

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-06-06 14:16:25

Date of Next Testing: 2026-05-27 14:16:25

Product Name: (-)- α -Pinene

CAS Number: 7785-26-4

Specifications & Purity: $\geq 97\%$

Lot #: E2428399

SKU # P683883

Version 1

Analysis #: 365395

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Density (20°C)	0.858-0.862	0.86000
Purity(GC)	97-100 (%)	97.10600 %
Specific Rotation $[\alpha]_{20/D}(c=\text{Neat})$	-52~-39 (°)	-39.01000 °
Refractive index $n_{20/D}$	1.464-1.468	1.46730
Infrared spectrum	Conforms to Structure	Conforms to Structure
Appearance(P683883)	Colorless Liquid	Colorless liquid

John Su
QA & QC Manager