

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2025-05-06 10:24:46
Date of Next Testing:	2028-05-05 10:24:46
Product Name:	<b>L-Asparagine</b>
CAS Number:	70-47-3
Specifications & Purity:	Moligand™, BioReagent, for cell culture, for insect cell culture
Lot #:	D2526018
SKU #	<b>L478521</b>
Version	<b>1</b>
<b>Analysis #:</b>	<b>496602</b>
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