

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-09-23 16:31:21
Date of Next Testing: 2028-09-22 16:31:21
Product Name: **DL-Aspartic acid(DL-Asp)**
CAS Number: 617-45-8
Specifications & Purity: $\geq 98\%$
Lot #: I2412092
SKU #: **A108708**
Version: **0**
Analysis #: **404402**
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Nonaqueous Titration)	97.5-102.5 (%)	99.41%
Specific Rotation $[\alpha]_{25}^D$ (c=2 in 1 M HCl)	-0.49-0.49 ($^{\circ}$)	0.26 $^{\circ}$
Carbon by Elemental Analysis	35.4-36.8 (%)	36.01%
Purity(HPLC)	98-100 (%)	99.48400%
Nitrogen by Elemental Analysis	10.3-10.7 (%)	10.54%
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