



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-280730
Lot Number: SAMPLE
Product Name: Gentiobiose
CAS Number: 554-91-6
Molecular Formula: $C_{12}H_{22}O_{11}$
Molecular Weight: 342.30

Test	Specification	Result
Appearance		White to off-white powder
Identification (TLC)	Consistent with reference	Complies
Purity (HPLC)		98.9%
Melting Point		182.5 - 185.5 °C
Optical Rotation ($\alpha_{20/D}$)		+10° (c = 2, H ₂ O, 24 h)
Loss on Drying		0.01%
Water Content (KF)		< 0.5%

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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