

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2026-03-26 11:55:33
Date of Next Testing:	2029-03-25 11:55:33
Product Name:	L-Asparagine
CAS Number:	70-47-3
Specifications & Purity:	Moligand™, BioReagent, for cell culture, for insect cell culture
Lot #:	C2623167
SKU #	L478521
Version	1
Analysis #:	496602
Storage Temperature:	Room temperature, Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-2 (%)	0.03190 %
Purity(HPLC area)	98-100 (%)	99.63300 %
Specific rotation $[\alpha]_{20/D}(C=13.2 \text{ in } 1 \text{ N HCl})$	27-31 (°)	27.18900°
Appearance(L478521)	White to Almost white powder to crystal	White to Almost white powder to crystal
Solubility in 1 N HCl, Colorless Clear 100 mg/ml	Pass	Pass
Cell Culture Test	pass	Pass
Insect Cell Test	Pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager