

Углеводы и сахара

Технические характеристики

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Улан-Удэ (3012)59-97-51
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D(-)-Mannitol (USP, BP, Ph. Eur.) pure, pharma grade

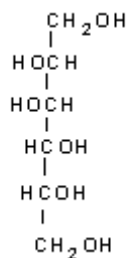
Cordycepic Acid, D-Mannite

Assay (calc. a.d.s.): 97.0 - 102.0 %

CODE	142067
CAS	69-65-8
MOLECULAR FORMULA	C ₆ H ₁₄ O ₆
MOLAR MASS	182.17 g/mol

Packs sizes (4)

	CODE	PACKAGING SIZE	
	CODE 142067.1210	PACKAGING SIZE 500 g	
	CODE 142067.1211	PACKAGING SIZE 1000 g	Product active until stock lasts.
	CODE 142067.0914	PACKAGING SIZE 5 kg	
	CODE 142067.0416	PACKAGING SIZE 25 kg	



i Technical data

MELTING POINT: 166 °C

SOLUBILITY: water 156 g/l at 18 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 142067

PRODUCT NAME: D(-)-Mannitol (USP, BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (calc. a.d.s.): 97.0 - 102.0 %
 Identity according to Pharmacopoeias:: passes test
 Melting range: 165-170°C
 Specific rotation α 20/D c=8 (in B4O7Na2.10H2O 10%): +23 - +25°

Maximum limit of impurities

Appearance of solution (Ph-Eur): passes test

Appearance of solution (USP): passes test

Alkalinity: 0.006 meq/g

Insoluble matter in H2O: 0.01 %

Loss on drying at 105°C: 0.2%

Residue on ignition (as SO4): 0.1 %

Sugars Reducing (as C6H12O6): 0.1 %

Conductivity at 25°C (c=20% w/v in H2O): 20 uS.cm-1

Related substances:

Residual solvents (Ph.Eur/USP): passes test

D (-)-Sorbitol: 2.0 %

Isomalt + Maltitol: 2.0 %

Unspecified impurities: 0.10 %

Total impurities: 2.0 %

Water (H₂O): 0.5 %

Total combined yeast and moulds (TYMC): 100
cfu/ml

Total aerobic microbial count (TAMC): 1000 cfu/g

Salmonella: absence/10g

Escherichia coli: absence/g

Ni: 0.0001 %

WGK:

nwg

STORAGE:

Room Temperature.

MASTER NAME:

D(-)-Mannitol

SYNONYMS LONG TEXT:

Cordycepic Acid, D-Mannite

EINECS:

200-711-8

CS:

2905 43 00 00

D(-)-Mannitol for analysis, ACS

Cordycepic Acid, D-Mannite

CODE 132067

CAS 69-65-8

MOLECULAR FORMULA $C_6H_{14}O_6$

MOLAR MASS 182.17 g/mol

Packs sizes (2)



CODE PACKAGING SIZE

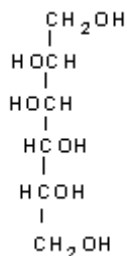
CODE 132067.1210
PACKAGING SIZE 500 g

Product active until stock lasts.



CODE 132067.1211
PACKAGING SIZE 1000 g

Product active until stock lasts.



① Technical data

MELTING POINT: 166 °C

SOLUBILITY:	water 156 g/l at 18 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	132067
PRODUCT NAME:	D(-)-Mannitol for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Identity: IR passes test Melting range: 165-168°C Specific rotation α 20/D c=10 (in B4O7Na2.10H2O 13%): +23.3 - +24.3° Maximum limit of impurities Acidity: 0.0008 meq/g Insoluble matter in H2O: 0.01 % Darkened substances by H2SO4: passes test Loss on drying at 105°C: 0.05% Residue on ignition (as SO4): 0.01 % Sugars Reducing (as C6H12O6): 0.05 % Chloride (Cl): 0.0025% Sulfate (SO4): 0.005% Heavy metals (as Pb): 0.0005% As: 0.0001 % Ca: 0.001 % Cu: 0.0005 % Fe: 0.0005 % Ni: 0.0001 % Zn: 0.0005 %
WGK:	nwg
STORAGE:	Room Temperature.
MASTER NAME:	D(-)-Mannitol
SYNONYMS LONG TEXT:	Cordycepic Acid, D-Mannite
EINECS:	200-711-8
CS:	2905 43 00 00

D(-)-Fructose (USP, BP, Ph. Eur.) pharma grade, BioChemica

D-Levulose

Assay (as C₆H₁₂O₆): 99.0-102.0%

CODE

142728

CAS

57-48-7

MOLECULAR FORMULA

C₆H₁₂O₆

MOLAR MASS

180.16 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

142728.1210

500 g



CODE

PACKAGING SIZE

142728.1214

5 kg

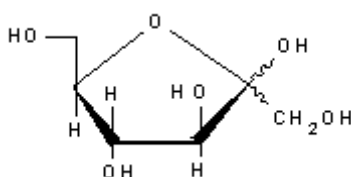


CODE

PACKAGING SIZE

142728.0416

25 kg



① Technical data

MELTING POINT: 105 °C

SOLUBILITY: water 3,750 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 142728

PRODUCT NAME: D(-)-Fructose (USP, BP, Ph. Eur.) pharma grade, BioChemica

QUALITY NAME: pharma grade, BioChemica

SPECIFICATIONS: Assay (as C₆H₁₂O₆): 99.0-102.0%
Identity according to Pharmacopoeias:: passes test
pH sol. 10 %: 4.5 - 7.0
Specific rotation α 20/D c=10 (in H₂O): -91.0 - -93.5°

Maximum limit of impurities

Appearance and colour of solution: passes test

Acidity: passes test

Loss on drying at 70°C: 0.5%

Residue on ignition (as SO₄): 0.1 %

Sugars Foreign sugars: passes test

Chloride (Cl): 0.005%

Sulfate (SO₄): 0.005%

Residual solvents (Ph.Eur/USP): passes test

Absorbance UV (1 cm cell; Ref.:Water)

ABS at 260 nm 0,1 M sol in water: 0.04

ABS at 280 nm 0,1 M sol in water: 0.05

Calcium and magnesium (as Ca): 0.005%

Hydroxymethylfurfural and related compounds:
passes test

Water (H₂O): 0.5 %

Ba: passes test

Ca: 0,002 %

Mg: 0,002 %

Pb: 0,00005 %

WGK:	nwg
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STORAGE:	Room Temperature.
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MASTER NAME:	D(-)-Fructose
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SYNONYMS LONG TEXT:	D-Levulose
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EINECS:	200-333-3
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CS:	1702 50 00 00
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D(-)-Fructose *BioChemica*

Assay (HPLC): min. 99 %

CODE

A3688

CAS

57-48-7

MOLECULAR FORMULA

C₆H₁₂O₆

MOLAR MASS

180.16 g/mol

Packs sizes (1)



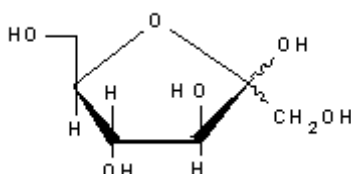
CODE

PACKAGING SIZE

CODE
A3688,1000

PACKAGING SIZE
1 kg

Product active until stock lasts.



