

# Chem-Impex International, Inc.

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Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

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## Certificate of Analysis

<b>Catalogue Number</b>	01436
<b>Lot Number</b>	002036-201506160
<b>Product</b>	<b>(+)-Sodium L-ascorbate crystalline</b>

L(+)-Ascorbic acid sodium salt

<b>CAS Number</b>	134-03-2
<b>Molecular Formula</b>	C <sub>6</sub> H <sub>7</sub> O <sub>6</sub> Na
<b>Molecular Weight</b>	198.1

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<b>Appearance</b>	White crystalline powder
<b>Solubility</b>	Clear, not more intensely than BY6
<b>Heavy Metals</b>	< 0.001%
<b>Anion</b>	Sulphate : < 150 ppm
<b>Cation</b>	Copper : < 5 ppm Mercury : < 1 ppm Iron : < 2 ppm Arsenic : < 0.0003% Lead : < 0.0002% Nickel : < 1.0 ppm
<b>pH</b>	7.6
<b>Acid value</b>	Oxalic acid : < 0.3%
<b>Yeast and Mold</b>	< 100 cfu/g
<b>Optical Rotation</b>	[a] <sup>20</sup> <sub>D</sub> = 105 °
<b>Loss on Drying</b>	0.07%
<b>Residual Solvents</b>	< 3000 ppm (as Methanol)
<b>E. Coli</b>	Absence in 1g
<b>Microbial Count</b>	< 1000 cfu/g (TPC)
<b>Salmonella</b>	Absence in 25g
<b>Staphylococcus Aureus</b>	Absence in 25g

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<b>Related Substances</b>	Impurity C : < 0.15% Impurity D : < 0.15% Unspecified impurities : < 0.10% Total impurities other than C and D : < 0.2%
<b>Assay by titration</b>	99.7% (dried basis)
<b>Grade</b>	USP
<b>Storage</b>	Store at RT
<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**