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Product Specifications

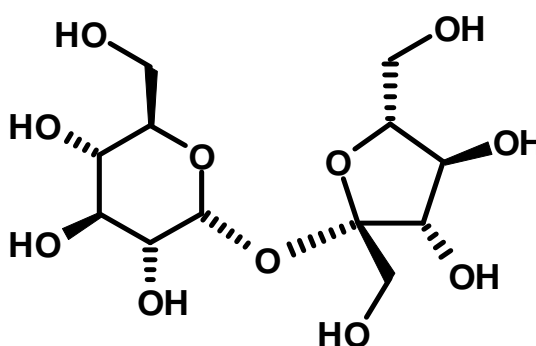
D-Sucrose (tested to USP, EP)

CAS 57-50-1

Syn: β -D-Fructofuranosyl α -D-glucopyranoside

Grades: Conforms to USP/NF 34; EP (8.6) analytical specifications

Structure:



Mol. Formula
Source

$C_{12}H_{22}O_{11}$
Beta vulgaris L.

Mol. Wt.

342.30

<i>Test</i>	<i>Specification</i>
Identity (EP<2.2.24>) (USP<197K>)	IR
Identity (EP<2.2.27>)	TLC
Identity (EP)	Orange ppt. formed
Appearance	White microcryst. solid
Solubility	EP
Appearance of solution (EP) (USP)	Clear <2.2.1>
Conductivity (EP<2.2.38>) (USP)	$\leq 35 \mu\text{Scm}^{-1}$
Color (EP) (USP)	≤ 45
Assay	$\geq 99 \%$
Sp. Rot., $[\alpha]_D$ (EP<2.2.7>) (USP<781S>)	+66.3° to +67.0°
LOD	$\leq 0.1\%$
Moisture (K.F.)	$\leq 0.1\%$

- cont'd -

- cont'd -

<i>Test</i>	<i>Specification</i>
Dextrin	EP; USP
Reducing Sugars	EP; USP
Sulfite (SO ₂)	(EP) ≤ 10 ppm
Sulfite (SO ₂)	USP
<u>Microbiological Specifications</u>	
Total Aerobic Plate Count	≤ 100 (cfu/g)
Mold and Yeast	≤ 100 (cfu/g)
Bacterial Endotoxins*	≤ 0.25 IU/mg
(EP <2.6.14>)(USP<85>)	

Storage: Maintain in cool, dry containment.

* If intended for use in the manufacture of large-volume parenteral preparations.