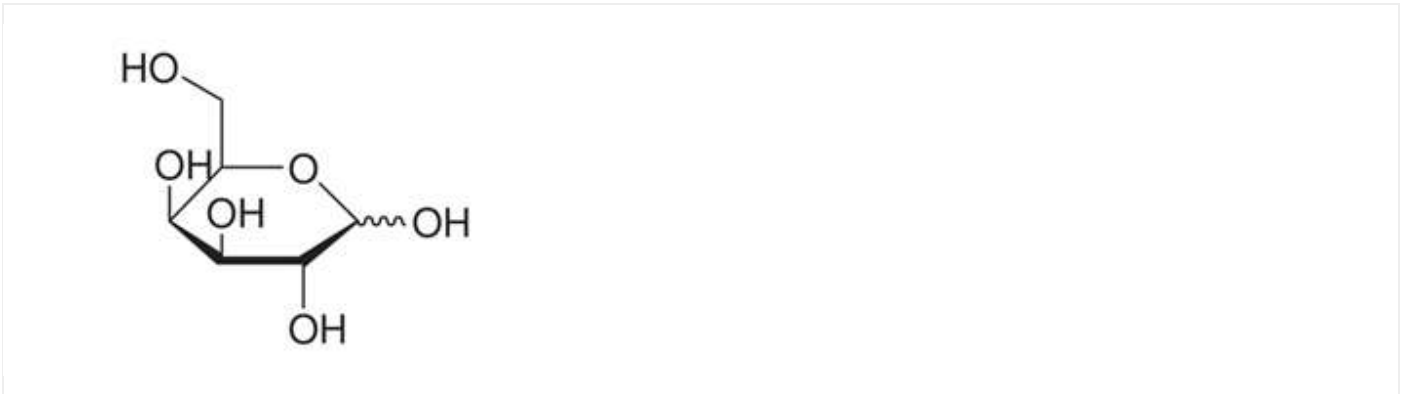
Specification

Appearance	A white crystalline powder
Specific optical rotation ([?]20/D; 10% in water; on dried substance)	-93.0 to -91.0 deg
Heavy metal (as Pb)	Max 0.001%
Water (H2O)	Max 0.5%
Suitability (for microbiology)	Passes test

Safety Information and Hazard Symbols

D-GALACTOSE EXTRAPURE

Product Code.	01270	Grade	
Purity		CAS No.	59-23-4
Molecular Formula	C6H12O6	Molecular Weight	180.16
H.S.Code	2940.00000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
pH value	5 - 7 at 180 g/l at 25 °C	Melting point/ Freezing point [°C]	168 - 170 °C	Solubility in water [% weight]	180 g/l at 20 °C

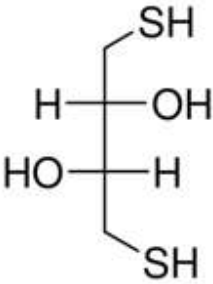
Specification

Appearance	White powder
Melting point	162 - 166 deg C
Specific optical rotation ([α] _{20/D})	+78 to +81.5 deg
Methanol (CH3OH)	Max 0.3%
Heavy metal (as Pb)	Max 0.001%
Glucose	Max 0.01%
Water (H2O)	Max 0.5%
Sulphated ash	Max 0.5%

DITHIOTHREITOL (D.T.T.) 99% EXTRAPURE

Store at 2-8°C Cleland’s reagent, DTT

Product Code.	01089	Grade	Extrapure
Purity	99%	CAS No.	3483-12-3
Molecular Formula	C4H10O2S2	Molecular Weight	154.24
H.S.Code	2930.90990	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Unpleasant Odor
pH value	4 - 6 at 15,4 g/l at 25 °C	Melting point/ Freezing point [°C]	41 - 44 °C	Flash point [°C]	113 °C
Boiling point [°C]	125 - 130°C	Initial boiling point [°C]	125°C	Final boiling point [°C]	130°C
Vapour density	5.3	Density [g/cm3]	1	Solubility in water [% weight]	15.4 g/l at 20 °C

Packaging

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Specification

Appearance	White hygroscopic powder
Assay	Min 99.0%
Iron (Fe)	Max 0.0005%
Heavy metal (as Pb)	Max 0.001%

Melting point

40 - 41 °C

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

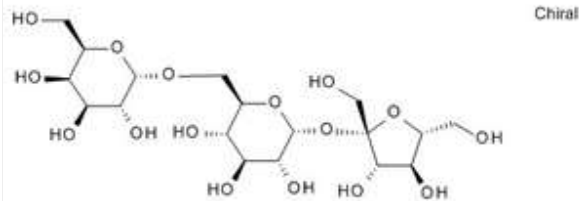
Hazardous Statement: H302-H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

D-RAFFINOSE PENTAHYDRATE 99% FOR BIOCHEMISTRY

Melitose

Product Code.	02246	Grade	For Biochemistry
Purity	99%	CAS No.	17629-30-0
Molecular Formula	C18H32O16.5H2O	Molecular Weight	594.52
H.S.Code	2940.00000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Melting point/ Freezing point [°C]	78 - 80 °C	Boiling point [°C]	118°C	Density [g/cm3]	1.465
Solubility in water [% weight]	1g/7ml in water (20°C)				

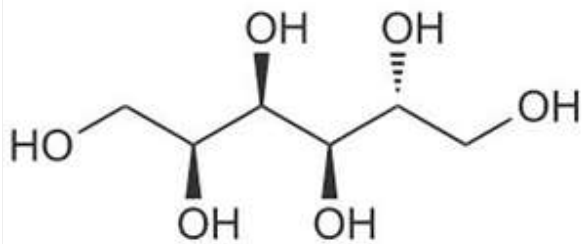
Specification

Appearance	White powder
Assay	Min 99.0%
Specific Rotation C = 4, H2O, 20°C	+104° to +106°
Melting point	78 - 80 ° C
Water (H2O)	14 - 16%

D-SORBITOL 98% EXTRAPURE FOR MICROBIOLOGY

For Microbiology D-Glucitol

Product Code.	02541	Grade	
Purity	98%	CAS No.	50-70-4
Molecular Formula	C6H14O6	Molecular Weight	182.17
H.S.Code	2905.44000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
pH value	5 - 7 at 182 g/l at 25 °C	Melting point/ Freezing point [°C]	98 - 100 °C	Boiling point [°C]	295°C
Vapour pressure mm/Hg	< 0.1 mm Hg at 25 °C	Density [g/cm3]	1.489	Solubility in water [% weight]	182 g/l at 20 °C - completely soluble

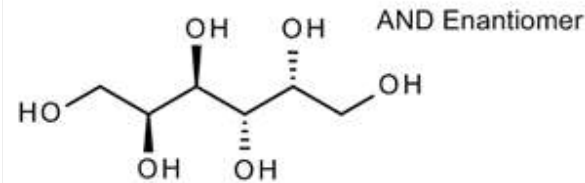
Specification

Appearance	White crystalline powder
Assay	Min 98%
Melting point	About 98°C
Heavy metal (as Pb)	Max 0.001%
Mannitol	Max 0.2%
Water (H2O)	Max 1.0%

