

# Chem-Impex International, Inc.

---

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

---

## Certificate of Analysis

<b>Catalogue Number</b>	30147
<b>Lot Number</b>	000090-1152524
<b>Product</b>	<b>Sucrose</b>  b-D-Fructofuranosyl- $\alpha$ -D-glucoopyranoside
<b>CAS Number</b>	57-50-1
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>
<b>Molecular Weight</b>	342.3

---

<b>Appearance</b>	Fine white crystals
<b>Solubility</b>	Soluble (10% in H <sub>2</sub> O)
<b>Heavy Metals</b>	< 0.0005% (as Pb)
<b>Anion</b>	Chloride (Cl <sup>-</sup> ): < 0.0035% Sulfate (SO <sub>4</sub> <sup>2-</sup> ): < 0.005%
<b>Cation</b>	Iron (Fe): < 0.0005%
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D</sub> = +66.45 °
<b>Infrared Spectrum</b>	Conforms to structure
<b>Insoluble</b>	0.0025
<b>Loss on Drying</b>	0.02%
<b>RNase, DNase, Protease</b>	None
<b>Purity</b>	> 99.9%
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Invert sugar: < 0.0020% Glucose: < 0.1%

# *Certificate of Analysis*

Catalog Number: 30147

Lot Number: 000090-1152524

---

**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**