

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-03-02 15:45:21

Date of Next Testing: 2024-02-20 15:45:21

Product Name: **(-)- α -Pinene**

CAS Number: 7785-26-4

Specifications & Purity: $\geq 98\%$

Lot #: B2226036

SKU #: **P110877**

Version **0**

Analysis #: **063393**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.464-1.468	1.46580
Specific Rotation [a] ₂₀ /D(c=Neat)	-52--39 (°)	-44.05460 °
Density (20°C)	0.858-0.862	0.85900
Purity(GC)	98-100 (%)	98.29800 %
Appearance (P110877)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager