

## Certificate of Analysis

Date of Testing: 2023-06-19 17:29:19  
Date of Next Testing: 2026-06-18 17:29:19  
Product Name: **L-Aspartic acid**  
CAS Number: 56-84-8  
Specifications & Purity: Ultrapure BioReagent, ≥99.5% (T)  
Lot #: F2316515  
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(SO <sub>4</sub> <sup>2-</sup> )	0-0.02 (%)	0.00 %
Iron(Fe)	0-0.001 (%)	0.00 %
Ammonia (NH <sub>4</sub> )	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