

Certificate of Analysis

Date of Testing: 2025-02-10 17:40:32

Date of Next Testing: 2028-02-10 17:40:32

Product Name: **L-Aspartic acid**

CAS Number: 56-84-8

Specifications & Purity: UltraBio™, Ultra pure, ≥99.5%(T)

Lot #: B2507079

SKU #: **L476204**

Version: **1**

Analysis #: **231238**

Parameter	Limit Values	Result
Specific rotation $[\alpha]_{20/D}$ (c=5% in 5 M HCl)	24-28 (°)	25.52000°
Purity(perchloric acid solution Titration)	99.5-102.5 (%)	100.51000 %
Residue on Ignition	0-0.05 (%)	0.00000 %
Loss on drying(110°C)	0-0.1 (%)	0.10 %
Chloride (Cl-)	0-0.02 (%)	0.00 %
Sulfate(SO42-)	0-0.02 (%)	0.00 %
Iron(Fe)	0-0.001 (%)	0.00 %
Ammonia (NH4)	0-0.02 (%)	0.00 %
Lead(Pb)	0-10 (ppm)	0.00 ppm
foreign amino acids	0-0.3 (%)	0.00000 %
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager