

## Certificate of Analysis

Date of Testing: 2024-07-19 10:43:40  
Date of Next Testing: 2028-07-18 10:43:40  
Product Name: **L-Asparagine**  
CAS Number: 70-47-3  
Specifications & Purity: 98%  
Lot #: G2411229  
SKU #: **A105949**  
Version: **2**  
Analysis #: **356256**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-1 (%)	0.24%
Purity(HPLC)	98-100 (%)	99.35400%
Specific Rotation [a] <sub>20</sub> /D(c=10 in 6N HCl)	33-36.5 (°)	33.10°
Appearance (A105949)	white powder or chunk or solid	white powder or chunk or solid
Solubility in 1 N HCl , Colorless,Clear,100 mg/ml	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager