

# Chem-Impex International, Inc.

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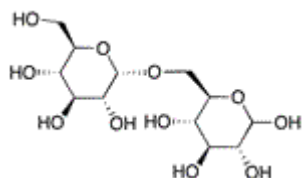
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications

|                          |   |
|--------------------------|---|
| <b>Catalogue Number</b>  | 32177   |
| <b>Product</b>           | <b>Isomaltose</b><br>6- <i>O</i> - $\alpha$ -D-Glucopyranosyl-D-glucose<br>$\alpha$ -1,6-Glucobiose |
| <b>CAS Number</b>        | 499-40-1  |
| <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>Appearance</b>             | White to off-white powder                                   |
| <b>Appearance of Solution</b> | Colorless to faint yellow solution                          |
| <b>Optical Rotation</b>       | $[\alpha]_{D}^{20} = 108$ to $118^{\circ}$ (C=0.7 in water) |
| <b>Infrared Spectrum</b>      | Conforms to structure                                       |
| <b>Purity by HPLC</b>         | $\geq 97\%$   |
| <b>Storage</b>                | Store at $\leq -10^{\circ}\text{C}$                         |

**For Laboratory Use Only**