Technical data

PHYSICAL DESCRIPTION:

Solid

PRODUCT CODE:

A3688

PRODUCT NAME:

D(-)-Fructose *BioChemica*

SPECIFICATIONS:

Assay (HPLC): min. 99 %

α 20°C/D; 10 %, H₂O: -91° - -93.5°
pH (10 %; H₂O; 20°C): 4.5 - 7.0
Heavy metals (as Pb): max. 0.0005 %
Insoluble matter: passes test
Water (K.F.): max. 0.5 %
A (1 cm/0.1 M in H₂O)
260 nm: max. 0.04
280 nm: max. 0.05

WGK:	1
STORAGE:	RT

EINECS:	200-333-3
CS:	17025000

2-Nitrophenyl- β -D-Galactopyranoside

BioChemica

Assay (HPLC): min. 99 %

CODE

A1272

CAS

369-07-3

MOLECULAR FORMULA

C₁₂H₁₅NO₈

MOLAR MASS

301.26 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

A1272,0025

25 g

① Technical data

PHYSICAL DESCRIPTION:

Solid

PRODUCT CODE:

A1272

PRODUCT NAME:

2-Nitrophenyl- β -D-Galactopyranoside *BioChemica*

SPECIFICATIONS:

Assay (HPLC): min. 99 %

α 20°C/D; 1 %, H₂O: -67° - -71°

2-Nitrophenol: max. 0.03 %

WGK:

1

STORAGE:	-20°C protected from light
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EINECS:	206-716-1
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CS:	29389090
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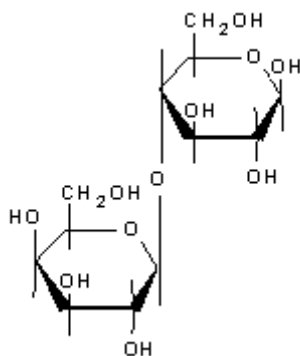
D(+)-Lactose 1-hydrate (USP-NF, BP, Ph. Eur.) pure, pharma grade

4-O-b-D-Galactopyranosyl-D-Glucose, Milk sugar

CODE	141375
CAS	10039-26-6
MOLECULAR FORMULA	C ₁₂ H ₂₂ O ₁₁ .H ₂ O
MOLAR MASS	360.32 g/mol

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 141375.1210	PACKAGING SIZE 500 g	Product active until stock lasts.
	CODE 141375.1211	PACKAGING SIZE 1000 g	
	CODE 141375.0914	PACKAGING SIZE 5 kg	



Technical data

MELTING POINT: 202 °C

SOLUBILITY: water 216 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 141375

PRODUCT NAME: D(+)-Lactose 1-hydrate (USP-NF, BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Identity according to Pharmacopoeias:: passes test
Specific rotation α 20/D c= 10 (in H₂O): +54.4 - +55.9°

Maximum limit of impurities

ABS λ 270-300 nm 1% sol. in H₂O: 0.07

ABS λ 400 nm 10% sol. in H₂O: 0.04

ABS λ 210-220 nm 1% sol. in H₂O: 0.25

Appearance of solution: passes test

Acidity or alkalinity: passes test

Insoluble matter in H₂O: passes test

Loss on drying at 80°C: 0.5%

Residue on ignition (as SO₄): 0.1 %

Chloride (Cl): 0.01%

Sulfate (SO4): 0.02%
Residual solvents (Ph.Eur/USP): passes test
Water (H2O): 4.5-5.5 %
Total aerobic microbial count (TAMC): 100 cfu/ml
Yeasts and molds: 50 cfu/g
Escherichia coli: negative
Salmonella: negative
Microbial limits:: negative
Heavy metals (as Pb): 0.0005%
Product obtained from animal milk with collection
in the same conditions that the milk obtained for
human consumption.

WGK: nwg

STORAGE: Room Temperature.

MASTER NAME: Lactose 1-hydrate

SYNONYMS LONG TEXT: 4-O-b-D-Galactopyranosyl-D-Glucose, Milk sugar

EINECS: 200-559-2

CS: 1702 19 00 00

D(+)-Glucose anhydrous (USP, BP, Ph. Eur.) pharma grade, BioChemica

Dextrose, D-Glucopyranose, Grape sugar

Assay (as C₆H₁₂O₆): 97.5 - 102.0 %

CODE 141341

CAS 50-99-7

MOLECULAR FORMULA C₆H₁₂O₆

MOLAR MASS 180.16 g/mol

Packs sizes (4)



CODE PACKAGING SIZE

CODE 141341.1210 PACKAGING SIZE 500 g

Product active until stock lasts.



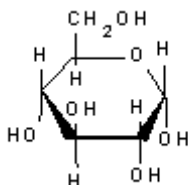
CODE 141341.1211 PACKAGING SIZE 1000 g



CODE 141341.0914 PACKAGING SIZE 5 kg



CODE 141341.0416 PACKAGING SIZE 25 kg



① Technical data

MELTING POINT: 146 °C

SOLUBILITY: water 900 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 141341

PRODUCT NAME: D(+)-Glucose anhydrous (USP, BP, Ph. Eur.)
pharma grade, BioChemica

QUALITY NAME: pharma grade, BioChemica

SPECIFICATIONS: Assay (as C₆H₁₂O₆): 97.5 - 102.0 %
Identity according to Pharmacopoeias:: passes test
pH sol. 10 %: 4.5 - 7.0
Specific rotation α_{20/D} c=10 (in H₂O): +52.6 - +53.2°

Maximum limit of impurities

ABS λ 280 nm 0.5M sol. in water: 0.05

ABS λ 260 nm 0.5M sol. in water: 0.05

Appearance and colour of solution: passes test

Acidity or alkalinity: passes test

Insoluble matter in H₂O: 0.01 %

Residue on ignition (as SO₄): 0.1 %

Chloride (Cl): 0.01 %

Sulfate (SO₄): 0.02 %

Residual solvents (Ph.Eur/USP): passes test

Soluble starch and sulfites (as SO₂): 0.0015 %

Related substances:

Fructose: 0.15 %
Maltose + Isomaltose: 0.4 %
Maltotriose: 0.2 %
Unspecified impurities: 0.10 %
Total impurities: 0.5 %
Conductivity (20 % aq. Sol. 25°C): 20 uS/cm
Dextrin: passes test
Water (H2O): 0.5 %
Heavy metals (as Pb): 0.0005 %
Ba: passes test
Ca: 0,02 %
Fe: 0,0005 %

WGK: nwg

STORAGE: Room Temperature.

