

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-10-18 15:04:06
Date of Next Testing: 2027-10-17 15:04:06
Product Name: **L-Asparagine Monohydrate**
CAS Number: 5794-13-8
Specifications & Purity: 99%
Lot #: J2316004
SKU #: **A108223**
Analysis: **287028**
Storage Temperature: Protected from light

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-10 (ppm)	4.60 ppm
Transmission(c=2, H ₂ O, 430 nm)	98-100 (%)	99.50 %
Sulfate(SO ₄ ²⁻)	0-280 (ppm)	120.00 ppm
Chloride (Cl ⁻)	0-210 (ppm)	110.00 ppm
Iron(Fe)	0-10 (ppm)	5.30 ppm
Purity(Nonaqueous Titration)	99-100 (%)	99.79 %
Loss on drying	11.5-12.5 (%)	11.92 %
(As)Arsenic	0-1 (ppm)	0.32 ppm
Other amino acids(TLC)	0-1 (%)	0.40 %
Sulfate Ash	0-0.1 (%)	0.01 %
Specific Rotation [α] ₂₀ /D(c=10 in 6N HCl)	33.5-36.5 (°)	33.52°
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