

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	27955
<b>Lot Number</b>	001855-12-121
<b>Product</b>	<b>D-Tagatose</b> (3S,4S,5S)-2-(Hydroxymethyl)tetrahydro-2H-pyran-2,3,4,5-tetraol
<b>CAS Number</b>	87-81-0
<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 crystalline powder
<b>Solubility</b>	Clear, colorless solution (50 mg/mL aqueous)
<b>Melting Point</b>	130-131 °C
<b>Heavy Metals</b>	< 10 ppm
<b>Optical Rotation</b>	[α] <sub>D25</sub> = -6.4° (C=1, H <sub>2</sub> O)
<b>Loss on Drying</b>	0.16%
<b>Residue On Ignition</b>	0.11%
<b>Purity by HPLC</b>	99.35%
<b>Storage</b>	Store at 0-8 °C
<b>Additional Information</b>	Identification: Positive
<b>Remarks</b>	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
Quality Control Manager