

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-03-17 14:53:32

Date of Next Testing: 2027-03-17 14:53:32

Product Name: **D-Threoninol**

CAS Number: 44520-55-0

Specifications & Purity:  $\geq 97\%$

Lot #: L2214391

SKU #: **S134976**

Version: **0**

Analysis #: **483332**

Storage Temperature: Room temperature

| Parameter                                           | Limit Values                                              | Result                                                    |
|-----------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|
| Purity(GC)                                          | 97-100 (%)                                                | 97.00000 %                                                |
| Water by Karl Fischer                               | 0-3 (%)                                                   | 2.01300 %                                                 |
| Specific Rotation                                   | 4-5 ( $^{\circ}$ )                                        | 4.00000 $^{\circ}$                                        |
| [ $\alpha$ ] <sub>20/D</sub> (c=1 H <sub>2</sub> O) |                                                           |                                                           |
| Appearance (S134976)                                | white to off-white to yellow powder,granules,chunks,soild | white to off-white to yellow powder,granules,chunks,soild |
| Proton NMR spectrum                                 | Conforms to Structure                                     | Conforms to Structure                                     |



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QA & QC Manager