DULCITOL FOR MICROBIOLOGY

Galactite ; (Dulcite) (Galactitol)

Product Code.	01098	Grade	For Microbiology
Purity		CAS No.	608-66-2
Molecular Formula	C6H14O6	Molecular Weight	182.17
H.S.Code	2905.49000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Melting point/ Freezing point [°C]	275 - 280 °C
Density [g/cm3]	1.47	Solubility in water [% weight]	Partially soluble in water		

Packaging

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Specification

Appearance	White crystalline powder
Melting range	185 - 188 °C
Heavy metal (as Pb)	Max 0.001%
Water (H2O)	Max 0.5%
Suitability (for microbiology)	Passes test

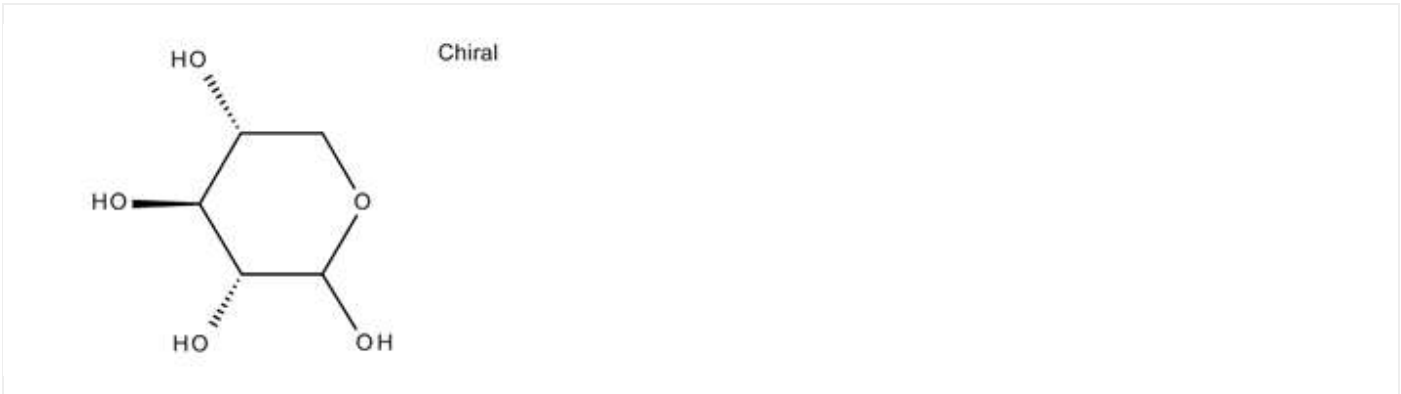
Safety Information and Hazard Symbols

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D-XYLOSE

Reactant for biochemical identification and culture media additive. (+)-Xylose; Wood sugar

Product Code.	02859	Grade	
Purity		CAS No.	58-86-6
Molecular Formula	C5H10O5	Molecular Weight	150.13
H.S.Code	2940.00000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
pH value	4.5 - 6.0	Melting point/ Freezing point [°C]	154 - 158 °C	Density [g/cm3]	1.525
Solubility in water [% weight]	150.13 g/l at 20 °C				

Packaging

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Specification

Appearance	White crystalline powder
Specific optical rotation ([?]20/D; 10% w/v solution containing 0.4% v/v of 5M ammonia)	+18.50 to +19.50 deg
Acidity	Passes test
Loss on drying (at 100°C)	Max 0.5%
Sulphated ash	Max 0.1%
Lead (Pb)	Max 0.001%
Chloride (Cl)	Max 0.033%

ETHYL CELLULOSE (18-22 CPS) AN ETHYL ETHER OF CELLULOSE

An Ethyl Ether of Cellulose

Product Code.	01155	Grade	
Purity		CAS No.	9004-57-3
Molecular Formula		Molecular Weight	0.00
H.S.Code	3912.39110	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Density [g/cm3]	1.14 g/mL at 25 °C
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Packaging

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Specification

Appearance	White free flowing powder
Viscosity range	18 - 22 cps
Ethoxyl content	48 - 49.5%

Safety Information and Hazard Symbols

ETHYL CELLULOSE LOW VISCOSITY (7 CPS)

Product Code.	01154	Grade	
Purity		CAS No.	9004-57-3
Molecular Formula		Molecular Weight	0.00
H.S.Code	3912.39110	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Density [g/cm3]	1.14 g/mL at 25 °C
Viscosity at 40°C [mm2/s]	18-22 cps				

Packaging

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Specification

Appearance	White free flowing powder
Viscosity (25°C)	7 - 10 cps

Safety Information and Hazard Symbols

GLUCOSE STANDARD STOCK (1% W/V)

Store at 2-8°C

Product Code.	01283	Grade	
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	Clear colorless	Odour	Odorless
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Packaging

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Specification

Appearance	A clear colourless solution
Assay (Benedict's)	0.985 - 1.015% w/v
Sensitivity	Passes test

Safety Information and Hazard Symbols

GLUCOSE-1-PHOSPHATE DIPOTASSIUM SALT 99%

Substrate for the estimation of phosphorylases. Store in refrigerator. Glucopyranose 1-phosphate, Cori ester

Product Code.	01282	Grade	
Purity	99%	CAS No.	5996-14-5
Molecular Formula	C6H11K2O9P.2H2O	Molecular Weight	372.36
H.S.Code	2940.00000	Shelf Life	60 Months

Physical Properties

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

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Specification

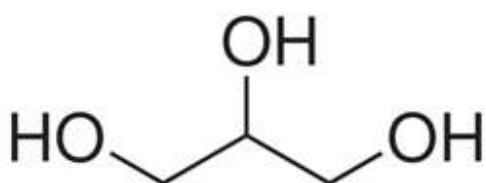
Appearance	A white powder
Assay	Min 99%

Safety Information and Hazard Symbols

GLYCEROL 98% EXTRAPURE

Confirming to IP 1,2,3-Propanetriol; Glycerol

Product Code.	01291	Grade	Extrapure
Purity	98%	CAS No.	56-81-5
Molecular Formula	C3H8O3	Molecular Weight	92.09
H.S.Code	2905.45000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Odour	Odorless
pH value	5.5 - 8	Melting point/ Freezing point [°C]	20 °C	Auto-ignition temperature [°C]	370°C
Flash point [°C]	160 °C	Boiling point [°C]	182 °C	Vapour pressure mm/Hg	0.0033 mm Hg at 50 °C
Vapour density	3.18	Density [g/cm3]	1.25	Solubility in water [% weight]	Soluble in water
Explosion limits -lower [%]	0.90%				