MASTER NAME: D(+)-Glucose anhydrous

SYNONYMS LONG TEXT: Dextrose, D-Glucopyranose, Grape sugar

EINECS: 200-075-1

CS: 1702 30 50 10

D(+)-Glucose anhydrous for analysis, ACS

Dextrose, D-Glucopyranose, Grape sugar

CODE	131341
CAS	50-99-7
MOLECULAR FORMULA	$C_6H_{12}O_6$
MOLAR MASS	180.16 g/mol

Packs sizes (3)



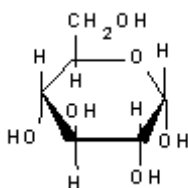
CODE	PACKAGING SIZE
CODE 131341.1210	PACKAGING SIZE 500 g



CODE	PACKAGING SIZE
CODE 131341.1211	PACKAGING SIZE 1000 g



CODE	PACKAGING SIZE
CODE 131341.0416	PACKAGING SIZE 25 kg



MELTING POINT:	146 °C
SOLUBILITY:	water 900 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131341
PRODUCT NAME:	D(+)-Glucose anhydrous for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Identity: IR passes test Specific rotation α 25/D c=10 (in H ₂ O): +52.5 - +53.0°

Maximum limit of impurities

Acidity: 0.002 meq/g
Insoluble matter in H₂O: 0.003 %
Loss on drying at 105°C: 0.2%
Residue on ignition (as SO₄): 0.01 %
Chloride (Cl): 0.0025%
Starch: passes test
Sulfate and sulfite (as SO₄): 0.0025%
As: 0.00004%
Heavy metals (as Pb): 0.0005%

Metals by ICP [in mg/Kg (ppm)]

Al: 5
B: 1
Ba: 1
Be: 1
Ca: 5
Cd: 10
Co: 1
Cr: 1
Cu: 5
Fe: 5
In: 1
K: 1
Mg: 5
Mn: 1
Mo: 1

Ni: 5
Pb: 5
Pt: 1
Sb: 1
Se: 5
Sr: 1
Ti: 1
Tl: 1
V: 1
Zn: 5
Zr: 1

WGK: nwg

STORAGE: Room Temperature.

MASTER NAME: D(+)-Glucose anhydrous

SYNONYMS LONG TEXT: Dextrose, D-Glucopyranose, Grape sugar

EINECS: 200-075-1

CS: 1702 30 50 10

D(-)-Sorbitol (Ph. Eur., USP-NF) pure, pharma grade

Assay (HPLC, dried subst.): 97.0 - 100.5 %

CODE	A2222
CAS	50-70-4
MOLECULAR FORMULA	C ₆ H ₁₄ O ₆
MOLAR MASS	182.18 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE	PACKAGING SIZE
A2222,1000	1 kg

Technical data

SOLUBILITY: 2350 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A2222

PRODUCT NAME: D(-)-Sorbitol (Ph. Eur., USP-NF) pure, pharma grade

SPECIFICATIONS: Assay (HPLC, dried subst.): 97.0 - 100.5 %
Appearance of solution: passes test
Identity: passes test
Red. sugars: max. 0.2 %

Sulfated ash: max. 0.1 %
Total aerobic microbial count (TAMC): max. 1000 CFU/g
Colony count (yeasts & moulds) (TYMC): max. 100 CFU/g
pH (10 %; H₂O): 3.5 - 7.0
Conductivity (20 %; H₂O dest.): max. 20 µS/cm
E. coli: negative
Salmonella: negative
Water (K.F.): max. 1.5 %
Ni: max. 0.0001 %
Related subst. (HPLC)
Each individual impurity: max. 2.0 %
Total impurities: max. 3.0 %

WGK:	1
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STORAGE:	RT
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EINECS:	200-061-5
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CS:	29054491
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D(-)-Sorbitol for molecular biology

Assay (HPLC, dried subst.): 97.0 - 102.0 %

CODE

A4992

CAS

50-70-4

MOLECULAR FORMULA

C₆H₁₄O₆

MOLAR MASS

182.18 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

CODE
A4992,1000

PACKAGING SIZE
1 kg



CODE
A4992,5000

PACKAGING SIZE
5 kg

Technical data

SOLUBILITY: 2350 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A4992

PRODUCT NAME: D(-)-Sorbitol for molecular biology

SPECIFICATIONS: DNases/RNases/Proteases: not detectable
Assay (HPLC, dried subst.): 97.0 - 102.0 %

α 20°C/D; 10 %, borate complex: 4.0° - 7.0°

Appearance of solution: passes test

Heavy metals (as Pb): max. 0.001 %

Sulfated ash: max. 0.1 %

Water (K.F.): max. 1.5 %

Chloride: max. 0.005 %

Sulfate: max. 0.01 %

As: max. 0.0003 %

Ni: max. 0.0001 %

Pb: max. 0.00005 %

WGK:

1

STORAGE:

RT

EINECS:

200-061-5

CS:

29054491

D(+)-Galactose (Ph. Eur.) low endotoxin pure, pharma grade

Assay (HPLC; calc. anhydr. subst.): 98.0 - 102.0 %

CODE

Z42173

CAS

59-23-4

MOLECULAR FORMULA

C₆H₁₂O₆

MOLAR MASS

180.16 g/mol

Packs sizes (1)



CODE

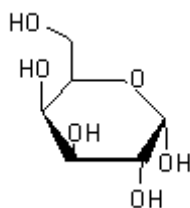
PACKAGING SIZE

CODE

Z42173.0914

PACKAGING SIZE

5 kg



Technical data

SOLUBILITY:

650 g/L (H₂O)

PHYSICAL DESCRIPTION:

Solid

PRODUCT CODE:	Z42173
PRODUCT NAME:	D(+)-Galactose (Ph. Eur.) low endotoxin pure, pharma grade
SPECIFICATIONS:	Endotoxin test: max. 10 I.U./g Assay (HPLC; calc. anhydr. subst.): 98.0 - 102.0 % Appearance of solution: passes test Identity: passes test Acidic/alkaline react. subst.: passes test Sulfated ash: max. 0.1 % Total aerobic microbial count: max. 100 CFU/g Protein: max. 0.1 mg/mL α 20°C/D; 10 %, H ₂ O: +78° - +81.5° Water (K.F.): max. 1.0 % Related subst. (HPLC) Total impurities: max. 2.0 % Each individual impurity: max. 0.3 % Sum of impurity A + B: max. 1.0 %
WGK:	1
STORAGE:	RT
EINECS:	200-416-4
CS:	29400000

D(+)-Galactose *BioChemica*

Assay (HPLC): min. 98 %

CODE

A1131

CAS

59-23-4

MOLECULAR FORMULA

C₆H₁₂O₆

MOLAR MASS

180.16 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

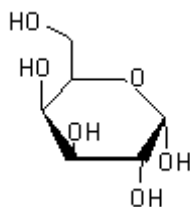
CODE
A1131,0100

PACKAGING SIZE
100 g



CODE
A1131,1000

PACKAGING SIZE
1 kg



Technical data

SOLUBILITY:

650 g/L (H₂O)

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A1131
PRODUCT NAME:	D(+)-Galactose <i>BioChemica</i>
SPECIFICATIONS:	Assay (HPLC): min. 98 % α20°C/D; 10 %, H₂O: +78° - +81.5° pH (10 %; H₂O): 4.5 - 7.0 Heavy metals (as Pb): max. 0.001 % Insoluble matter: passes test Water (K.F.): max. 0.3 % A (1 cm/0.1 M in H₂O) 260 nm: max. 0.05 280 nm: max. 0.1
WGK:	1
STORAGE:	RT
EINECS:	200-416-4
CS:	29400000

