

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2022-09-09 13:26:45
Date of Next Testing:	2026-09-08 13:26:45
Product Name:	Ascorbic acid
CAS Number:	50-81-7
Specifications & Purity:	99.99% metals basis
Lot #:	I2208270
SKU #	A103534
Analysis:	101530
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