

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-03 17:36:53

Date of Next Testing: 2027-02-02 17:36:53

Product Name: **Ascorbic acid**

CAS Number: 50-81-7

Specifications & Purity: 99.99% metals basis

Lot #: A2331476

SKU #: **A103534****Analysis: 183288**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Total Metallic Impuritie	0-100 (ppm)	22.00 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 (°)	21.00°
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