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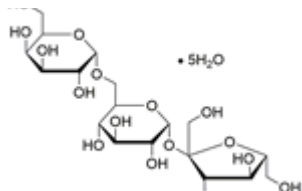
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number	38886
Product	D-(+)-Raffinose pentahydrate Melitose Melitriose
CAS Number	17629-30-0
Molecular Formula	C ₁₈ H ₃₂ O ₁₆ •5H ₂ O
Molecular Weight	594.52

Appearance	White crystalline powder
Solubility	Clear and colorless (10% in water)
Odor	Characteristic
Melting Point	78 - 82 °C
Bulk density	0.40 - 0.70 g/mL
Heavy Metals	≤ 10 µg/g
Cation	Arsenic (As) : ≤ 0.5 µg/g Cadmium (Cd) : ≤ 0.5 µg/g Lead (Pb) : ≤ 1 µg/g Mercury (Hg) : ≤ 0.5 µg/g Iron (Fe) : < 5 µg/g
Mould and Yeast	≤ 100 cfu/g
Optical Rotation	[α] _{20D} = 103 - 108 °
Loss on Drying	13 - 17%
Residual Solvents	Conforms
Solvent	Ethanol and water
Coliform Organisms	≤ 10 cfu/g
E. Coli, Salmonella, S.Aureus	Absence
Microbial Count	≤ 1000 cfu/g (TPC)
Particle Size	≥ 95% thr' 30 mesh
Residue On Ignition	≤ 0.1%
Purity by HPLC	≥ 99%

Product Specifications

Catalog Number: 38886

Grade	Suitable for cell culture
Storage	Store at RT
Additional Information	Identification : To pass test Aflatoxins : ≤ 20 ppb

For Laboratory Use Only