

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-12-12 19:10:44  
Date of Next Testing: 2027-12-02 19:10:44  
Product Name: **(R)-(+)-Limonene**  
CAS Number: 5989-27-5  
Specifications & Purity:  $\geq 95\%$ , contains 0.03 % alpha-tocopherol as stabilizer  
Lot #: L2509131  
SKU #: **L106923**  
Version: **0**  
Analysis #: **549769**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(GC)	95-100 (%)	96.79 %
Density (20°C)	0.841-0.845	0.84
Refractive index n <sub>20</sub> /D	1.47-1.473	1.47
Specific Rotation [α] <sub>20</sub> /D(c=1 in MeOH)	102-110 (°)	103.98 °
Appearance (L106923)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Stabilizer (0.03% tocopherol)	Conforms	Conforms



John Su  
QA & QC Manager