Packaging

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Specification

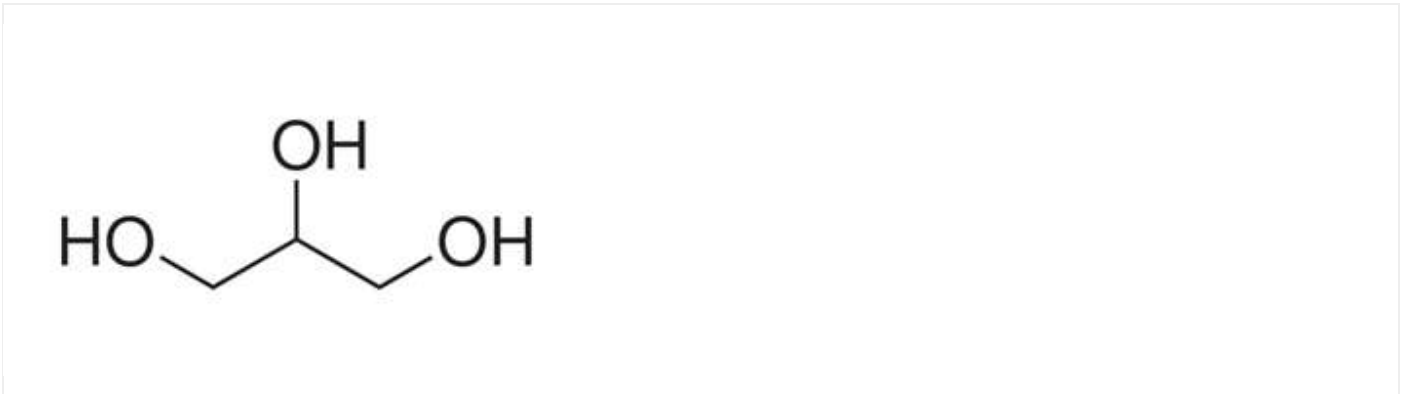
Appearance	A clear, colourless or almost colourless, odourless; very hygroscopic, syrupy liquid
Assay	98.0 - 101.0%
Identification as per IP	To comply

Clarity (50% w/v in distilled water)	Clear
Color (10 ml of 50% w/v solution diluted to 25 ml)	Colorless
Refractive index (20°C; 589 nm)	1.470 - 1.475
Acidity	Max 0.2 ml of 0.1 N NaOH required for 50 ml of 50% w/v solution
Alkalinity	NIL
Heavy metal (as Pb)	Max 0.0005%
Iron (Fe)	Max 0.0004%
Chloride (Cl)	Max 0.0025%
Sulphate (SO ₄)	Max 0.003%
Aldehyde and reducing substance	To Pass IP test
Ester	Min 8.0 ml of 0.1M HCl required to decolorise the 50 ml of 50% w/v solution of glycerin in water
Sugar	To pass IP test
Sulphated ash	Max 0.01%
Water (H ₂ O)	Max 2%

Safety Information and Hazard Symbols

GLYCEROL 99.5% AR
Confirming to USP 1,2,3-Propanetriol; Glycerol

Product Code.	01292	Grade	AR
Purity	99.5%	CAS No.	56-81-5
Molecular Formula	C3H8O3	Molecular Weight	92.09
H.S.Code	2905.45000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Odour	Odorless
pH value	5.5 - 8	Melting point/ Freezing point [°C]	20 °C	Auto-ignition temperature [°C]	370°C
Flash point [°C]	160 °C	Boiling point [°C]	182 °C	Vapour pressure mm/Hg	0.0033 mm Hg at 50 °C
Vapour density	3.18	Density [g/cm3]	1.25	Solubility in water [% weight]	Soluble in water
Explosion limits -lower [%]	0.90%				

Packaging

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Specification

Appearance	Clear colorless viscous liquid
Assay (on anhydrous basis)	Min 99.5%
Fatty acids and esters	Max 1.0 ml of 0.5N NaOH consumed
Colour scale	To Pass USP test

Chloride (Cl)	Max 0.001%
Sulphate (SO4)	Max 0.002%
Chlorinated compounds	Max 0.003%
Moisture content	Max 0.5%
Heavy metal (as Pb)	Max 0.0005%
Residue on ignition	Max 0.01%
Specific gravity (at 25°C)	Min 1.249
Total impurities (Chromatographic including Diethylene glycol)	Max 1.0%
Individual impurities	Max 0.1%

Safety Information and Hazard Symbols

GLYCOGEN FOR BIOCHEMISTRY

Tested for use as a substrate in determination of polysaccharide phonphorylase.

Product Code.	01297	Grade	
Purity	90%	CAS No.	9005-79-2
Molecular Formula	(C6H10O5)n	Molecular Weight	0.00
H.S.Code	3913.90900	Shelf Life	24 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Off-white powder	Odour	Odorless
Melting point/ Freezing point [°C]	245 °C	Solubility in water [% weight]	Soluble in water		

Packaging

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Specification

Appearance	White to light beige or creamish crystalline powder
Reducing sugars (as glucose)	Passes test
Nitrogen content (as N)	Max 0.5%
Sulphated ash	Max 3.0%
Water (H2O)	3 - 10%

Safety Information and Hazard Symbols

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GUAR GUM POWDER OF ENDOSPERM

Seed of cyamopsis tetragonotobus linn. 0.5% Solution Neutral to litmus. Guar

Product Code.	01316	Grade	
Purity		CAS No.	9000-30-0
Molecular Formula		Molecular Weight	0.00
H.S.Code	1302.32300	Shelf Life	60 Months

Physical Properties

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

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Specification

Appearance	Cream coloured powder
Tannin and starch	Passes test
Ash content	Max 1%
Loss on drying (at 105°C)	Max 8%

Safety Information and Hazard Symbols

GUM GHATTI EXTRAPURE

Suitable for urea nitrogen estimation. Indian gum

Product Code.	01314	Grade	
Purity		CAS No.	9000-28-6
Molecular Formula		Molecular Weight	0.00
H.S.Code	1301.90490	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Light to dark brown	Odour	Odorless
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Packaging

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Specification

Appearance	Light to dark brown lumps or granules, and is almost odorless.
Loss on dryig (at 105°C; 5 hrs)	Max 14%
Ash content	Max 6%
Identification	Passes test

Safety Information and Hazard Symbols

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GUM TRAGACANTH

A complex mixture of polysaccharides including tragacanthin and bassorin. Tragacanth

Product Code.	01317	Grade	
Purity		CAS No.	9000-65-1
Molecular Formula		Molecular Weight	0.00
H.S.Code	1301.90170	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Buff coloured powder	Odour	Odorless
Solubility in water [% weight]	Slightly soluble in water				

Packaging

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Specification

Appearance	A buff colored powder
Ash content	Max 4%
Foreign matter	Max 1%

Safety Information and Hazard Symbols

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HEPARIN SODIUM 1,00,000 IU/VIAL PURE

Does not contain preservative. Store in Refrigerator.

Product Code.	01330	Grade	
Purity		CAS No.	9041-08-1
Molecular Formula		Molecular Weight	0.00
H.S.Code	3001.90990	Shelf Life	36 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Solubility in water [% weight]	50 g/l
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Packaging

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Specification

Appearance	White to grayish powder, moderately hygroscopic
Activity (on dried substance)	Min 100 IU/mg

Safety Information and Hazard Symbols

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HEPARIN SODIUM 20,000 IU/VIAL PURE

Activity not less than 100 international units per mg calculated in dry material.Does not contain preservative. Store in Refrigerator.

