

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-07-26 14:39:30  
 Date of Next Testing: 2029-07-25 14:39:30  
 Product Name: **L-Threonine**  
 CAS Number: 72-19-5  
 Specifications & Purity: Moligand™, ≥99%  
 Lot #: G2515486  
 SKU #: **T108221**  
 Version: **1**  
 Analysis #: **533898**  
 Storage Temperature: Room temperature, Desiccated, Cool

| Parameter                                                       | Limit Values                                     | Result                                           |
|-----------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| Ignition Residue                                                | 0-0.1 (%)                                        | 0.00000 %                                        |
| Purity(HPLC)                                                    | 99-100 (%)                                       | 100.00000 %                                      |
| Specific Rotation [α] <sub>20/D</sub> (c=6 in H <sub>2</sub> O) | -29--27.5 (°)                                    | -28.51600 °                                      |
| Loss on drying                                                  | 0-0.2 (%)                                        | 0.05719 %                                        |
| Appearance (T108221)                                            | White to off-white powder, needles and/or Chunks | White to off-white powder, needles and/or Chunks |
| Solubility, Colorless and clear (5% in H <sub>2</sub> O)        | pass                                             | Pass                                             |
| Infrared spectrum                                               | Conforms to Structure                            | Conforms to Structure                            |



John Su  
QA & QC Manager