



# INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

Phone: (908) 359-6778 • FAX: (908) 359-1179

website: [www.indofinechemical.com](http://www.indofinechemical.com)

e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## *Certificate of Analysis*

Catalogue Number	024067
Product	D(+)-Trehalose dihydrate
Lot Number	001112-10440006 $\alpha, \alpha$ -Trehalose dihydrate $\alpha$ -D-Glucopyranosyl- $\alpha$ -D-glucopyranoside dihydrate
CAS Number	6138-23-4
Molecular Formula	$C_{12}H_{22}O_{11} \cdot 2H_2O$
Molecular Weight	378.3
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Appearance	Pale white to white powder
Solubility	Clear, colorless solution (10% in water)
Sulfur Compounds	< 0.01% (calculated on dry matter)
Water Content (Karl Fisher)	9.9%
Yeast and Mold	< 10 per gram
Optical Rotation	$[\alpha]_D^{20} = +178.8^\circ$ (C=7% in H <sub>2</sub> O)
Purity by HPLC	99.3%
Storage	Store at RT
Additional Information	Total plate count: < 10 per gram