

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-22 11:01:57
 Date of Next Testing: 2026-09-21 11:01:57
 Product Name: **DL-Aspartic acid(DL-Asp)**
 CAS Number: 617-45-8
 Specifications & Purity: $\geq 98\%$
 Lot #: I2217023
 SKU #: **A108708**
 Version: **1**
 Analysis #: **083185**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{25/D}$ (c=2 in 1 M HCl)	-0.49-0.49 (°)	0.24300 °
Carbon by Elemental Analysis	35.4-36.8 (%)	36.65000 %
Purity(HPLC)	98-100 (%)	99.77700 %
Nitrogen by Elemental Analysis	10.3-10.7 (%)	10.56000 %
Purity(Nonaqueous Titration)	97.5-102.5 (%)	99.02000 %
Appearance (A108708)	white powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in 1 M HCl , Colorless Clear 50 mg/ml	pass	Pass



John Su
QA & QC Manager