



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-394303
Lot Number: SAMPLE
Product Name: Trehalose dihydrate, cell culture
CAS Number: 6138-23-4
Molecular Formula: $C_{12}H_{22}O_{11} \cdot 2H_2O$
Molecular Weight: 378.33
Native Source: *Saccharomyces cerevisiae*

Test	Specification	Result
Appearance	White powder	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (HPLC)	$\geq 99\%$	100%
Solution (Color)	Colorless in 50 mg/ml H_2O	Complies
Solution (Turbidity)	Clear in 50 mg/ml H_2O	Complies
Specific Rotation ($\alpha_{20/D}$)	174 - 182°	174°
Loss on Drying	$\leq 10.0\%$	6.5%
Cell Culture Test		Complies

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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