

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

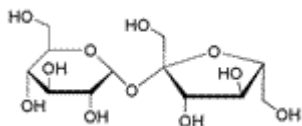
Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Product Specifications



Catalogue Number 29934

Product **Sucrose, Beet derived**
(Manufactured as per GMP)

β -D-Fructofuranosyl- α -D-glucopyranoside

CAS Number 57-50-1

Molecular Formula $C_{12}H_{22}O_{11}$

Molecular Weight 342.3

Appearance White to off-white powder

Clarity & Color Clarity : Clear solution,
Color : ≤ 10 and $\leq Y4$ (ChP)

Solubility Very soluble in water, slightly soluble in Ethanol, practically insoluble in anhydrous Ethanol.

Odor Odorless

Heavy Metals ≤ 5 ppm

Sulfur Compounds Sulfites : ≤ 10 ppm
Sulfate : ≤ 60 ppm

Cation Calcium (Ca) : $\leq 0.03\%$

Conductivity ≤ 5 mS/cm

Yeast and Mold ≤ 10 CFU/g

Optical Rotation $[\alpha]_D^{20} = +66.3$ to $+67.0^\circ$

Infrared Spectrum Conforms to structure

Reducing Sugars $\leq 0.07\%$

Loss on Drying $\leq 0.1\%$

Residual Solvents Methanol : ≤ 300 ppm
Acetone : ≤ 900 ppm

Identification Cupric tartrate : To pass test

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Impurities	Individual known Impurity : $\leq 0.2\%$ Unknown Impurities : $\leq 0.1\%$ Total impurities : $\leq 2\%$ Elemental impurities : To pass test
Bacterial Endotoxins	$\leq 0.25\%$ EU/g
E. Coli, Salmonella, S.Aureus	Negative
Microbial Count	≤ 10 cfu/g (TAMC)
Pseudomonas Aeruginosa	Negative
Residue On Ignition	$\leq 0.05\%$
Assay	98 - 102%
Grade	USP/NF, EP, JP, High Purity, Low Endotoxin
Storage	Store at RT
Additional Information	Dextrins : To pass test Taste : Sweet taste

For Laboratory Use Only