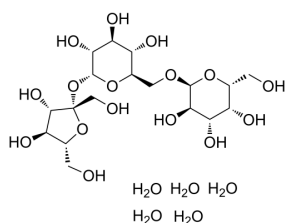


Certificate of Analysis

Product Name:	D(+)-Raffinose (pentahydrate)
Cat. No.:	CS-W020021
CAS No.:	17629-30-0
Batch No.:	60963
Chemical Name:	α -D-Glucopyranoside, β -D-fructofuranosyl O- α -D-galactopyranosyl-(1 \rightarrow 6)-, hydrate (1:5)

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	C ₁₈ H ₄₂ O ₂₁
Molecular Weight:	594.51
Storage:	Storage temp. 2-8°C
Chemical Structure:	



ANALYTICAL DATA

Appearance:	White to off-white (Solid)
¹H NMR Spectrum:	Consistent with structure
Purity (NMR):	≥98.0%
Loss on Drying:	13.76%
Residue on Ignition:	0.02%
Conclusion:	The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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