

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	38901
<b>Product</b>	<b>Sucrose</b> b-D-Fructofuranosyl-a-D-glucofuranoside a-D-Glucofuranosyl b-D-fructofuranoside
<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>	342.30

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<b>Appearance</b>	White to off-white powder
<b>Melting Point</b>	185 - 187 °C
<b>Optical Rotation</b>	[α] <sup>20</sup> <sub>D</sub> = 66.3 - 67.0 °
<b>Infrared Spectrum</b>	Conforms to structure
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by GC</b>	≥ 99.5%
<b>Grade</b>	Grade II, suitable for plant cell culture
<b>Storage</b>	Store at RT

**For Laboratory Use Only**