



# INDOFINE Chemical Company, Inc.

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## *Certificate of Analysis*

<b>Catalogue Number</b>	06-050
<b>Lot Number</b>	001112-10440015
<b>Product</b>	<b>D-Maltose monohydrate</b>  4-O- $\alpha$ -Glucopyranosyl-D-glucose monohydrate  4-O- $\alpha$ -D-Glucopyranosyl-D-glucopyranose monohydrate
<b>CAS Number</b>	6363-53-7
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> •H <sub>2</sub> O
<b>Molecular Weight</b>	360.32
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<b>Appearance</b>	White crystalline powder
<b>Solubility</b>	Clear colorless solution (10.0% in distilled water)
<b>Water Content (Karl Fisher)</b>	5.4%
<b>Yeast and Mold</b>	< 10 per g
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D</sub> <sup>20</sup> = +136.6° (C=2 in H <sub>2</sub> O)
<b>Related Substances</b>	Glucose: 1.6%
<b>Sulfated Ash</b>	0.01%
<b>Purity by HPLC</b>	94.1%
<b>Purity by TLC</b>	Conforms
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Aerobic Plate Count: < 10 per g
<b>Retest Date</b>	6/22/2019