

# *Chem-Impex International, Inc.*

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**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## *Certificate of Analysis*

<b>Catalogue Number</b>	21163
<b>Lot Number</b>	20100704
<b>Product</b>	<b>1,2,3,4,6-Penta-<i>O</i>-acetyl-D-glucopyranose</b>

$\alpha,\beta$ -D-(+)-Glucose pentaacetate

D-Glucose pentaacetate

<b>CAS Number</b>	3891-59-6
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<b>Molecular Formula</b>	C <sub>16</sub> H <sub>22</sub> O <sub>11</sub>
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<b>Molecular Weight</b>	390.34
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<b>Appearance</b>	White crystal powder
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<b>Solubility</b>	Soluble in CHCl <sub>3</sub> , insoluble in water
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<b>Water Content (Karl Fisher)</b>	0.2%
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<b>TLC System</b>	Conforms to structure
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<b>Infrared Spectrum</b>	Conforms to structure
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<b>Analysis by Mass Spectra</b>	Conforms to structure
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<b>Residue On Ignition</b>	0.1%
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<b><sup>1</sup>H NMR</b>	Conforms to structure
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<b>Purity by GC</b>	98.60%
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<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**

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

**Bala Kumar**  
**Quality Control Manager**