

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-06 14:18:57

Date of Next Testing: 2027-06-05 14:18:57

Product Name: **(1R)-(+)- α -Pinene**

CAS Number: 7785-70-8

Specifications & Purity: $\geq 98\%$

Lot #: E2327086

SKU #: **P397755**

Version: **2**

Analysis #: **223032**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.72400 %
Refractive index n _{20/D}	1.4635-1.468	1.46590
specific rotation [α] _{20/D} (c=Neat)	41.5-46.5 (°)	44.03000 °
Appearance(P397755)	clear colorless to yellow liquid	Clear colorless to yellow Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager