



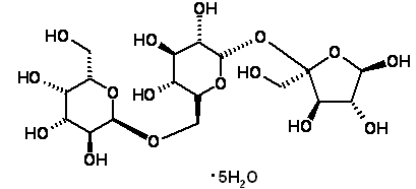
D-(+)-Raffinose Pentahydrate

Product Code: 17629300

CAS No.: 17629-30-0

Grade: non-GMP

Synonym(s): 6G- α -D-galactosylsucrose; Melitose; Melitriose; β -D-fructofuranosyl-O- α -D-galactopyranosyl-(16)- α -D-



Mol. Formula: C₁₈H₃₂O₁₆·5H₂O Mol. Wt.: 594.51

Source: Gossypium Hirsutum Lot No.:

Grouping

Analytical Test

Specification

	Identity	IR
	Appearance	White microcryst. solid
	Particle Size	100% through 30 mesh
	Mp	78 - 82 °C (USP39-NF34 <741>)
	Purity (HPLC)	98.0%
	Sp. Rot.	+103.6° to +106.2 ° (USP39-NF34 <781>)
	LOD	< 15.3% (USP39-NF34 <731>)
	Ash (residue on ignition)	0.1% (USP39-NF34 <281>)
Heavy metals		(USP39-NF34 <231>)
	-Cu	10 ppm
	-Pb	2 ppm
	-As	0.5 ppm
	-Cd	2 ppm
	-Hg	0.5 ppm
	Residual Solvents (GC)	Meets USP <467> requirements
Microbiological Specifications		
	Total Aerobic (CFU/g)	100 cfu/g (USP38-NF33 <2022>)
	E. Coli	Negative (USP38-NF33 <2022>)

D-(+)-Raffinose Pentahydrate

Grouping

Manufacturing and Regulatory Data

Analytical Test

Salmonella
Staphylococcus aureus
Mold and Yeast (CFU/g)
Endotoxins (EU/g)

Date of Manufacture
Retest Date

Specification

Negative (USP38-NF33 <2022>)
Negative (USP38-NF33 <2022>)
100 cfu/g (USP38-NF33 <2021>)
10 EU/g

2 Years