

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-09-19 14:04:35

Date of Next Testing: 2026-09-19 14:04:35

Product Name: **D-Threoninol**

CAS Number: 44520-55-0

Specifications & Purity:  $\geq 97\%$

Lot #: L2214296

SKU #: **S134976**

Version: **0**

Analysis #: **412699**

Storage Temperature: Room temperature

| Parameter                                                                | Limit Values                                                 | Result                                                       |
|--------------------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|
| Purity(GC)                                                               | 97-100 (%)                                                   | 97.01000 %                                                   |
| Water by Karl Fischer                                                    | 0-3 (%)                                                      | 2.01310 %                                                    |
| Specific Rotation<br>[ $\alpha$ ] <sub>20/D</sub> (c=1 H <sub>2</sub> O) | 4-5 (°)                                                      | 4.00800 °                                                    |
| Appearance (S134976)                                                     | white to off-white to yellow<br>powder,granules,chunks,soild | white to off-white to yellow<br>powder,granules,chunks,soild |
| Proton NMR spectrum                                                      | Conforms to Structure                                        | Conforms to Structure                                        |



John Su  
QA & QC Manager