

Chem-Impex International, Inc.

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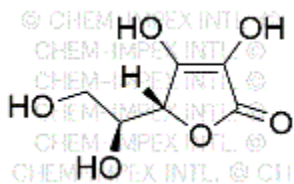
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number	49457
Product	Ascorbic acid Vitamin C L(+)-Ascorbic acid
CAS Number	50-81-7
Molecular Formula	C ₆ H ₈ O ₆
Molecular Weight	176.13

Appearance	White crystalline powder
Solubility	Clear colorless solution at 10% aq. Solution
Melting Point	190 - 192 °C
Heavy Metals	≤ 0.0005% (as Pb)
Anion	Chloride (Cl ⁻): ≤ 0.005% Sulphate (SO ₄ ²⁻): ≤ 0.002%
Cation	Iron (Fe): ≤ 0.0002%
pH	2.2 - 2.5
Optical Rotation	[α] _D ²⁰ = +20.5 to +21.5 ° (C=10 in water)
Loss on Drying	≤ 0.1%
DNase, RNase, Protease	Not detected
Sulfated Ash	≤ 0.1%
Assay by titration	Iodometric titration: ≥ 99.7%
Grade	Molecular biology grade
Storage	Store at RT

For Laboratory Use Only