

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-06-17 15:48:18

Date of Next Testing: 2027-06-07 15:48:18

Product Name: **β-Pinene**

CAS Number: 18172-67-3

Specifications & Purity: ≥98%

Lot #: K2116448

SKU #: **P108922**Version: **0**Analysis #: **513907**

Parameter	Limit Values	Result
Purity(sum of enantiomers)(GC)	98-100 (%)	99.44 %
Refractive index n ₂₀ /D	1.475-1.48	1.48
Density (20°C)	0.868-0.874	0.87
Specific Rotation [α] ₂₀ /D(c=Neat)	-23--19 (°)	-19.99 °
Appearance (P108922)	Liquid	Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".John Su
QA & QC Manager