

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-05-06 10:29:15
 Date of Next Testing: 2028-05-05 10:29:15
 Product Name: **L-Asparagine**
 CAS Number: 70-47-3
 Specifications & Purity: Moligand™, BioReagent, for cell culture, for insect cell culture
 Lot #: D2529171
 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