Product Code.	01329	Grade	
Purity		CAS No.	9041-08-1
Molecular Formula		Molecular Weight	0.00
H.S.Code	3001.90990	Shelf Life	36 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Solubility in water [% weight]	50 g/l
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Packaging

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Specification

Appearance	White to grayish powder
Activity (on dried substance)	Min 100 IU/mg

Safety Information and Hazard Symbols

HYDROXY PROPYL METHYL CELLULOSE HPMC E15 LV PREMIUM

E 15 Lv Premium (Confirms USP specification)

Product Code.	01421	Grade	
Purity		CAS No.	9004-65-3
Molecular Formula		Molecular Weight	0.00
H.S.Code	3912.39190	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Solubility in water [% weight]	Insoluble in water	Viscosity at 40°C [mm2/s]	12.0 - 18.0 cps		

Packaging

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Specification

Appearance	White powder
Apparent viscosity 2% w/w	12 - 18 cps
Loss on drying	Max 10%
Residue on ignition	Max 1%
Arsenic (As)	Max 0.0003%
Heavy metal (as Pb)	Max 0.001%
Methoxyl content	28 - 30%
Hydroxypropoxy	7 - 12%

Safety Information and Hazard Symbols

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HYDROXY PROPYL METHYL CELLULOSE HPMC E50 LV PREMIUM

(HPMC) E 50 Lv Premium (Confirms USP specification)

Product Code.	01420	Grade	
Purity		CAS No.	9004-65-3
Molecular Formula		Molecular Weight	0.00
H.S.Code	3912.39190	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Solubility in water [% weight]	Insoluble in water	Viscosity at 40°C [mm2/s]	35.0 - 65.0 cps		

Packaging

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Specification

Appearance	White powder
Apparent viscosity 2% w/w	35 - 65 cps
Loss on drying	Max 10%
Residue on ignition	Max 1%
Arsenic (As)	Max 0.0003%
Heavy metal (as Pb)	Max 0.001%
Methoxyl content	28 - 30%
Hydroxypropoxy	7 -12%

Safety Information and Hazard Symbols

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HYDROXYETHYL CELLULOSE HIGH VISCOSITY (270 MPAS)

Product Code.	01411	Grade	
Purity		CAS No.	9004-62-0
Molecular Formula		Molecular Weight	0.00
H.S.Code	3912.39190	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Light brown powder	Odour	Odorless
Melting point/ Freezing point [°C]	140°C	Auto-ignition temperature [°C]	420°C	Density [g/cm3]	0.6 g/mL at 25 °C
Solubility in water [% weight]	Soluble in water	Viscosity at 40°C [mm2/s]	~270 mPas 20°C		

Packaging

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Specification

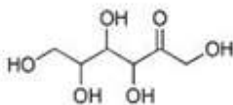
Appearance	Off white to yellow or light brown colored powder
Viscosity (2% in water; 20°C)	250 - 450 mPas

Safety Information and Hazard Symbols

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L(-) SORBOSE 98% FOR BIOCHEMISTRY

Product Code.	02543	Grade	For Biochemistry
Purity	98%	CAS No.	87-79-6
Molecular Formula	C6H12O6	Molecular Weight	180.16
H.S.Code	2940.00000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	163 °C				

Packaging

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Specification

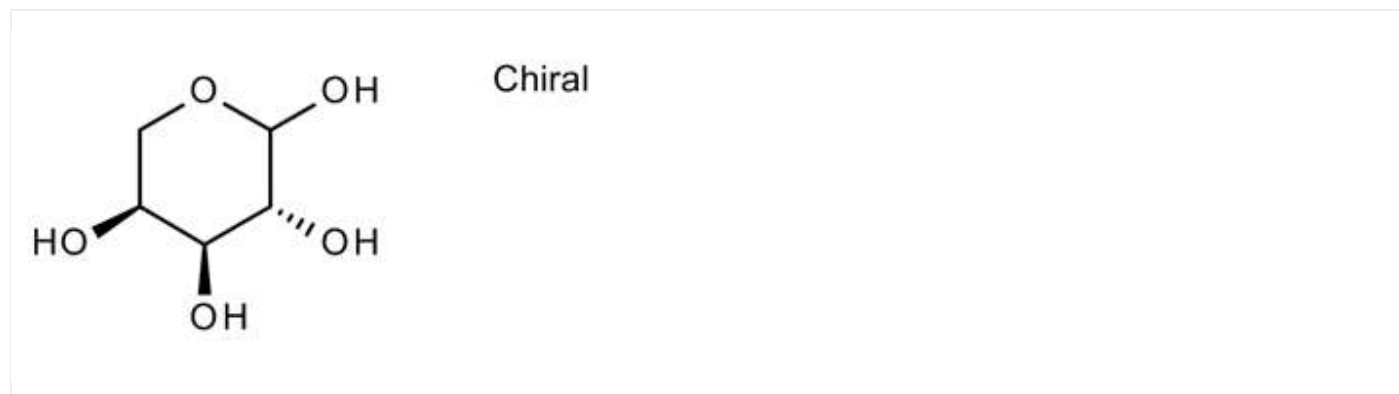
Appearance	White crystalline powder
Assay (HPLC, area%)	Min 98%
Specific optical rotation ([α] _D ²⁰ ; 5% in water)	- 43.0 +/- 2°

Safety Information and Hazard Symbols

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L(+)-ARABINOSE 99% AR

Product Code.	00298	Grade	AR
Purity	99%	CAS No.	5328-37-0
Molecular Formula	C5H10O5	Molecular Weight	150.13
H.S.Code	2940.00000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	160 - 163 °C	Density [g/cm3]	1	Solubility in water [% weight]	Soluble in water

Packaging



Specification

Appearance	White crystalline powder
Assay	Min 99.0%
Loss on drying at 60°C (in vacuo)	Max 0.5%
Arsenic (As)	Max 0.00005

Iron (Fe)	Max 0.0005%
Sulphated ash	Max 0.1%
Specific optical rotation (c=10; water; 24 hrs)	+102 to +104 °

