

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-06-30 14:47:09  
 Date of Next Testing: 2026-06-29 14:47:09  
 Product Name: **DL-Asparagine monohydrate**  
 CAS Number: 3130-87-8  
 Specifications & Purity:  $\geq 99\%$ (T)  
 Lot #: F2225002  
 SKU #: **A108224**  
 Version: **0**  
 Analysis #: **085729**  
 Storage Temperature: Room temperature, Desiccated

| Parameter                                               | Limit Values             | Result                   |
|---------------------------------------------------------|--------------------------|--------------------------|
| Transmission                                            | 0-90 (%)                 | 85.00000 %               |
| Purity(HPLC)                                            | 98-100 (%)               | 99.67300 %               |
| Loss on drying                                          | 10.5-13.5 (%)            | 10.50200 %               |
| Purity(Nonaqueous Titration)(calcd. on dried substance) | 99-101 (%)               | 99.01000 %               |
| Appearance (A108224)                                    | White Powder or Crystals | White Powder or Crystals |
| Proton NMR spectrum                                     | Conforms to Structure    | Conforms to Structure    |



John Su  
QA & QC Manager