



# INDOFINE Chemical Company, Inc.

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## *Certificate of Analysis*

<b>Catalogue Number</b>	024067
<b>Product</b>	<b>D(+)-Trehalose dihydrate</b>
<b>Lot Number</b>	001112-00766-111411 $\alpha,\alpha$ -Trehalose dihydrate $\alpha$ -D-Glucopyranosyl- $\alpha$ -D-glucopyranoside dihydrate
<b>CAS Number</b>	6138-23-4
<b>Molecular Formula</b>	$C_{12}H_{22}O_{11} \cdot 2H_2O$
<b>Molecular Weight</b>	378.3
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<b>Appearance</b>	White to off white powder
<b>Solubility</b>	Clear (10% in water)
<b>Sulfur Compounds</b>	< 0.01% (calculated on dry matter)
<b>Water Content (Karl Fisher)</b>	9.7%
<b>Yeast and Mold</b>	< 10 per gram
<b>Optical Rotation</b>	$[\alpha] = +179.3^\circ$ (C=7% in H <sub>2</sub> O)
<b>Purity by HPLC</b>	99.4%
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Total plate count: < 10 per gram