

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-05 16:12:29

Date of Next Testing: 2027-08-26 16:12:29

Product Name: (-)- α -Pinene

CAS Number: 7785-26-4

Specifications & Purity: analytical standard, $\geq 99\%$

Lot #: L2313367

SKU #: P110875

Version: 0

Analysis #: 568009

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.00000 %
Specific Rotation $[\alpha]_{20/D}(c=Neat)$	-52--39 (°)	-49.86000 °
Refractive index $n_{20/D}$	1.464-1.468	1.46480
Appearance (P110875)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager