



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-280980
Lot Number: SAMPLE
Product Name: Methyl α -D-mannopyranoside
CAS Number: 617-04-9
Molecular Formula: $C_7H_{14}O_6$
Molecular Weight: 194.2

Test	Specification	Result
Appearance	White to off-white powder	White powder
Identification (Infrared Spectrum)	Consistent with the structure	Complies
Purity (HPLC)	$\geq 99\%$	99.3%
Melting Point	187-193 °C	192 °C
Solubility	Clear, colourless liquid at 10% in H ₂ O	Complies
Specific Rotation ($\alpha_{20/D}$)	+77 - +81 °	+78.8°
Loss on Drying	$\leq 0.2\%$	0.1%
Sulfated Ash	$\leq 0.1\%$	0.1%
Water Content (KF)	$\leq 0.2\%$	0.09%

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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