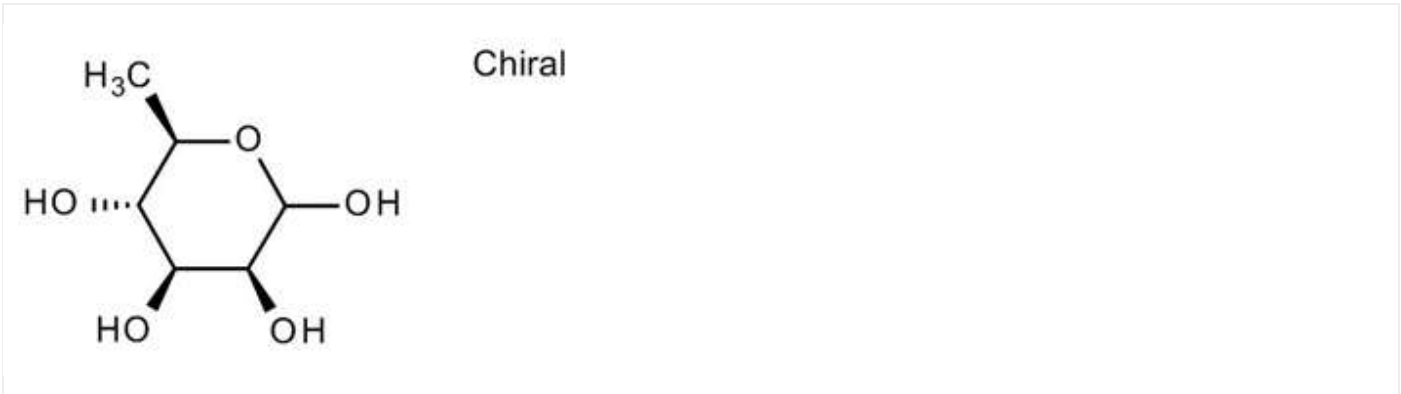
Safety Information and Hazard Symbols

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L(+)
Iso-dulcitate

RHAMNOSE MONOHYDRATE 99% FOR BIOCHEMISTRY

Product Code.	02252	Grade	For Biochemistry
Purity	99%	CAS No.	10030-85-0
Molecular Formula	C6H12O5.H2O	Molecular Weight	182.17
H.S.Code	2940.00000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
pH value	7.8 - 8.6	Melting point/ Freezing point [°C]	90 °C	Density [g/cm3]	1.47
Solubility in water [% weight]	300 g/L (20°C)				

Packaging

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Specification

Appearance	White to off-white crystalline powder
Assay	Min 99.0%
Melting point	90 - 92°C
Specific optical rotation ([α] _D ²⁰ ; 10% in water)	+8.7 to +9.2°
Water (by KF)	9 - 10.5%

Safety Information and Hazard Symbols

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LACTOSE MONOHYDRATE AR

Alcohol-soluble impurities,for bacteriological purpose ,Free from glucose. β -D-Gal-(14)-D-Glc, 4-O- β -D-Galactopyranosyl-D-glucose; Milk sugar

Product Code.	01499	Grade	monohydrate
Purity		CAS No.	64044-51-5
Molecular Formula	C12H22O11.H2O	Molecular Weight	360.31
H.S.Code	1702.11100	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	214°C	Density [g/cm3]	1.525	Solubility in water [% weight]	Partially soluble in water

Packaging

Specification

Appearance	White crystalline powder
Specific optical rotation ([α] _{20/D} ; 10% in water)	+54.4 to +55.9 deg
Water (H2O)	4.8 - 5.4%
Free acid	Max 0.25 ml N%
Insoluble matter	Max 0.005%
Alcohol soluble impurities	Max 0.2%
Sulphated ash	Max 0.3%

Nitrogen compounds (as N)	Max 0.02%
Arsenic (As)	Max 0.0001%
Copper (Cu)	Max 0.00005%
Iron (Fe)	Max 0.0002%
Lead (Pb)	Max 0.00005%

Safety Information and Hazard Symbols

LACTOSE MONOHYDRATE EXTRAPURE

Milk sugar

Product Code.	01498	Grade	Extrapure
Purity		CAS No.	10039-26-6
Molecular Formula	C12H22O11.H2O	Molecular Weight	360.31
H.S.Code	1702.11100	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	214°C	Density [g/cm3]	1.525	Solubility in water [% weight]	Partially soluble in water

Packaging

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Specification

Appearance	White or almost white crystalline powder
Specific optical rotation ([α] _D ²⁰ ; 10% in water)	+54.4 to +55.9°
Sulphated ash	Max 0.5%
Water (by KF)	4.5 - 5.5%
Heavy metal (as Pb)	Max 0.0005%
Arsenic (As)	Max 0.0001%
Copper (Cu)	Max 0.0025%

Lead (Pb)	Max 0.00005%
Zinc (Zn)	Max 0.0025%
Loss on dryig (at 80°C; 2 hrs)	Max 0.5%
Matter extractable with ethanol	Max 0.4%

Safety Information and Hazard Symbols

MALT EXTRACT POWDER FOR BACTERIOLOGY

Product Code.	01615	Grade	For Bacteriology
Purity		CAS No.	8002-48-0
Molecular Formula		Molecular Weight	0.00
H.S.Code	1901.90100	Shelf Life	24 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Light brown	Odour	Characteristic odour
Solubility in water [% weight]	Soluble in water				

Packaging

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Specification

Appearance	Light brown colored powder
Maltose	About 52%
Dextrose	About 19%
Sucrose	About 2%
Dextrins	Min 15%
Other carbohydrates	About 4%
Protein	About 4.5%
Residue on ignition	Max 4%
Loss on drying (at 105°C)	Max 6%

Safety Information and Hazard Symbols

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MALTODEXTRINE POWDER

Free from moulds, yeast, Ecoli, Salmonella.

Product Code.	01616	Grade	
Purity		CAS No.	9050-36-6
Molecular Formula		Molecular Weight	0.00
H.S.Code	1702.90900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Characteristic odour
Melting point/ Freezing point [°C]	240 °C				

Packaging

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Specification

Appearance	White powder
Dextrin equivalent	Max 20
pH (20% solution in water)	4 - 7
Loss on dryig (at 105°C; 2 hrs)	Max 6%
Residue on ignition	Max 0.5%

Safety Information and Hazard Symbols

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MALTOSE AR (MONOHYDRATE)

For vaccine production. 4-O-a-D-Glucopyranosyl-D-glucose, Maltobiose ; NRC grade for Vaccine production

Product Code.	01618	Grade	
Purity	95%	CAS No.	6363-53-7
Molecular Formula	C12H22O11.H2O	Molecular Weight	360.32
H.S.Code	1702.90200	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
pH value	5 - 7 at 180 g/l at 25 °C	Melting point/ Freezing point [°C]	119 - 121 °C	Density [g/cm3]	1.52
Solubility in water [% weight]	180 g/l at 20 °C - completely soluble				

Packaging

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Specification

Appearance	White powder
Maltose (on dry basis)	Min 95.0%
Glucose (on dry basis)	Min 1.0%
Loss on drying	Max 7.0%
pH (30% solution)	4.0-5.5

Residue on ignition	Max 0.05%
Arsenic (As)	Max 0.0002%
Heavy metal (as Pb)	Max 0.0005%
Total aerobic count	Max 300 CFU/g
Coliforms	Negative

