

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-10-15 13:58:14  
Date of Next Testing: 2028-10-14 13:58:14  
Product Name: **(R)-(+)-Limonene**  
CAS Number: 5989-27-5  
Specifications & Purity:  $\geq 95\%$   
Lot #: J2513702  
SKU #: **R463296**  
Version: **3**  
Analysis #: **584741**  
Storage Temperature: Protected from light, Room temperature, Argon charged

| Parameter  | Limit Values           | Result                |
|--|------------------------|-----------------------|
| Purity(GC)   | 95-100 (%)             | 96.01600 %            |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in MeOH})$ | 102-110 ( $^{\circ}$ ) | 104.55300 $^{\circ}$  |
| Appearance(R463296)                                      | Colorless Liquid       | Colorless liquid      |
| Infrared spectrum  | Conforms to structure  | Conforms to Structure |



John Su  
QA & QC Manager