D(-)-Mannitol low endotoxin, (Ph. Eur., BP, USP, JP) pure, pharma grade

Assay (HPLC, calc. on dried subst.): 97.0 - 102.0 %

CODE

A4831

CAS

69-65-8

MOLECULAR FORMULA

C₆H₁₄O₆

MOLAR MASS

182.17 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

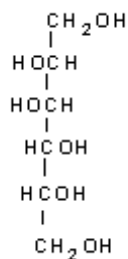
CODE
A4831,1000

PACKAGING SIZE
1 kg



CODE
A4831,5000

PACKAGING SIZE
5 kg



 Technical data

SOLUBILITY: 156 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A4831

PRODUCT NAME: D(-)-Mannitol low endotoxin, (Ph. Eur., BP, USP, JP)
pure, pharma grade

SPECIFICATIONS: Endotoxins: max. 1 I.U./g
Assay (HPLC, calc. on dried subst.): 97.0 - 102.0 %
Appearance of solution: passes test
Identity: passes test
Conductivity (20 %; H₂O; 25°C): max. 20 µS/cm
Red. sugars (as Glc): max. 0.1 %
Heavy metals (as Pb): max. 0.0005 %
Loss on drying (4 h; 105°C): max. 0.5 %
Melting point: 165 - 170°C
Salmonella: negative
E. coli: negative
Total aerobic microbial count: max. 1000 CFU/g
Colony count (yeasts & moulds): max. 100 CFU/g
Ni: max. 0.0001 %
Related subst. (HPLC)
Impurity A: max. 2.0 %
Sum of impurity B + C: max. 2.0 %
Any unspecified impurity: max. 0.10 %
Total impurities: max. 2.0 %

WGK: 1

STORAGE: RT

EINECS: 200-711-8

CS: 29054300

D(+)-Sucrose (USP-NF, BP, Ph. Eur., JP) pure, pharma grade

b-D-Fructofuranosyl-a-D-Glucopyranoside, Sucrose, Sugar

CODE	141621
CAS	57-50-1
MOLECULAR FORMULA	$C_{12}H_{22}O_{11}$
MOLAR MASS	342.30 g/mol

Packs sizes (3)



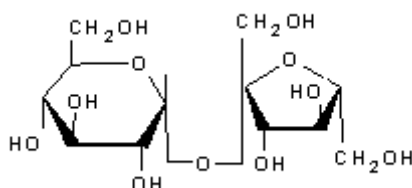
CODE	PACKAGING SIZE
CODE 141621.1211	PACKAGING SIZE 1000 g



CODE	PACKAGING SIZE
CODE 141621.1214	PACKAGING SIZE 5 kg



CODE	PACKAGING SIZE
CODE 141621.0416	PACKAGING SIZE 25 kg



Technical data

MELTING POINT: 186 °C

SOLUBILITY: water 1,970 g/l at 15 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 141621

PRODUCT NAME: D(+)-Sucrose (USP-NF, BP, Ph. Eur., JP) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Identity according to Pharmacopoeias:: passes test
Specific rotation α 25/D c=26 (in H₂O): > +65.9°
Specific rotation α 20/D c=26 (in H₂O): +66.3 - +67.0°

Maximum limit of impurities

Appearance of solution: passes test

Acidity or alkalinity: passes test

Loss on drying at 105°C: 0.1%

Residue on ignition (as SO₄): 0.02 %

Sugars Reducing: passes test

Chloride (Cl): 0.0035%

Sulfate (SO₄): 0.006%

Sulfite (SO₂): 0.0010%

Specific conductance at 20°C: 35x10⁻⁶ ohm⁻¹ cm⁻¹

Inverted sugar: passes test

Colour value: 45

Residual solvents (Ph.Eur/USP): passes test

Dextrin: passes test

Heavy metals (as Pb): 0.0005%

Ba: passes test

Ca: passes test

Fe: 0.0005 %

WGK:	nwg
STORAGE:	Room Temperature.

MASTER NAME:	Saccharose
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SYNONYMS LONG TEXT:	b-D-Fructofuranosyl-a-D-Glucopyranoside, Sucrose, Sugar
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EINECS:	200-334-9
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CS:	1701 99 90 00
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D(+)-Sucrose for analysis, ACS

b-D-Fructofuranosyl-a-D-Glucopyranoside, Sucrose, Sugar

CODE 131621

CAS 57-50-1

MOLECULAR FORMULA $C_{12}H_{22}O_{11}$

MOLAR MASS 342.30 g/mol

Packs sizes (4)



CODE PACKAGING SIZE

CODE 131621.1210
PACKAGING SIZE 500 g

Product active until stock lasts.



CODE 131621.1211
PACKAGING SIZE 1000 g

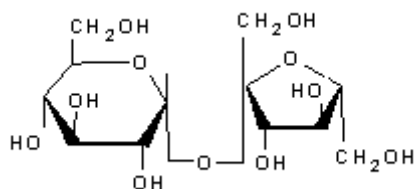


CODE 131621.0914
PACKAGING SIZE 5 kg

Product active until stock lasts.



CODE 131621.0416
PACKAGING SIZE 25 kg



① Technical data

MELTING POINT: 186 °C

SOLUBILITY: water 1,970 g/l at 15 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 131621

PRODUCT NAME: D(+)-Sucrose for analysis, ACS

QUALITY NAME: for analysis, ACS

SPECIFICATIONS: Identity: IR passes test
Specific rotation α 25/D c=26 (in H₂O): +66.3 - +66.8°

Maximum limit of impurities

Acidity: 0.0008 meq/g

Insoluble matter in H₂O: 0.005 %

Loss on drying at 105°C: 0.03%

Residue on ignition (as SO₄): 0.01 %

Chloride (Cl): 0.002%

Nitrogen compounds (as N): 0.001%

Inverted sugar: 0.05%

Sulfate and sulfite (as SO₄): 0.005%

Heavy metals (as Pb): 0.0005%

Metals by ICP [in mg/Kg (ppm)]

Al: 5

As: 0.0001 %

Au: 5

B: 5

Ba: 5
Be: 5
Bi: 5
Ca: 10
Cd: 5
Co: 5
Cr: 5
Cu: 5
Fe: 5
Ga: 5
Ge: 5
In: 5
K: 50
Mg: 20
Mn: 5
Mo: 5
Na: 50
Ni: 5
Pb: 0.5
Pt: 5
Sb: 5
Si: 10
Sn: 5
Sr: 5
Ti: 5
Tl: 5
V: 5
Zn: 5
Zr: 5

WGK:	nwg
STORAGE:	Room Temperature.

