

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	27965
<b>Product</b>	<b>D-Allose</b>
	$\beta$ -D-Allopyranose
<b>CAS Number</b>	2595-97-3
<b>Molecular Formula</b>	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>
<b>Molecular Weight</b>	180.16

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<b>Appearance</b>	White crystals or powder
<b>Appearance of Solution</b>	Dissolve 0.5 g in 10 mL of Water and the solution should be clear.
<b>Solubility</b>	Easily soluble in water, insoluble in ether.
<b>Heavy Metals</b>	$\leq 20$ ppm
<b>Optical Rotation</b>	$[\alpha]_D = +13$ to $+16^\circ$ (C=5 in 5h in H <sub>2</sub> O)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Residue On Ignition</b>	$\leq 0.1\%$
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	$\geq 98\%$
<b>Purity by TLC</b>	One spot
<b>Storage</b>	Store at 0-8 °C

**For Laboratory Use Only**