

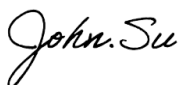
ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-05-19 14:05:07
Date of Next Testing: 2029-05-18 14:05:07
Product Name: **L-Asparagine Monohydrate**
CAS Number: 5794-13-8
Specifications & Purity: $\geq 99\%$
Lot #: J1731008
SKU #: **A108223**
Version: **1**
Analysis #: **512052**
Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-10 (ppm)	2.35800 ppm
Transmission(c=2, H ₂ O, 430 nm)	98-100 (%)	98.26200 %
Sulfate(SO ₄ ²⁻)	0-280 (ppm)	220.00000 ppm
Chloride (Cl ⁻)	0-210 (ppm)	200.00000 ppm
Iron(Fe)	0-10 (ppm)	6.30800 ppm
Purity(Nonaqueous Titration)	99-100 (%)	99.02080 %
Loss on drying	11.5-12.5 (%)	11.89600 %
(As)Arsenic	0-1 (ppm)	0.35800 ppm
Other amino acids(TLC)	0-1 (%)	0.35800 %
Sulfate Ash	0-0.1 (%)	0.01980 %
Specific Rotation [α] ₂₀ /D(c=10 in 6M HCl in dried basis)	33-36.5 (°)	34.19600 °
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