

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-25 08:57:23

Date of Next Testing: 2028-12-24 08:57:23

Product Name: **L-Asparagine Monohydrate**

CAS Number: 5794-13-8

Specifications & Purity: $\geq 99\%$

Lot #: L2423457

SKU #: **A108223**

Version: **1**

Analysis #: **454299**

Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-10 (ppm)	1.40000 ppm
Transmission(c=2, H ₂ O, 430 nm)	98-100 (%)	98.50000 %
Sulfate(SO ₄ ²⁻)	0-280 (ppm)	100.00000 ppm
Chloride (Cl ⁻)	0-210 (ppm)	180.00000 ppm
Iron(Fe)	0-10 (ppm)	5.30000 ppm
Purity(Nonaqueous Titration)	99-100 (%)	99.36000 %
Loss on drying	11.5-12.5 (%)	11.95991 %
(As)Arsenic	0-1 (ppm)	0.00000 ppm
Other amino acids(TLC)	0-1 (%)	0.00000 %
Sulfate Ash	0-0.1 (%)	0.00500 %
Specific Rotation [α] _{20/D} (c=10 in 6M HCl in dried basis)	33-36.5 (°)	33.02300 °
Appearance (A108223)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager