



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-204384
Lot Number: SAMPLE
Product Name: Voglibose
CAS Number: 83480-29-9
Molecular Formula: $C_{10}H_{21}NO_7$
Molecular Weight: 267.28

Test	Specification	Result
Appearance	White to off-white powder	Complies
Assay	≥99% (as dry basis)	99.9%
Identification (HPLC)	Conforms to structure	Complies
Identification (Infrared Spectrum)	Conforms to structure	Complies
Melting Point	163-168° C	164.7-165.6° C
Residue on Ignition	≤0.2%	0.12%
Solubility	Slightly soluble in Methanol	Complies
Specific Rotation	+45° to +48°	+45.1°
Acidity	9.4-10.4	9.8
Heavy Metals	≤10 ppm	Complies
Related Substances	Single impurity ≤0.5% Total impurities ≤1.0%	0.02% 0.05%
Water Content	≤0.5%	0.13%

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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