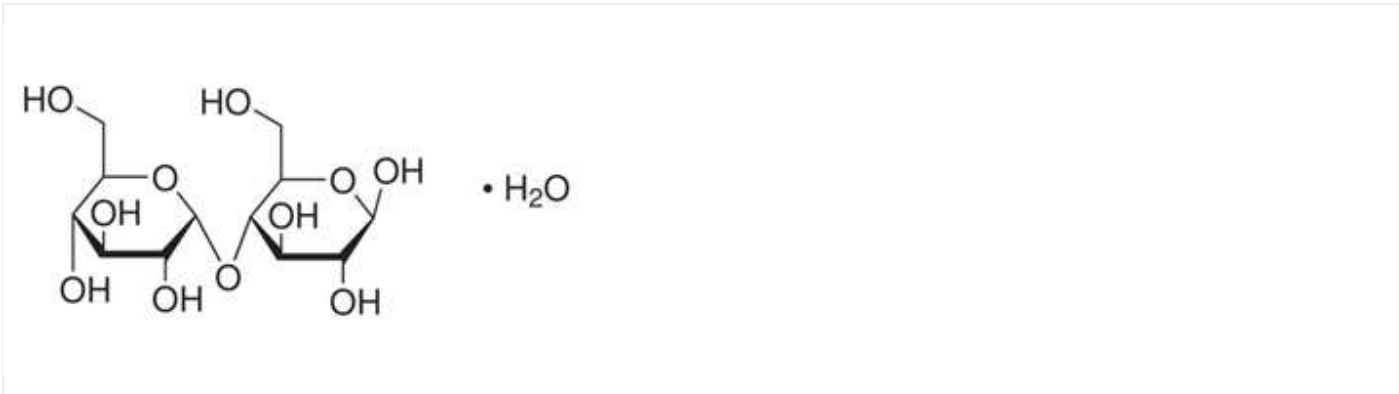
Safety Information and Hazard Symbols

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MALTOSE MONOHYDRATE 92% FOR BACTERIOLOGY

4-O-a-D-Glucopyranosyl-D-glucose, Maltobiose ; (for bacteriology & biochemistry)

Product Code.	01617	Grade	For Bacteriology
Purity	92%	CAS No.	6363-53-7
Molecular Formula	C12H22O11.H2O	Molecular Weight	360.32
H.S.Code	1702.90200	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
pH value	5 - 7 at 180 g/l at 25 °C	Melting point/ Freezing point [°C]	119 - 121 °C	Density [g/cm3]	1.52
Solubility in water [% weight]	180 g/l at 20 °C - completely soluble				

Packaging

Specification

Appearance	White to off-white Powder
Maltose (on dry basis)	Min. 92%
Glucose (on dry basis)	Max 3.0%
Loss on drying	Max 7.0
Water (by K .F)	5.0-6.5 %
Residue on ignition	Max 0.1%

Arsenic (As)	Max 0.0002%
Heavy metal (as Pb)	Max 0.0005%

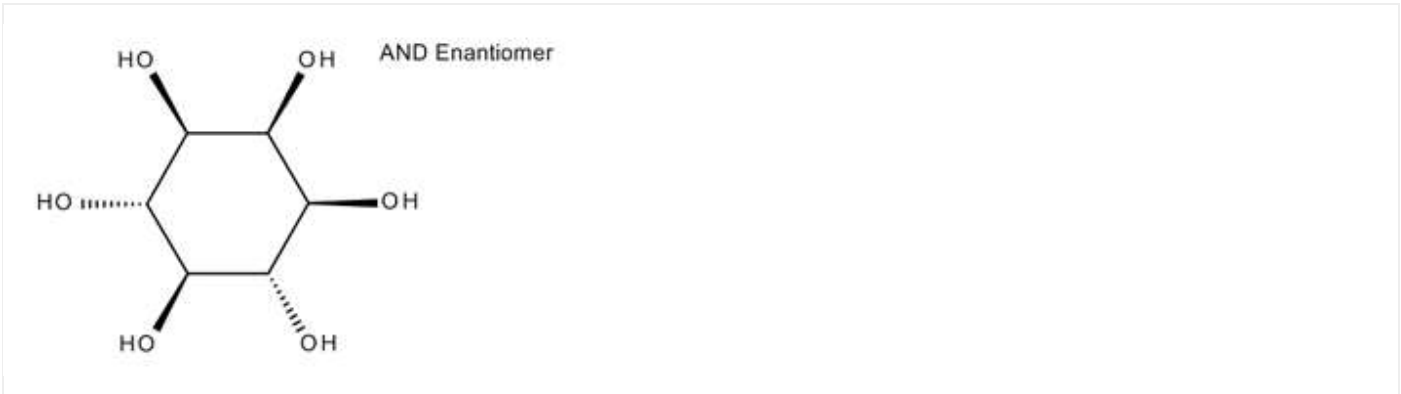
Safety Information and Hazard Symbols

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MESO-INOSITOL 99% FOR BIOCHEMISTRY

Myo-Inositol

Product Code.	01446	Grade	
Purity	99%	CAS No.	87-89-8
Molecular Formula	C6H12O6	Molecular Weight	180.16
H.S.Code	2906.13900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Melting point/ Freezing point [°C]	222 - 227 °C	Vapour density	6.2	Density [g/cm3]	1.752
Solubility in water [% weight]	Soluble in water				

Packaging

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Specification

Appearance	White powder
Assay	Min 99%
Heavy metal (as Pb)	Max 0.001%
Water (H2O)	Max 0.5%
Melting range	224 - 227 deg C
Suitability (for microbiology)	Passes test

METHYL CELLULOSE (LOW VISCOSITY)

methoxy contents 28.32%

Product Code.	01716	Grade	
Purity		CAS No.	9004-67-5
Molecular Formula		Molecular Weight	0.00
H.S.Code	3912.39220	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
pH value	5.5 - 8.0	Melting point/ Freezing point [°C]	290°C	Solubility in water [% weight]	Soluble in water

Packaging

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Specification

Appearance	White powder
Viscosity (2% in water; 20°C)	350 - 550 cps
pH (2% solutionin water; 20°C)	5.5 - 8.0
Loss on dryig (at 110°C)	Max 10%
Heavy metal (as Pb)	Max 0.00002%

Safety Information and Hazard Symbols

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PECTIN EXTRAPURE

Solution forms a stiff gel on cooling.

Product Code.	01940	Grade	
Purity		CAS No.	9000-69-5
Molecular Formula		Molecular Weight	30000.00
H.S.Code	1302.20000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Yellowish white	Odour	Odorless
Solubility in water [% weight]	Partially soluble in water				

Packaging

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Specification

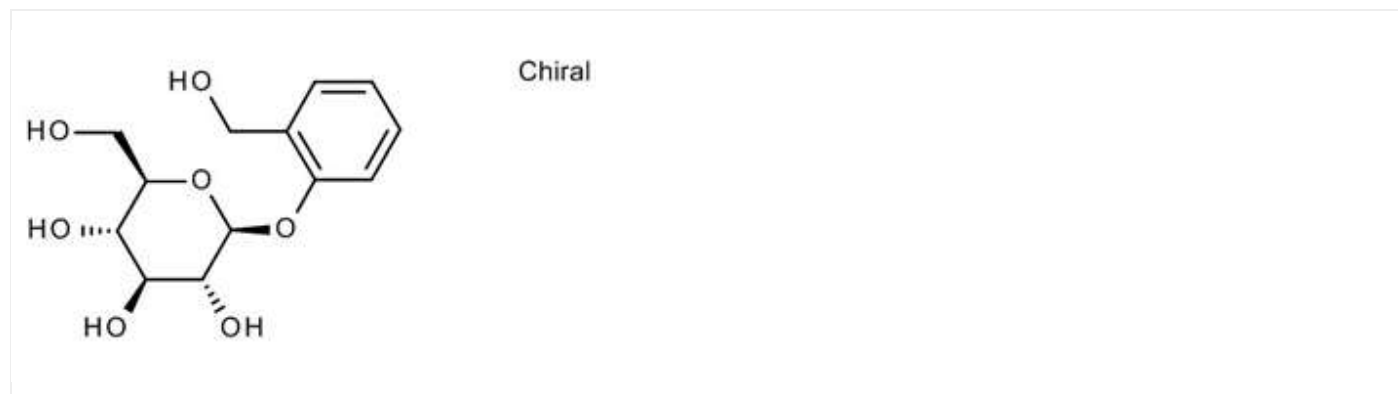
Appearance	Yellowish white powder
Water (H2O)	Max 10%
Ash content	Max 7%
Degree of esterification	63 - 66%
Methoxyl content	About 6 - 10%