MASTER NAME:	Saccharose
SYNONYMS LONG TEXT:	b-D-Fructofuranosyl-a-D-Glucopyranoside, Sucrose, Sugar
EINECS:	200-334-9
CS:	1701 99 90 00

D(+)-Glucose anhydrous (F.C.C.) food grade

Dextrose, D-Glucopyranose, Grape sugar

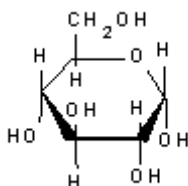
Assay (C₆H₁₂O₆), calc. on the dried basis (of reducing sugar content, glucose equivalent):
99.5-100.5%

CODE	201341
CAS	50-99-7
MOLECULAR FORMULA	C ₆ H ₁₂ O ₆
MOLAR MASS	180.16 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 201341.0416	PACKAGING SIZE 25 kg



① Technical data

MELTING POINT:	146 °C
SOLUBILITY:	water 900 g/l at 20 °C

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	201341
PRODUCT NAME:	D(+)-Glucose anhydrous (F.C.C.) food grade
QUALITY NAME:	food grade
SPECIFICATIONS:	Assay (C₆H₁₂O₆), calc. on the dried basis (of reducing sugar content, glucose equivalent): 99.5-100.5% Specific rotation α 25/D: +52.6 - +53.2° Loss on drying , not more than: 2.0% Residue on ignition , not more than: 0.1 % Chloride (Cl) , not more than: 0.018% Starch: passes test Sulphur Dioxide, not more than: 0.002% Arsenic (as As), not more than: 1 ppm Lead, not more than: 0.1 ppm Specifications F.C.C. 12 For use in foodstuffs according to F.C.C.
WGK:	nwg
STORAGE:	Room Temperature.
MASTER NAME:	D(+)-Glucose anhydrous
SYNONYMS LONG TEXT:	Dextrose, D-Glucopyranose, Grape sugar
EINECS:	200-075-1
CS:	1702 30 50 10

D(+)-Glucose 1-hydrate (USP, BP, Ph. Eur.) pure, pharma grade

Dextrose, D-Glucopyranose, Grape sugar

Assay (C₆H₁₂O₆): 97.5 - 102.0 %

CODE

143140

CAS

77938-63-7

MOLECULAR FORMULA

C₆H₁₂O₆.H₂O

MOLAR MASS

198.17 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

143140.1211

1000 g

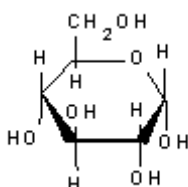


CODE

PACKAGING SIZE

143140.0416

25 kg



 Technical data

MELTING POINT: 83 °C

SOLUBILITY: water 820 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 143140

PRODUCT NAME: D(+)-Glucose 1-hydrate (USP, BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (C₆H₁₂O₆): 97.5 - 102.0 %
Identity according to Pharmacopoeias:: passes test
Specific rotation α 20/D c=10 (in H₂O): +52.5 - +53.3°

Maximum limit of impurities

Appearance and colour of solution: passes test

Insoluble matter in H₂O: 0.01 %

Residual solvents (Ph.Eur/USP): passes test

Conductivity (20 % aq. Sol. 25°C): 20 us/cm

Related substances:

Maltotriose: 0.2 %

Fructose: 0.15 %

Maltose + Isomaltose: 0.4 %

Unspecified impurities: 0.10 %

Total impurities: 0.5 %

Dextrin: passes test

Soluble starch and sulfites (as SO₂): 0.0015%

Water (H₂O): 7.5-9.5 %

Heavy metals (as Pb): 0.0005%

Ca: 0.02 %

Fe: 0.0005 %

WGK: nwg

STORAGE: Room Temperature.

MASTER NAME: D(+)-Glucose 1-hydrate

SYNONYMS LONG TEXT:	Dextrose, D-Glucopyranose, Grape sugar
EINECS:	200-075-1
CS:	1702 30 50 10

D(+)-Glucose 1-hydrate (Ph. Eur, BP, USP) IPEC grade

Dextrose, D-Glucopyranose, Grape sugar

Assay (C₆H₁₂O₆): 97.5 - 102.0 %

CODE

633140

CAS

77938-63-7

MOLECULAR FORMULA

C₆H₁₂O₆.H₂O

MOLAR MASS

198.17 g/mol

Packs sizes (1)

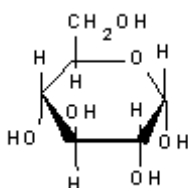


CODE

PACKAGING SIZE

CODE
633140.0439

PACKAGING SIZE
20 kg



① Technical data

MELTING POINT:

83 °C

SOLUBILITY:

water 820 g/l at 20 °C

PHYSICAL DESCRIPTION:

solid

PRODUCT CODE:	633140
PRODUCT NAME:	D(+)-Glucose 1-hydrate (Ph. Eur, BP, USP) IPEC grade
QUALITY NAME:	IPEC grade
SPECIFICATIONS:	Assay (C ₆ H ₁₂ O ₆): 97.5 - 102.0 % Identity according to Pharmacopoeias: (A USP): passes test (B Ph. Eur / USP): passes test (E Ph. Eur / USP): passes test (A Ph. Eur): passes test

Maximum limit of impurities

Appearance of solution
Appearance Clear < formazin I: passes test
Appearance Colour: < BY7
Loss on drying at 105°C: 7.5 - 9.5 %
Residual solvents (Ph.Eur/USP): passes test
Dextrin: passes test
Related substances:
Maltotriose: 0.2 %
Fructose: 0.15 %
Maltose + Isomaltose: 0.4 %
Unspecified impurities: 0.10 %
Total impurities: 0.5 %
Conductivity (20 % aq. Sol. 25°C): 20 us/cm
Soluble starch and sulfites (as SO₂): 0.0015 %
Water: 7.5 - 9.5 %

WGK:	nwg
STORAGE:	Room Temperature.

MASTER NAME:	D(+)-Glucose 1-hydrate
SYNONYMS LONG TEXT:	Dextrose, D-Glucopyranose, Grape sugar
EINECS:	200-075-1
CS:	1702 30 50 10

D(+)-Glucose 1-hydrate *BioChemica*

Assay (HPLC): min. 99 %

CODE

A1349

CAS

77938-63-7

MOLECULAR FORMULA

$C_6H_{12}O_6 \cdot H_2O$

MOLAR MASS

198.17 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE
A1349,8000

PACKAGING SIZE
8 kg



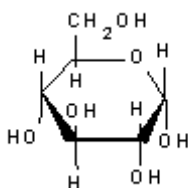
CODE
A1349,5000

PACKAGING SIZE
5 kg



CODE
A1349,9025

PACKAGING SIZE
25 kg



SOLUBILITY: 470 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1349

PRODUCT NAME: D(+)-Glucose 1-hydrate *BioChemica*

SPECIFICATIONS: Assay (HPLC): min. 99 %
 α 20°C/D; 10 %, H₂O: +52.5° - +53.3°
pH (10 %; H₂O): 5.0 - 7.0
Heavy metals (as Pb): max. 0.0005 %
Insoluble matter: passes test
Water (K.F.): 7.0 - 9.5 %
Chloride: max. 0.01 %
Sulfate: max. 0.02 %
A (1 cm/0.5 M in H₂O)
260 nm: max. 0.05
280 nm: max. 0.05

WGK: 1

STORAGE: RT

EINECS: 200-075-1

CS: 17023050

D(+)-Galactose (Ph. Eur.) pure, pharma grade

Assay (HPLC; calc. anhydr. subst.): 97.0 - 102.0 %

CODE 142173

CAS 59-23-4

MOLECULAR FORMULA $C_6H_{12}O_6$

MOLAR MASS 180.16 g/mol

Packs sizes (2)

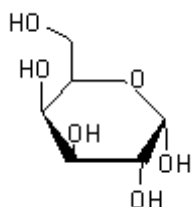


CODE PACKAGING SIZE

CODE PACKAGING SIZE
142173.1211 1 kg



CODE PACKAGING SIZE
142173.0914 5 kg



① Technical data

SOLUBILITY: 650 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: 142173

PRODUCT NAME: D(+)-Galactose (Ph. Eur.) pure, pharma grade

SPECIFICATIONS: Assay (HPLC; calc. anhydr. subst.): 97.0 - 102.0 %
Appearance of solution: passes test
Identity: passes test
Acidic/alkaline react. subst.: passes test
Sulfated ash: max. 0.1 %
Total aerobic microbial count: max. 100 CFU/g
Protein: max. 0.1 mg/mL
Water (K.F.): max. 1.0 %
Related subst. (HPLC)
Total impurities: max. 2.0 %
Each individual impurity: max. 0.3 %
Sum of impurity A + B: max. 1.0 %

