

# Chem-Impex International, Inc.

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**Manufacturing site:**

825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	21817
<b>Product</b>	<b>1,2:5,6-Di-O-isopropylidene-D-mannitol</b>
<b>Lot Number</b>	001684-20170422 D-Mannitol diacetone 1,2:5,6-diacetone-D-mannitol
<b>CAS Number</b>	1707-77-3
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>22</sub> O <sub>6</sub>
<b>Molecular Weight</b>	262.3

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<b>Appearance</b>	White crystalline powder
<b>Solubility</b>	Soluble in water and CHCl <sub>3</sub> . Insoluble in petroleum.
<b>Melting Point</b>	110-120 °C
<b>Heavy Metals</b>	< 20 ppm
<b>Optical Rotation</b>	[α] <sub>D</sub> = +6.3° (C=5 in CHCl <sub>3</sub> )
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	< 0.5%
<b>Residue On Ignition</b>	0.05%
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by GC</b>	98.4%
<b>Purity by TLC</b>	One spot
<b>Storage</b>	Store at 0-8 °C

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**Remarks**

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**