

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-09 10:26:43

Date of Next Testing: 2025-07-29 10:26:43

Product Name: **β-Pinene**

CAS Number: 18172-67-3

Specifications & Purity: 98%

Lot #: K2116449

SKU # **P108922****Analysis: 261885**

Parameter	Limit Values	Result
Purity(sum of enantiomers)(GC)	98-100 (%)	98.83%
Specific Rotation [α] _{20/D} (c=Neat)	-23--19 (°)	-20.25 °
Refractive index n _{20/D}	1.475-1.48	1.48
Density (20°C)	0.868-0.874	0.87
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