WGK: 1

STORAGE: RT

EINECS: 200-416-4

CS: 29400000

D(+)-Sucrose for molecular biology

Assay (HPLC): min. 99.5 %

CODE

A2211

CAS

57-50-1

MOLECULAR FORMULA

C₁₂H₂₂O₁₁

MOLAR MASS

342.30 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

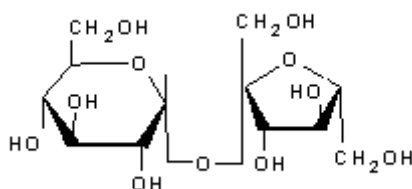
CODE
A2211,1000

PACKAGING SIZE
1 kg



CODE
A2211,5000

PACKAGING SIZE
5 kg



Technical data

SOLUBILITY:

readily soluble (H₂O)

PHYSICAL DESCRIPTION:

Solid

PRODUCT CODE:	A2211
PRODUCT NAME:	D(+)-Sucrose for molecular biology
SPECIFICATIONS:	DNases/RNases/Proteases: not detectable Assay (HPLC): min. 99.5 % α 20°C/D; 26 %, H ₂ O: +66.3° - + 67.0° Heavy metals (as Pb): max. 0.0005 % Glucose (TLC): max. 0.5 % Water (K.F.): max. 0.1 % Sulfate: max. 0.005 %

WGK:	1
STORAGE:	RT

EINECS:	200-334-9
CS:	17019990

D(+)-Raffinose 5-hydrate *BioChemica*

Assay (HPLC): min. 98.0 %

CODE

A6882

CAS

17629-30-0

MOLECULAR FORMULA

$C_{18}H_{32}O_{16} \cdot 5H_2O$

MOLAR MASS

594.53 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

A6882,0100

100 g



CODE

PACKAGING SIZE

A6882,0500

500 g

Technical data

PHYSICAL DESCRIPTION:

Solid

PRODUCT CODE:

A6882

PRODUCT NAME:

D(+)-Raffinose 5-hydrate *BioChemica*

SPECIFICATIONS:

Assay (HPLC): min. 98.0 %

$\alpha_{20^{\circ}C/D}$; 4 %, $NH_3 + H_2O$: $+104^{\circ} \pm 2^{\circ}$

Heavy metals (as Pb): max. 0.001 %

Sulfated ash: max. 0.1 %

Water (K.F.): 14.0 - 16.0 %

WGK: 1

STORAGE: RT

EINECS: 208-146-9

CS: 29400000

D(+)-Maltose 1-hydrate pure

4-(α-D-Glucosido)-D-Glucose, Malt sugar

CODE

141797

CAS

6363-53-7

MOLECULAR FORMULA

$C_{12}H_{22}O_{11} \cdot H_2O$

MOLAR MASS

360.32 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

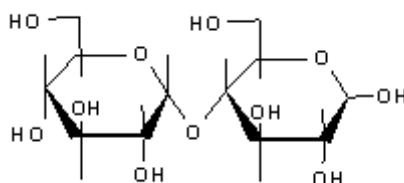
CODE

141797.0914

PACKAGING SIZE

5 kg

Product active until stock lasts.



① Technical data

MELTING POINT:

102 °C

SOLUBILITY:

water 1,080 g/l at 20 °C

PHYSICAL DESCRIPTION:

solid

PRODUCT CODE:

141797

PRODUCT NAME:	D(+)-Maltose 1-hydrate pure
QUALITY NAME:	pure
SPECIFICATIONS:	Acidity (as CH ₃ COOH): 0.01% Insoluble matter in H ₂ O: 0.01 % Residue on ignition (as SO ₄): 0.05 % Chloride (Cl): 0.005% Sulfate and sulfite (as SO ₄): 0.01% Cu: 0.001 % Fe: 0.001 % Ni: 0.001 % Pb: 0.001 %

WGK:	1
STORAGE:	Room Temperature.

MASTER NAME:	Maltose 1-hydrate
SYNONYMS LONG TEXT:	4-(α-D-Glucosido)-D-Glucose, Malt sugar
EINECS:	200-716-5
CS:	1702 90 10 90

D(+)-Maltose 1-hydrate *BioChemica*

Assay (HPLC): min. 94.5 %

CODE

A3891

CAS

6363-53-7

MOLECULAR FORMULA

C₁₂H₂₂O₁₁ · H₂O

MOLAR MASS

360.32 g/mol

Packs sizes (1)



CODE

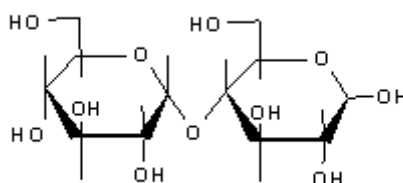
PACKAGING SIZE

CODE

PACKAGING SIZE

A3891,1000

1 kg



① Technical data

SOLUBILITY: 1080 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A3891

PRODUCT NAME:

D(+)-Maltose 1-hydrate *BioChemica*

SPECIFICATIONS:

Assay (HPLC): min. 94.5 %
 α 20°C/D; 4 %, H₂O: +135° - +139°
pH (20 %; H₂O; 25°C): 4.0 - 6.5
Heavy metals (as Pb): max. 0.0005 %
Insoluble matter: passes test
Glucose (TLC): max. 1 %
Water (K.F.): max. 6.0 %
A (1 cm/0.1 M in H₂O)
260 nm: max. 0.1
280 nm: max. 0.1

WGK:

1

STORAGE:

RT

EINECS:

200-716-5

CS:

17029010

D(+)-Glucose anhydrous *BioChemica*

Assay (HPLC): min. 99 %

CODE

A1422

CAS

50-99-7

MOLECULAR FORMULA

C₆H₁₂O₆

MOLAR MASS

180.16 g/mol

Packs sizes (2)



CODE

CODE
A1422,1000

PACKAGING SIZE

PACKAGING SIZE
1 kg

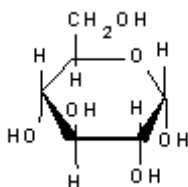
Product active until stock lasts.



CODE
A1422,5000

PACKAGING SIZE
5 kg

Product active until stock lasts.



Technical data

PHYSICAL DESCRIPTION:

Solid

PRODUCT CODE:	A1422
PRODUCT NAME:	D(+)-Glucose anhydrous <i>BioChemica</i>
SPECIFICATIONS:	Assay (HPLC): min. 99 % α 20°C/D; 10 %, H ₂ O: +52.5° - +53.3° pH (10 %; H ₂ O): 4.5 - 7.0 Heavy metals (as Pb): max. 0.0005 % Insoluble matter: passes test Water (K.F.): max. 1 % Chloride: max. 0.01 % Sulfate: max. 0.02 % A (1 cm/0.5 M in H ₂ O) 260 nm: max. 0.05 280 nm: max. 0.05

WGK:	1
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STORAGE:	RT
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EINECS:	200-075-1
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CS:	17023050
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Dextran 70 *BioChemica*

CODE	A1847
CAS	9004-54-0
MOLECULAR FORMULA	$(C_6H_{10}O_5)_n$
MOLAR MASS	~70000 g/mol

Packs sizes (2)



CODE	PACKAGING SIZE
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CODE A1847,0100	PACKAGING SIZE 100 g
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Product active until stock lasts.



