



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-281091
Lot Number: SAMPLE
Product Name: n-Octyl- β -D-glucopyranoside
CAS Number: 29836-26-8
Molecular Formula: $C_{14}H_{28}O_6$
Molecular Weight: 292.34

Test	Result
Appearance	White powder
Identification (1H -NMR)	Consistent with structure
Identification (Infrared Spectrum)	Consistent with structure
Identification (Mass Spectrometry)	Consistent with standard
Isomer	alpha-Isomer: 0.05%
Purity (HPLC)	99.7%
Purity (TLC)	> 99%
pH	6.6
Residue on Ignition	0.1%
Solubility	Easily soluble in water. Clear to very slightly hazy colorless to faint yellow solution
A260	< 0.3
Optical Rotation ($\alpha_{20/D}$)	-28.2° (C = 1 in MeOH) -33.2° (C = 5 in H ₂ O)
Loss on Drying	0.2%
Related Substances	n-Octanol: < 0.05%

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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