

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	42468
<b>Product</b>	<b>Sucrose</b> $\alpha$ -D-Glc-(1 $\rightarrow$ 2)- $\beta$ -D-Fru $\alpha$ -D-Glucopyranosyl $\beta$ -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>	342.3

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<b>Synonym 3</b>	$\beta$ -D-Fructofuranosyl- $\alpha$ -D-glucopyranoside
<b>Synonym 4</b>	D(+)-Saccharose
<b>Appearance</b>	White crystals
<b>Solubility</b>	Soluble in water, 50 g + 50 mL
<b>Melting Point</b>	185 - 187 °C
<b>Infrared Spectrum</b>	Conforms to structure
<b>Purity by GC</b>	$\geq$ 99.5%
<b>Grade</b>	For molecular biology
<b>Application</b>	Gas chromatography (GC): suitable
<b>Storage</b>	Store at RT

**For Laboratory Use Only**