CODE	PACKAGING SIZE
CODE A1847,0500	PACKAGING SIZE 500 g

Technical data

PHYSICAL DESCRIPTION:	Solid
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PRODUCT CODE:	A1847
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PRODUCT NAME:	Dextran 70 <i>BioChemica</i>
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SHORT DESCRIPTION:	additional product description: endotoxin-free
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SPECIFICATIONS:	Endotoxin test: passes test Loss on drying (0.2 g; 5 h; 105°C): max. 7.0 % Solubility (10 %; H ₂ O): clear, colorless
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IR spectrum: passes test

WGK: 2

STORAGE: RT

EINECS: 232-677-5

CS: 39139000

Dextran 40 *BioChemica*

CODE	A2249
CAS	9004-54-0
MOLECULAR FORMULA	$(C_6H_{10}O_5)_n$
MOLAR MASS	~40000 g/mol

Packs sizes (2)



CODE	PACKAGING SIZE
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CODE A2249,0100	PACKAGING SIZE 100 g
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Product active until stock lasts.



CODE A2249,0500	PACKAGING SIZE 500 g
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Technical data

PHYSICAL DESCRIPTION:	Solid
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PRODUCT CODE:	A2249
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PRODUCT NAME:	Dextran 40 <i>BioChemica</i>
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SHORT DESCRIPTION:	additional product description: endotoxin-free
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SPECIFICATIONS:	Endotoxin test: passes test
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WGK:	2
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STORAGE:

RT

EINECS:

232-677-5

CS:

39139000

D(+)-Xylose (BP, Ph. Eur.) pure, pharma grade

D-Xilopyranose, Wood Sugar

CODE	142080
CAS	58-86-6
MOLECULAR FORMULA	$C_5H_{10}O_5$
MOLAR MASS	150.13 g/mol

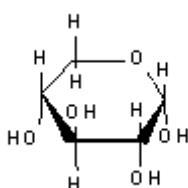
Packs sizes (1)



CODE	PACKAGING SIZE
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CODE 142080.1208	PACKAGING SIZE 100 g
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Product active until stock lasts.



① Technical data

MELTING POINT:	153 °C
SOLUBILITY:	Soluble in water.
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	142080
PRODUCT NAME:	D(+)-Xylose (BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Identity according to Pharmacopoeias:: passes test Specific rotation α 20/D c=10 (in H₂O): +18.5 - +19.5° Maximum limit of impurities Appearance of solution: passes test Acidity or alkalinity: passes test Insoluble matter in H₂O: passes test Loss on drying at 105°C: 0.5% Residue on ignition (as SO₄): 0.1 % Chloride (Cl): 0.01% Sulfate (SO₄): 0.01% Residual solvents (Ph.Eur.): passes test Heavy metals (as Pb): 0.002% Residual metals ICP: (according to EMEA/CHMP /SWP/4446/2000) Class 1A (Pt, Pd): 10 ppm Class 1B (Ir, Rh, Ru, Os): 10 ppm Class 1C (Mo, Ni, Cr, V): 25 ppm Class 2 (Cu, Mn): 250 ppm Class 3 (Fe, Zn): 1,300 ppm As: 0.0001 %
WGK:	nwg
STORAGE:	Room Temperature.
MASTER NAME:	D(+)-Xylose
SYNONYMS LONG TEXT:	D-Xilopyranose, Wood Sugar
EINECS:	200-400-7
CS:	2940 00 00 20

D(+)-Trehalose 2-hydrate *BioChemica*

Assay: min. 98 %

CODE

A1742

CAS

6138-23-4

MOLECULAR FORMULA

$C_{12}H_{22}O_{11} \cdot 2H_2O$

MOLAR MASS

378.34 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

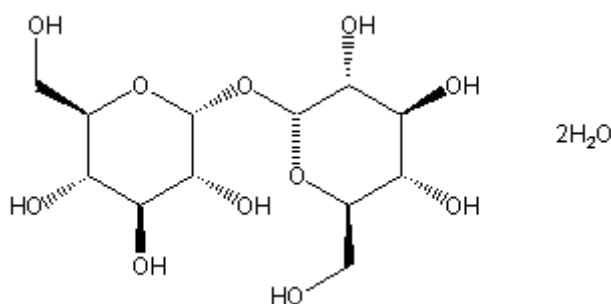
CODE
A1742,0100

PACKAGING SIZE
100 g



CODE
A1742,0250

PACKAGING SIZE
250 g



Technical data

PHYSICAL DESCRIPTION:

Solid

PRODUCT CODE: A1742

PRODUCT NAME: D(+)-Trehalose 2-hydrate *BioChemica*

SPECIFICATIONS: Assay: min. 98 %
 $\alpha_{20^{\circ}\text{C/D}}$; 7 %, H₂O: +176 - +180°
Solubility (5 %; H₂O): clear, colorless
Residue on ignition: max. 0.1 %

WGK: 1

STORAGE: RT

EINECS: 202-739-6

CS: 29400000

D(+)-Sucrose (USP-NF, BP, Ph. Eur.) low endotoxin, IPEC grade

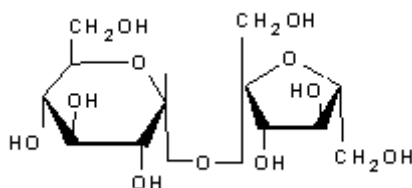
b-D-Fructofuranosyl-a-D-Glucopyranoside, Sucrose, Sugar

CODE	631621
CAS	57-50-1
MOLECULAR FORMULA	$C_{12}H_{22}O_{11}$
MOLAR MASS	342.30 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
631621.0416	25 kg



① Technical data

MELTING POINT:	186 °C
SOLUBILITY:	water 1,970 g/l at 15 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	631621
PRODUCT NAME:	D(+)-Sucrose (USP-NF, BP, Ph. Eur.) low endotoxin, IPEC grade
QUALITY NAME:	low endotoxin, IPEC grade
SPECIFICATIONS:	Identity according to Pharmacopoeias:: passes test (A Ph. Eur / USP): IR passes test (B Ph. Eur): TLC passes test (C Ph. Eur): passes test Specific rotation α 20/D c=26 in H2O: +66.3 - + 67.0° Maximum limit of impurities Appearance of solution, Clear < formazin I: passes test Loss on drying at 105°C: 0.1 % Sugars Reducing: passes test Sulfite (SO2): 0.0010 % Conductivity at 20°C: 35 uScm-1 Colour value: 45 Residual solvents (Ph.Eur/USP): passes test Dextrin: passes test Microbial Limits Bacterial endotoxins: 0.25 IU/mg Total Aerobic Microbial Count (TAMC): 200 cfu/10g Total Yeast Count (TYC): 10 cfu/10g Total Mould Count (TMC): 10 cfu/10g
WGK:	nwg
STORAGE:	Room Temperature.
MASTER NAME:	Saccharose
SYNONYMS LONG TEXT:	b-D-Fructofuranosyl-a-D-Glucopyranoside, Sucrose, Sugar
EINECS:	200-334-9
CS:	1701 99 90 00

