



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-221499
Lot Number: SAMPLE
Product Name: D-Mannoheptulose
CAS Number: 3615-44-9
Molecular Formula: $C_7H_{14}O_7$
Molecular Weight: 210.18

Test	Specification	Result
Appearance (Color)	White to off-white	White
Appearance (Turbidity)	≤ 4.0 NTU	1.7 NTU
Appearance (Form)	Crystalline powder	Crystalline powder
Purity (HPLC)	≥ 99.0 area-%	99.1% area-%
Melting Point	149-153°C	152°C
Color of Solution	Colorless	Colorless
Optical Rotation ($\alpha_{20/D}$)	27.0 - 31.0	29.9
Water Content (KF)	$\leq 1.0\%$	0.1%

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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