

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-12-03 14:35:08

Date of Next Testing: 2026-12-02 14:35:08

Product Name: **(1R)-(+)- α -Pinene**

CAS Number: 7785-70-8

Specifications & Purity: $\geq 98\%$

Lot #: K22301058

SKU #: **P397755**

Version: **2**

Analysis #: **119915**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	99.21200 %
Refractive index n ₂₀ /D	1.4635-1.468	1.46570
specific rotation [α] ₂₀ /D(c=Neat)	41.5-46.5 (°)	42.62000 °
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