

# *Chem-Impex International, Inc.*

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825 Dillon Drive

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## *Certificate of Analysis*

<b>Catalogue Number</b>	30786
<b>Product</b>	<b>D-Maltose hydrate (Low Endotoxins)</b>
<b>Lot Number</b>	002631-1030
	4-O- $\alpha$ -Glucopyranosyl-D-glucose hydrate (Low Endotoxins)
<b>CAS Number</b>	6363-53-7
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> •xH <sub>2</sub> O
<b>Molecular Weight</b>	342.32

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<b>Appearance</b>	Pale white to white powder
<b>Solubility</b>	Clear colorless solution (10% in dist. Water)
<b>Heavy Metals</b>	< 5 ppm (as Pb)
<b>Cation</b>	Arsenic (as As <sub>2</sub> O <sub>3</sub> ) : < 1 ppm
<b>Water Content (Karl Fisher)</b>	5.5%
<b>pH</b>	4.4
<b>Coliform Organisms</b>	Negative/2.22 g
<b>Microbial Count</b>	Viable cell count : < 300 pcs/g
<b>Related Substances</b>	Glucose : 0.5%
<b>Residue On Ignition</b>	< 0.01%
<b>Purity by HPLC</b>	95.8%
<b>Grade</b>	High Purity, USP, NF
<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**