

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

Product Specifications

Catalogue Number	42467
Product	Sucrose α -D-Glc-(1 \rightarrow 2)- β -D-Fru α -D-Glucopyranosyl β -D-fructofuranoside
CAS Number	57-50-1
Molecular Formula	C ₁₂ H ₂₂ O ₁₁
Molecular Weight	342.3
<hr/>	
Synonym 3	β -D-Fructofuranosyl- α -D-glucopyranoside
Synonym 4	D(+)-Saccharose
Appearance	White crystals
Solubility	Clear, colorless solution in water, 1 M
Melting Point	185 - 187 °C
pH	5.5 - 7.5 (20 °C, 1 M in H ₂ O)
Optical Rotation	[α] ²⁰ _D = 66.5 \pm 1° (C = 10 in H ₂ O)
Loss on Drying	\leq 0.2% (at 18 - 26 °C)
Purity by GC	\geq 99.5%
Application	Gas chromatography (GC): suitable
Storage	Store at RT

For Laboratory Use Only