

## D(+)-Sucrose

D(+)-Saccharose

CAS 57-50-1

EINECS: 200-334-9

C<sub>12</sub>H<sub>22</sub>O<sub>11</sub>

M.W. 342.3 g/mol

Density: 1.29 g/cm<sup>3</sup> (20 °C)

Melting Pt: 169 to 170 °C

Storage Temperature: Ambient temperature

## D(+)-Sucrose AnalR NORMAPUR® analytical reagent

Acidity.....	Max. 0.005 meq/g	Specific optical rotation (26 %; water) 66.4 to 66.8 °
Glucose.....	Max. 0.05 %	Heavy metals (as Pb).....
Ignition residue (SO <sub>4</sub> ).....	Max. 80 ppm	Insolubility in water.....
Loss on drying (100°C).....	Max. 0.05 %	Reducing sugars (calculated as C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> ) Max. 0.1 %
Cl (Chloride).....	Max. 5 ppm	N (Nitrogen).....
SO <sub>2</sub> (as SO <sub>2</sub> ).....	Max. 15 ppm	SO <sub>4</sub> (Sulphate).....
Ba (Barium).....	Max. 0.02 %	Ca (Calcium).....
Cd (Cadmium).....	Max. 0.05 ppm	Cu (Copper).....
Fe (Iron).....	Max. 0.5 ppm	Ni (Nickel).....
Pb (Lead).....	Max. 0.5 ppm	Zn (Zinc).....

Cat. No.	Pk	Pack type
27480.260	500 g	Plastic bottle for solids
27480.294	1 kg	Plastic bottle for solids
27480.360	5 kg	Plastic bottle for solids

## D(+)-Sucrose Ph. Eur.

Appearance.....	Colourless crystals
Identification A.....	Passes test
Solution S.....	Passes test
Appearance of solution.....	Passes test
Conductivity (20°C; 31,3 %).....	Max. 35 µS/cm
Specific optical rotation (26 %; water).....	66.3 to 67.0 °
Colour value.....	Max. 45
Reducing sugars.....	Passes test
SO <sub>2</sub> (as SO <sub>2</sub> ).....	Max. 10 ppm
Loss on drying (105°C).....	Max. 0.1 %
Residual solvents.....	Passes test

Cat. No.	Pk	Pack type
27483.294	1 kg	Plastic bottle for solids
27483.363	5 kg	Plastic bottle for solids
27483.465	25 kg	Bucket (Plastic)

NOT FOR PARENTERAL USE

## D(+)-Sucrose GPR RECTAPUR®

Specific optical rotation (2 %; water).....	66 to 67 °
Heavy metals (as Pb).....	Max. 50 ppm
Ignition residue (SO <sub>4</sub> ).....	Max. 0.2 %

Cat. No.	Pk	Pack type
27478.296	1 kg	Plastic bottle for solids
27478.365	5 kg	Plastic bottle for solids
27478.467	25 kg	Bucket (Plastic)

## VWR CHEMICALS // D(+)-Sucrose, ultrapure

Common reagent in routine nucleic acid procedures and electrophoresis loading dyes.

Chloride.....	< 0.005 %
DNase.....	NONE
Glucose.....	0.1 %
Heavy metals (as Pb).....	< 0.0005 %
Identification (IR).....	PASS
Insolubles.....	0.005 %
Invert sugar.....	0.1 %
Iron.....	< 0.0005 %
Loss on drying.....	0.03 %
Protease.....	NONE
Purity.....	99.9 %
RNase.....	NONE
Solubility (10 %, Water).....	PASS
Specific Rotation.....	+66.3 to +66.8 °
Sulphate.....	< 0.005 %

Cat. No.	Pk	Pack type
0335-500G	500 g	Plastic bottle for solids
0335-1KG	1 kg	Plastic bottle for solids
0335-2.5KG	2,5 kg	Bucket (Plastic)
0335-5KG	5 kg	Bucket (Plastic)
0335-10KG	10 kg	Bucket (Plastic)
0335-12KG	12 kg	Bucket (Plastic)
0335-50KG	50 kg	Plastic drum

## VWR CHEMICALS // D(+)-Sucrose, proteomics grade

Chloride.....	< 0.005 %
DNase.....	NONE
Glucose.....	0.1 %
Heavy metals (as Pb).....	< 0.0005 %
Identification (IR).....	PASS
Insolubles.....	0.005 %
Invert sugar.....	0.1 %
Iron.....	< 0.0005 %
Loss on drying.....	0.03 %
Protease.....	NONE
Purity.....	99.9 %
RNase.....	NONE
Solubility (10 %, Water).....	PASS
Specific Rotation.....	+66.3 to +66.8 °
Sulphate.....	< 0.005 %

Cat. No.	Pk	Pack type
M117-500G	500 g	Plastic bottle for solids
M117-1KG	1 kg	Plastic bottle for solids

## D(+)-Sucrose Electran® Molecular biology grade

Identity (IR-spectrum).....	conforms
Spec. rotation (a. 20/D; 26 % Water).....	+66.3 to +67.0 °
Fe (Iron).....	Max 0.1 ppm
Pb (Lead).....	Max 0.5 ppm
DNases (Exo- and endonucleases).....	not detected
RNases.....	not detected
Proteases.....	not detected

Cat. No.	Pk	Pack type
443815S	1 kg	Plastic bottle
443816T	5 kg	Plastic bottle

## Sucrose 20%

### VWR CHEMICALS // Sucrose 20% for biotechnology, sterile

Common reagent in routine nucleic acid procedures and electrophoresis loading dyes.

Clarity.....	PASS
Sterility.....	PASS

Cat. No.	Pk	Pack type
E543-100ML	100 ml	Plastic bottle

### VWR CHEMICALS // Sucrose 20%, proteomics grade, sterile

Clarity.....	PASS
DNase.....	NONE
Protease.....	NONE
RNase.....	NONE
Sterility.....	PASS

Cat. No.	Pk	Pack type
M118-100ML	100 ml	Plastic bottle