

Certificate of Analysis

Date of Testing: 2023-04-25 11:32:45
Date of Next Testing: 2027-04-24 11:32:45
Product Name: **Ascorbic acid**
CAS Number: 50-81-7
Specifications & Purity: 99.99% metals basis
Lot #: D2321533
SKU #: **A103534**
Analysis: **209035**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Total Metallic Impuritie	0-100 (ppm)	20.00 ppm
Purity(Iodometric Titration)	98.5-101.5 (%)	99.80 %
Specific Rotation [a] ₂₀ /D(c=10 in H ₂ O)	20.5-21.5 (°)	20.87°
Purity(Based On Trace Metals Analysis)	99.99-100 (%)	100.00 %
Appearance (A103534)	white to off-white powder, crystals and/or chunks	white to off-white powder, crystals and/or chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless to Faint Yellow,Clear ,50 mg/ml	pass	Pass



John Su
QA & QC Manager