Safety Information and Hazard Symbols

SALICIN 99% FOR MICROBIOLOGY

2-(Hydroxymethyl)phenyl-β-D-glucopyranoside

Product Code.	02274	Grade	For Microbiology
Purity	99%	CAS No.	138-52-3
Molecular Formula	C ₁₃ H ₁₈ O ₇	Molecular Weight	286.28
H.S.Code	2938.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Melting point/ Freezing point [°C]	196 - 202 °C
Solubility in water [% weight]	Soluble in water				

Specification

Appearance	White powder
Assay	Min 99.0%
Melting range	198-202 °C
Specific optical rotation ([α] _D ²⁰ ; c=3 in water)	-60 to -64.5 °

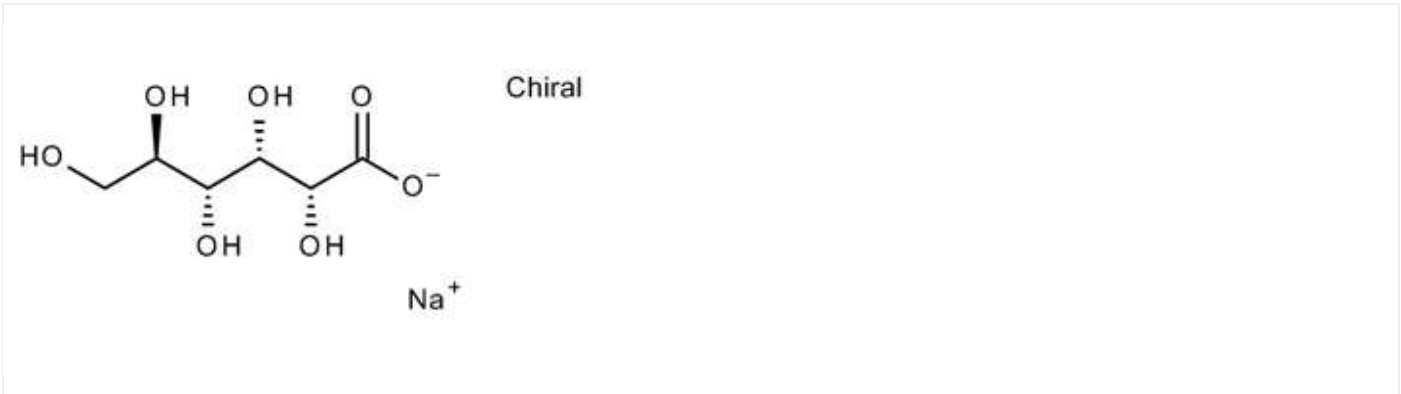
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H317 Precaution Statement: P280

SODIUM GLUCONATE 98% FOR SYNTHESIS

Confirms to USP

Product Code.	02413	Grade	For Synthesis
Purity	98%	CAS No.	527-07-1
Molecular Formula	C6H11NaO7	Molecular Weight	218.14
H.S.Code	2918.16900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to off white	Odour	Odorless
pH value	6.5 - 7.5	Melting point/ Freezing point [°C]	170 - 175 °C	Auto-ignition temperature [°C]	> 200 °C
Density [g/cm3]	0.8	Solubility in water [% weight]	Soluble in water		

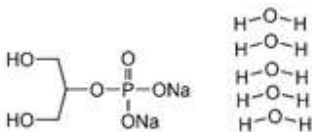
Specification

Appearance	White to off-white crystalline powder
Assay	98 - 102%
Identification: Sodium	Passes test
Identification (by TLC)	Passes test
pH (10% solution in water)	6.5 - 7.5
Chloride (Cl)	Max 0.07%
Sulphate (SO4)	Max 0.05%
Reducing substance (as glucose)	Max 0.5%
Lead (Pb)	Max 0.001%

SODIUM-B-GLYCEROHPOSPHATE 99% AR

Store at 2-8°C Disodium-β-glycerol phosphate pentahydrate

Product Code.	02415	Grade	
Purity	98.5%	CAS No.	13408-09-8
Molecular Formula	Na2C3H5(OH)2PO4.5H2O	Molecular Weight	306.11
H.S.Code	2919.90400	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
pH value	9.5	Melting point/ Freezing point [°C]	102 - 104 °C	Flash point [°C]	93.3°C
Vapour density	10.6	Solubility in water [% weight]	Soluble in water		

Packaging

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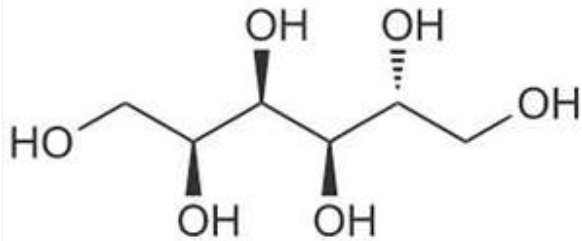
Specification

Appearance	White crystalline powder
Assay	Min 97.5%
Free alkali (Na2CO3)	Max 1%
Free phosphate (P2O5)	Max 0.5%
Arsenic (As)	Max 0.0005%
Lead (Pb)	Max 0.002%
Sodium β-glycerophosphate	Max 0.002%

SORBITOL 70% LIQUID EXTRAPURE

Confirming to Pharma specification D-Glucitol, Sorbogem; Sorbo

Product Code.	02540	Grade	Extrapure
Purity	70%	CAS No.	50-70-4
Molecular Formula	C6H14O6	Molecular Weight	182.17
H.S.Code	2905.44000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Odour	Odorless
pH value	6 - 7	Density [g/cm3]	1.28	Solubility in water [% weight]	Soluble in water

Packaging

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Specification

Appearance	A clear colorless or faintly yellow liquid
Assay (w/w)	68 - 72%
Water (H2O)	29 - 31%
pH (14% w/w)	5.0 - 7.5
Sulphated ash	Max 0.1%

Safety Information and Hazard Symbols

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STARCH MAIZE (CORN) EXTRA PURE

Product Code.	02558	Grade	Extra Pure
Purity		CAS No.	9005-25-8
Molecular Formula	(C6H10O5)n	Molecular Weight	0.00
H.S.Code	1108.12000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Density [g/cm3]	1.5
Solubility in water [% weight]	Insoluble in water				

Packaging

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Specification

Appearance	White to slightly yellowish, very fine powder
pH	4.0 - 7.0
Sulphated ash	Max 0.6%
Loss on drying (at 130°C for 90 min)	Max 15.0%

