

# Chem-Impex International, Inc.

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Wood Dale, IL 60191

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**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Certificate of Analysis

<b>Catalogue Number</b>	39595
<b>Product</b>	<b>(S,S)-(+)-2,3-Butanediol</b>
<b>Lot Number</b>	002658-03-295-02
	(S,S)-(+)-2,3-Butylene glycol
	(S,S)-(+)-2,3-Dihydroxybutane
<b>CAS Number</b>	19132-06-0
<b>Molecular Formula</b>	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>
<b>Molecular Weight</b>	90.12

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<b>Appearance</b>	Colorless clear liquid
<b>Other Enantiomer</b>	0.4%
<b>Purity by GC</b>	99.6%
<b>Chiral Purity</b>	99.6% (ee)
<b>Storage</b>	Store at RT
<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**