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Certificate of Analysis

Catalogue Number	00808
Lot Number	001902-1137-1
Product	D-(+)-Melibiose monohydrate 6- α -D-Galactopyranosyl-D-glucopyranose
CAS Number	66009-10-7
Molecular Formula	C ₁₂ H ₂₂ O ₁₁
Molecular Weight	342.3

Appearance	White powder
Solubility	Clear and colorless solution (10% in H ₂ O)
Melting Point	182.5-184.0 °C
Heavy Metals	< 1 ppm (as Pb) < 1 ppm (as Cr) < 1 ppm (as Ni)
Water Content (Karl Fisher)	4.9%
Acidity	0.1ml NaOH 0.1N (for 6g product in 100ml H ₂ O)
Yeast	< 10 CFU/g
Optical Rotation	[α] _D ²⁰ = + 136 ° (C=4 in water after 15h)
Microbial Count	< 10 CFU/g (Total viable aerobic count)
Residue On Ignition	< 0.1%
Purity by HPLC	99.9%
Storage	Store at RT

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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