



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-221192A
Lot Number: SAMPLE
Product Name: α,β -Trehalose
CAS Number: 585-91-1
Molecular Formula: $C_{12}H_{22}O_{11}$
Molecular Weight: 342.30

Test	Specification	Result
Appearance	White crystalline powder	Complies
Identification (1H -NMR)	Consistent with structure	Complies
Purity (HPLC)	$\geq 98\%$	99%
Solubility	Colorless clear at 50 mg/ml in H_2O	Complies
Specific Rotation	95 - 100° (anhydrous, C = 1 in H_2O)	95°
Carbon Content	41.0 - 43.2% (anhydrous)	42.4%
Water Content	≤ 10	6

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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