

# *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*

<b>Catalogue Number</b>	00234
<b>Product</b>	<b>n-Octyl-<math>\beta</math>-D-glucopyranoside</b> n-Octyl glucoside
<b>CAS Number</b>	29836-26-8
<b>Molecular Formula</b>	C <sub>14</sub> H <sub>28</sub> O <sub>6</sub>
<b>Molecular Weight</b>	292.4

---

<b>Appearance</b>	White to off-white powder
<b>Solubility</b>	Easily soluble in water. Clear to very slightly hazy colorless to faint yellow solution
<b>pH</b>	5 - 8
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D</sub> <sup>20</sup> = -28 to -32 ° (C=1, MeOH) [ $\alpha$ ] <sub>D</sub> <sup>20</sup> = -30 to -35 ° (C=5, H <sub>2</sub> O)
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>UV Ratios</b>	A <sub>260 nm</sub> : $\leq$ 0.3
<b>Loss on Drying</b>	$\leq$ 0.5%
<b>Related Substances</b>	n-Octanol : $\leq$ 0.05%
<b>Residue On Ignition</b>	$\leq$ 0.5%
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	$\geq$ 98%
<b>Purity by TLC</b>	$\geq$ 99%
<b>Storage</b>	Store at 0 - 8 °C

**For Laboratory Use Only**