

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-06-18 18:57:20

Date of Next Testing: 2028-06-17 18:57:20

Product Name: **L-Asparagine Monohydrate**

CAS Number: 5794-13-8

Specifications & Purity: $\geq 99\%$

Lot #: F2415087

SKU #: **A108223**

Version: **1**

Analysis #: **333980**

Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Purity(Nonaqueous Titration)	99-100 (%)	99.19000 %
Loss on drying	11.5-12.5 (%)	12.08000 %
Heavy metal (as Pb)	0-10 (ppm)	0.00000 ppm
Transmission(c=2, H ₂ O, 430 nm)	98-100 (%)	99.50000 %
Sulfate(SO ₄ ²⁻)	0-280 (ppm)	0.00000 ppm
Chloride (Cl ⁻)	0-210 (ppm)	163.00000 ppm
Iron(Fe)	0-10 (ppm)	0.00000 ppm
(As)Arsenic	0-1 (ppm)	0.00000 ppm
Other amino acids(TLC)	0-1 (%)	0.55000 %
Specific Rotation [α] _{20/D} (c=10 in 6N HCl)	33.5-36.5 (°)	33.55700 °
Sulfate Ash	0-0.1 (%)	0.00000 %
Infrared spectrum	Conforms to Structure	Conforms to Structure
Appearance (A108223)	White to Off-White Powder	White to Off-White Powder



John Su
QA & QC Manager