



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-255914
Lot Number: SAMPLE
Product Name: 1,2:5,6-Di-O-isopropylidene-D-mannitol
CAS Number: 1707-77-3
Molecular Formula: $C_{12}H_{22}O_6$
Molecular Weight: 262.30

Test	Result
Appearance	White crystalline powder
Identification (1H-NMR)	Consistent with structure
Identification (Infrared Spectrum)	Consistent with structure
Identification (Mass Spectrometry)	Consistent with standard
Identification (TLC)	Consistent with structure
Purity	98.6%
Melting Point	110-115 °C
Solubility	Soluble in water and $CHCl_3$. Insoluble in petroleum.
Optical Rotation	+1.2° (C = 2 in H_2O)
Loss on Drying	< 1%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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