

Chem-Impex International, Inc.

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

Certificate of Analysis

Catalogue Number	01218
Product	Ascorbic acid
Lot Number	002036-1190150155 Vitamin C
CAS Number	50-81-7
Molecular Formula	C ₆ H ₈ O ₆
Molecular Weight	176.1

Appearance	White or almost white crystalline powder or colorless crystals
Clarity & Color	Clear solution with the color < BY7
Solubility	Freely soluble in water, slightly soluble in ethanol, insoluble in chloroform
Melting Point	190 °C
Heavy Metals	< 10 ppm
Cation	Copper (Cu) : < 5 ppm Lead (Pb) : < 2 ppm Arsenic (As) : < 3 ppm Iron (Fe) : < 2 ppm Mercury (Hg) : < 1 ppm Cadmium (Cd) : < 1 ppm
pH	2.3 (5%, W/V) 2.4 - 2.8 (2% W/V)
Yeast and Mold	< 100 cfu/g
Optical Rotation	[α] _D ²⁰ = 21 °
Infrared Spectrum	Conforms to structure
Loss on Drying	< 0.15%
Residual Solvents	Passes test
E. Coli	Absent in 1g
Microbial Count	< 1000 cfu/g (TPC)
Salmonella	Absent in 25g
Staphylococcus Aureus	Absent in 25g

Certificate of Analysis

Catalog Number: 01218

Lot Number: 002036-1190150155

Particle Size	100% thr' 100 mesh
Related Substances	Impurity E : < 0.2% impurity C : < 0.15% Impurity D : < 0.15% Unspecified impurities : < 0.1% Total impurities other than C and D : < 0.2%
Residue On Ignition	< 0.1%
Assay by titration	99.8%
Grade	USP/FCC
Storage	Store at RT
Additional Information	Identification : Positive Reaction

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