

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-11 11:10:47
 Date of Next Testing: 2027-08-10 11:10:47
 Product Name: **DL-Aspartic acid(DL-Asp)**
 CAS Number: 617-45-8
 Specifications & Purity: $\geq 98\%$
 Lot #: H2308233
 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