

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-12-18 15:42:12

Date of Next Testing: 2025-12-07 15:42:12

Product Name: (-)- α -Pinene

CAS Number: 7785-26-4

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

Lot #: L2313366

SKU #: P110875

Version: 0

Analysis #: 305788

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

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.00000 %
Specific Rotation [a] ₂₀ /D(c=Neat)	-52--39 (°)	-50.00000 °
Refractive index n ₂₀ /D	1.464-1.468	1.46500
Appearance (P110875)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager