

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-09-19 15:14:22

Date of Next Testing: 2028-09-18 15:14:22

Product Name: **DL-Aspartic acid(DL-Asp)**

CAS Number: 617-45-8

Specifications & Purity: $\geq 98\%$

Lot #: I2412099

SKU #: **A108708**

Version: **1**

Analysis #: **404402**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Nonaqueous Titration)	97.5-102.5 (%)	99.41000 %
Specific Rotation $[\alpha]_{25/D}$ (c=2 in 1 M HCl)	-0.49-0.49 (°)	0.25900 °
Carbon by Elemental Analysis	35.4-36.8 (%)	36.01000 %
Purity(HPLC)	98-100 (%)	99.48400 %
Nitrogen by Elemental Analysis	10.3-10.7 (%)	10.54400 %
Appearance (A108708)	white powder	White powder
Solubility in 1 M HCl , Colorless Clear 50 mg/ml	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager