

## Certificate of Analysis

Date of Testing: 2024-08-19 14:48:37  
Date of Next Testing: 2028-08-18 14:48:37  
Product Name: **DL-Aspartic acid**  
CAS Number: 617-45-8  
Specifications & Purity: 98%  
Lot #: H2412502  
SKU #: **A108708**  
Version: **0**  
Analysis #: **083185**

Parameter	Limit Values	Result
Specific Rotation [α] <sub>25</sub> /D (c=2 in 1 M HCl)	-0.49-0.49 (°)	0.24°
Carbon by Elemental Analysis	35.4-36.8 (%)	36.65%
Purity(HPLC)	98-100 (%)	99.77700%
Nitrogen by Elemental Analysis	10.3-10.7 (%)	10.56%
Purity(Nonaqueous Titration)	97.5-102.5 (%)	99.02%
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