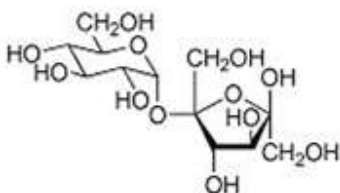
Safety Information and Hazard Symbols

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SUCROSE AR

Used in buffers for low solid concentration large pore polyacrylamide gels. This results in improved handling characteristics of the gels it is also used as thickener for sample solution to prevent in homogeneity due to convection it is useful in clarifying and layering of Samples. α -D-Glucopyranosyl β -D-fructofuranoside; β -D-Fructofuranosyl- α -D-glucopyranosid;; D(+)-Saccharose; Sugar

Product Code.	02580	Grade	
Purity		CAS No.	57-50-1
Molecular Formula	C12H22O11	Molecular Weight	342.30
H.S.Code	1701.99900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Colorless crystals	Odour	Odorless
pH value	5.5 - 7 at 342 g/l at 25 °C	Melting point/ Freezing point [°C]	185 - 187 °C	Flash point [°C]	93.3°C
Solubility in water [% weight]	342 g/l at 20 °C - completely soluble	Partition coefficient Log Pow octanol / water at 20°C	-3.7		

Packaging

Specification

Appearance	Colorless Crystals or white crystalline powder
Specific optical rotation ([α] _{25/D})	+66.3° to +66.8°
Insoluble matter	Max 0.005%
Loss on dryig (at 105°C; 6 hrs)	Max 0.05%
Titration acid	Max 0.0008 meq/g

Sulphated ash	Max 0.02%
Chloride (Cl)	Max 0.005%
Sulphate and Sulphite (as SO4)	Max 0.005%
Heavy metal (as Pb)	Max 0.0005%
Iron (Fe)	Max 0.0005%
Reducing sugars (as glucose)	Max 0.05%

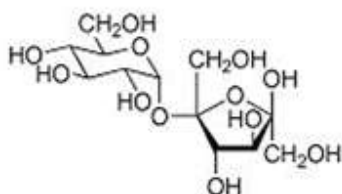
Safety Information and Hazard Symbols

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SUCROSE EXTRAPURE

(Confirms to IP) α -D-Glucopyranosyl β -D-fructofuranoside; β -D-Fructofuranosyl- α -D-glucopyranosid;; D(+)-Saccharose; Sugar

Product Code.	02579	Grade	Extrapure
Purity		CAS No.	57-50-1
Molecular Formula	C ₁₂ H ₂₂ O ₁₁	Molecular Weight	342.30
H.S.Code	1701.99900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Colorless crystals	Odour	Odorless
pH value	5.5 - 7 at 342 g/l at 25 °C	Melting point/ Freezing point [°C]	185 - 187 °C	Flash point [°C]	93.3°C
Solubility in water [% weight]	342 g/l at 20 °C - completely soluble	Partition coefficient Log Pow octanol / water at 20°C	-3.7		

Packaging

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Specification

Appearance	An almost white or colourless crystals, dry crystalline powder; odourless; taste, sweet
Identification	To comply IP test
Acidity or alkalinity	Not more than 0.6 mL of 0.01 M sodium hydroxide is required to change the colour of the solution to pink
Specific optical rotation ([α] _{25/D} ; 10% w/v in water)	+65.9° to +67.0°
Barium (Ba)	To comply IP test

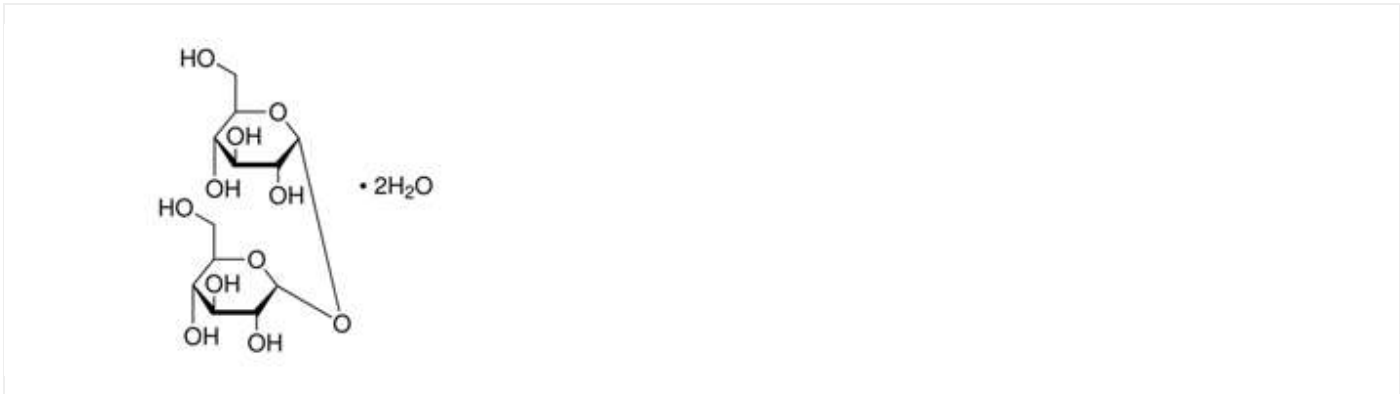
Calcium (Ca)	To comply IP test
Heavy metal (as Pb)	Max 0.001%
Sulphite	To comply IP test
Dextrins	To comply IP test
Glucose and invert sugar	To comply IP test
Colouring matter	To comply IP test
Sulphated ash	Max 0.1%

Safety Information and Hazard Symbols

TREHALOSE 99% FOR BIOCHEMISTRY

a,a-Trehalose,; a-D-Glucopyranosyl-a-D-glucopyranoside; D-(+)-Trehalose dihydrate

Product Code.	02743	Grade	For Biochemistry
Purity	99%	CAS No.	6138-23-4
Molecular Formula	C12H22O11.2H2O	Molecular Weight	378.34
H.S.Code	2940.00000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Melting point/ Freezing point [°C]	97 - 99 °C
Solubility in water [% weight]	50 g/l at (20°C)				

Packaging

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Specification

Appearance	White powder
Assay	Min 99%
Melting point (on dried substance at 130°C)	210 - 215°C
Loss on drying (at 130°C)	9 - 10%
Specific optical rotation ([?]20/D; in water)	+177° to +180°
Sulphated ash	Max 0.2%

Safety Information and Hazard Symbols

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XANTHAN GUM PURE (FOOD GRADE)

gum xanthan

Product Code.	02843	Grade	
Purity		CAS No.	11138-66-2
Molecular Formula		Molecular Weight	0.00
H.S.Code	3913.90900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Cream powder	Density [g/cm3]	1.5
Solubility in water [% weight]	Soluble in water				

Packaging

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Specification

Appearance	White or yellowish white free-flowing powder
Loss on drying	Max 15%
Odour	Feeble no desabreable
Particle size	100 - 200 mesh
Ash content	6.5 - 16%
pH (1% solution in water)	6 - 8
Nitrogen content (as N)	Max 1.5%
Pyruvic acid	2.4%
Heavy metal (as Pb)	Max 0.001%
Lead (Pb)	Max 0.0005%
Arsenic (As)	Max 0.0002%

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
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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
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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
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