



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-207810
Lot Number: SAMPLE
Product Name: L-Rhamnose monohydrate
CAS Number: 10030-85-0
Molecular Formula: $C_6H_{12}O_5 \cdot H_2O$
Molecular Weight: 182.17

Test	Specification	Result
Appearance (Color)	White to off-white powder	White
Appearance (Form)	Powder to Crystalline Powder	Powder
Purity (HPLC)	min. 98.0 Area-%	99.9 area-%
Melting Point	88 - 94 °C	89 °C
Turbidometric Analysis	Clear (max. 7.0 NTU)	Clear
Color of Solution	Colorless (10 % in water at 40 °C)	Colorless
FTIR	corresponds to reference spectrum	corresponds
Specific Rotation	7.5-8.5 (c=5 in water after 2 hours)	8.2
Water Content (KF)	9.0-11.0%	10.0%

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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