

Certificate of Analysis

Date of Testing: 2025-03-29 10:34:48

Date of Next Testing: 2029-03-28 10:34:48

Product Name: **L-Asparagine Monohydrate**

CAS Number: 5794-13-8

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

Lot #: C2520706

SKU #: **A119452**

Version: **0**

Analysis #: **483210**

Storage Temperature: Protected from light

Parameter	Limit Values	Result
Iron(Fe)	0-10 (ppm)	1.50 ppm
Ignition Residue(Ash)	0-0.1 (%)	0.05 %
Chloride	0-0.02 (%)	0.01 %
Sulfate(SO42-)	0-0.02 (%)	0.00 %
Ammonia (NH4)	0-0.1 (%)	0.01 %
Purity(HPLC)	99-100 (%)	99.73800 %
Endotoxin Assay	0-1 (EU/mg)	0.09 EU/mg
Heavy metal (as Pb)	0-10 (ppm)	1.30 ppm
Specific Rotation [α] ₂₀ /D(c=10 in 6M HCl in dried basis)	33-36.5 (°)	33.31 °
Loss on drying	11.5-12.5 (%)	12.43 %
Appearance (A119452)	white crystalline powder	white crystalline powder
Ninhydrin-Positive Substances	Conforms	Conforms
Solubility in H2O , Colorless,Clear,1g/50ml	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Cell Culture Test	pass	Pass



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su
QA & QC Manager