



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalogue Number	024067
Lot Number	002631-2200611037-50
Product	D(+)-Trehalose dihydrate 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)	9.3%
pH	5.5
Yeast and Mold	< 100 cfu/g
Optical Rotation	$[\alpha]^{20}_D = 199^\circ$
Loss on Drying	0.2%
Coliform Organisms	Negative/100 g
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:
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