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Certificate of Analysis

Catalogue Number	38886
Lot Number	002300-200804
Product	D-(+)-Raffinose pentahydrate Melitose
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 solution (10% in water)
Odor	Characteristic
Melting Point	78 - 82 °C
Bulk density	0.44 g/mL
Heavy Metals	< 10 µg/g
Cation	Arsenic (As) : < 0.1 µg/g Cadmium (Cd) : < 0.01 µg/g Lead (Pb) : < 0.1 µg/g Mercury (Hg) : < 0.01 µg/g Iron (Fe) : < 0.1 µg/g
Mould and Yeast	10 cfu/g
Optical Rotation	[α] _{20D} = 103.9 °
Loss on Drying	14.21%
Residual Solvents	Complies
Solvent	Ethanol and water
Coliform Organisms	< 10 cfu/g
E. Coli, Salmonella, S.Aureus	Absence
Microbial Count	20 cfu/g (TPC)
Particle Size	> 95% thr' 30 mesh
Residue On Ignition	0.08%

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Lot Number: 002300-200804

Purity by HPLC	99.16%
Grade	Suitable for cell culture
Storage	Store at RT
Additional Information	Identification : Passes test Aflatoxins : Not detected
Remarks	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager