

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-01 16:37:21

Date of Next Testing: 2029-07-31 16:37:21

Product Name: **L-Asparagine Monohydrate**

CAS Number: 5794-13-8

Specifications & Purity: Animal Free, for cell culture, ≥99%

Lot #: G2529132

SKU #: **A119452**

Version: **0**

Analysis #: **544878**

Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Iron(Fe)	0-10 (ppm)	0.32500 ppm
Ignition Residue(Ash)	0-0.1 (%)	0.02580 %
Chloride	0-0.02 (%)	0.01020 %
Sulfate(SO42-)	0-0.02 (%)	0.00100 %
Ammonia (NH4)	0-0.1 (%)	0.04150 %
Purity(HPLC)	99-100 (%)	99.95700 %
Loss on drying	11.5-12.5 (%)	12.14058 %
Endotoxin Assay	0-1 (EU/mg)	0.02500 EU/mg
Heavy metal (as Pb)	0-10 (ppm)	0.41500 ppm
Specific Rotation [α] _{20/D} (c=10 in 6M HCl in dried basis)	33-36.5 (°)	33.01000 °
Appearance (A119452)	white crystalline powder	white crystalline powder
Ninhydrin-Positive Substances	Conforms	Conforms
Solubility in H2O , Colorless, Clear, 1g/50ml	pass	Pass
Cell Culture Test	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



QualityAssurance@aladdinsci.com

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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager