

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	30787
<b>Lot Number</b>	001855-16-101
<b>Product</b>	<b>D-Maltose monohydrate</b>  4- <i>O</i> - $\alpha$ -Glucopyranosyl-D-glucose monohydrate  4- <i>O</i> - $\alpha$ -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 powder
<b>Anion</b>	Chloride (Cl): < 200 ppm Sulfate (SO <sub>4</sub> <sup>2-</sup> ): < 240 ppm
<b>Cation</b>	Lead (Pb) < 5 ppm Arsenic (As): < 1 ppm
<b>Water Content (Karl Fisher)</b>	5.85%
<b>pH</b>	6.4
<b>Optical Rotation</b>	136.3 °C (80 °C,4hrs)
<b>Residue On Ignition</b>	0.03%
<b>Sulfated Ash</b>	< 0.1%
<b>Purity by HPLC</b>	98.45%
<b>Storage</b>	Store at RT

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**Remarks**

See material safety data sheet for additional information

For laboratory use only

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**



**Bala Kumar**  
**Quality Control Manager**