Lactulose *BioChemica*

Assay (HPLC): min. 98 %

CODE

A0887

CAS

4618-18-2

MOLECULAR FORMULA

C₁₂H₂₂O₁₁

MOLAR MASS

342.30 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
A0887,0025

PACKAGING SIZE
25 g

① Technical data

PHYSICAL DESCRIPTION:

Solid

PRODUCT CODE:

A0887

PRODUCT NAME:

Lactulose *BioChemica*

SPECIFICATIONS:

Assay (HPLC): min. 98 %
 α 20°C/D; 1 %, H₂O: -46° - -50°
Heavy metals: max. 0.001 %
Sulfated ash: max. 0.2 %
Water (K.F.): max. 2 %

WGK:

1

STORAGE:

RT

EINECS:

225-027-7

CS:

29400000

L(+)-Rhamnose 1-hydrate *BioChemica*

Assay (HPLC): min. 99 %

CODE

A4336

CAS

10030-85-0

MOLECULAR FORMULA

$C_6H_{12}O_5 \cdot H_2O$

MOLAR MASS

182.17 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

CODE
A4336,0010

PACKAGING SIZE
10 g



CODE
A4336,0100

PACKAGING SIZE
100 g

Technical data

PHYSICAL DESCRIPTION:

Solid

PRODUCT CODE:

A4336

PRODUCT NAME:

L(+)-Rhamnose 1-hydrate *BioChemica*

HEADLINE COMMENT:

• Product color may turn to yellowish in storage!

SPECIFICATIONS:

Assay (HPLC): min. 99 %

Solubility (10 %; H₂O): clear, colorless to slightly

yellowish
Heavy metals (as Pb): max. 0.001 %
Sulfated ash: max. 0.05 %
Water (K.F.): 9.5 ± 1 %
Chloride: max. 0.005 %

WGK: 1

STORAGE: RT

EINECS: 222-793-4

CS: 29400000

Dextran Sulfate 500 Sodium Salt

BioChemica

CODE

A2250

CAS

9011-18-1

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

A2250,1000

PACKAGING SIZE

1 kg

① Technical data

PHYSICAL DESCRIPTION:

Solid

PRODUCT CODE:

A2250

PRODUCT NAME:

Dextran Sulfate 500 Sodium Salt *BioChemica*

SPECIFICATIONS:

Average *M*: approx. 500,000 g/mol
Solubility (10 %; H₂O): clear, colorless to yellow
pH (1 %; H₂O): 5.0 - 7.5
Sulfated ash: 40 - 50 %
Loss on drying: max. 10 %
Chloride: max. 0.1 %
Fe: max. 0.0002 %

WGK:

1

STORAGE:

2 - 8°C

CS:

39139000

Dextran Sulfate 40 Sodium Salt

BioChemica

CODE

A3261

CAS

9011-18-1

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
A3261,0250

PACKAGING SIZE
250 g

① Technical data

PHYSICAL DESCRIPTION:

Solid

PRODUCT CODE:

A3261

PRODUCT NAME:

Dextran Sulfate 40 Sodium Salt *BioChemica*

SPECIFICATIONS:

Average *M*: approx. 40,000 g/mol
Sulfated ash: 40 - 50 %
Loss on drying: max. 10 %
Chloride: max. 0.01 %
Fe: max. 0.1 %
Ca: max. 0.02 %
Pb: max. 0.0005 %

WGK:

1

STORAGE:

2 - 8°C

CS:

39139000

Dextran 70 (Ph. Eur.) pure, pharma grade

CODE	A8479
CAS	9004-54-0
MOLECULAR FORMULA	$(C_6H_{10}O_5)_n$
MOLAR MASS	~70000 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

A8479,5000

5 kg

Technical data

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A8479

PRODUCT NAME: Dextran 70 (Ph. Eur.) pure, pharma grade

SPECIFICATIONS:

- Appearance of solution: passes test
- Identity: passes test
- Acidic/alkaline react. subst.: passes test
- Bacterial endotoxins: max. 16 IU/g
- Total viable counts: max. 100 CFU/g
- Loss on drying (5 h; 105°C): max. 7.0 %
- Sulfated ash: max. 0.3 %
- Nitrogen-containing subst. (as N): max. 0.0110 %
- Average M: 64000 - 76000
- Molecular mass (10 % high fraction): max. 185000

Molecular mass (10 % low fraction): min. 15000
Residual solvents (GC): passes test

WGK: 2

STORAGE: RT

EINECS: 232-677-5

CS: 39139000

X-Gal for molecular biology

Assay (HPLC): min. 99 %

CODE

A4978

CAS

7240-90-6

MOLECULAR FORMULA

C₁₄H₁₅BrClNO₆

MOLAR MASS

408.63 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
A4978,0001

PACKAGING SIZE
1 g

Technical data

PHYSICAL DESCRIPTION:

Solid

PRODUCT CODE:

A4978

PRODUCT NAME:

X-Gal for molecular biology

SPECIFICATIONS:

DNases/RNases/Proteases: not detectable
Assay (HPLC): min. 99 %
 α 20°C/D; 1 %, DMF (50 %): -62° ± 2°
Water (K.F.): max. 1 %

WGK:

1

STORAGE:

-20°C

protected from light

EINECS: 230-640-8

CS: 29349990

X-Gal *BioChemica*

Assay (HPLC): min. 99 %

CODE

A1007

CAS

7240-90-6

MOLECULAR FORMULA

C₁₄H₁₅BrClNO₆

MOLAR MASS

408.63 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
A1007,0001

PACKAGING SIZE
1 g

① Technical data

PHYSICAL DESCRIPTION:

Solid

PRODUCT CODE:

A1007

PRODUCT NAME:

X-Gal *BioChemica*

SPECIFICATIONS:

Assay (HPLC): min. 99 %
 α 20°C/D; 1 %, DMF (50 %): -62° ± 2°
Water (K.F.): max. 1 %

WGK:

1

STORAGE:

-20°C
protected from light

EINECS: 230-640-8

CS: 29349990

L(+)-Sodium Lactate crystalline

BioChemica

Assay (titr.): min. 99 %

CODE

A1004

CAS

867-56-1

MOLECULAR FORMULA

C₃H₅NaO₃

MOLAR MASS

112.06 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

CODE
A1004,0100

PACKAGING SIZE
100 g



CODE
A1004,1000

PACKAGING SIZE
1 kg

Technical data

PHYSICAL DESCRIPTION:

Solid

PRODUCT CODE:

A1004

PRODUCT NAME:

L(+)-Sodium Lactate crystalline *BioChemica*

SPECIFICATIONS:

Assay (titr.): min. 99 %
 $\alpha_{20^{\circ}\text{C/D; 1 \%}, \text{H}_2\text{O}}$: -12° - -13°

Solubility (H₂O): readily soluble
Heavy metals (as Pb): max. 0.0005 %
Water (K.F.): max. 1.0 %

WGK: 1

STORAGE: 2 - 8°C

EINECS: 212-762-3

CS: 29181100

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