

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-05-21 16:53:19

Date of Next Testing: 2028-05-20 16:53:19

Product Name: **cis-(-)-Limonene oxide**

CAS Number: 32543-51-4

Specifications & Purity: $\geq 90\%$

Lot #: E2515258

SKU #: **C487025**

Version: **1**

Analysis #: **493939**

Parameter	Limit Values	Result
Purity(GC)	90-100 (%)	98.00 %
Specific rotation $[\alpha]_{20/D}(\text{neat})$	-50~-38 (°)	-42.00000 °
NMR Spectrum 1H	Conforms to structure	Conforms to Structure
Appearance(C487025)	Colorless to Light Yellow Liquid	Colorless to light yellow liquid

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager