



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalogue Number	024067
Product	D(+)-Trehalose dihydrate
Lot Number	002631-1190830039 α,α -Trehalose dihydrate
CAS Number	6138-23-4
Molecular Formula	$C_{12}H_{22}O_{11} \cdot 2H_2O$
Molecular Weight	378.3

Appearance	White crystalline powder
Heavy Metals	< 5 ppm (Pb)
Water Content (Karl Fisher)	9.2%
pH	5.5
Yeast and Mold	< 100 cfu/g
Optical Rotation	$[\alpha]^{20}_D = 198^\circ$
Loss on Drying	0.13%
E. Coli	Negative
Microbial Count	< 300 cfu/g (TAC)
Salmonella	Negative
Residue On Ignition	0.01%
Purity by HPLC	99.4%
Grade	USP
Storage	Store at RT

Prepared by:

Ramesh Mandadi

Ramesh Mandadi
Director of Operations

Reviewed and approved by:

Sujata Moton

S. Moton
VP