

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-29 16:06:59

Date of Next Testing: 2025-08-18 16:06:59

Product Name: **β -Pinene**

CAS Number: 18172-67-3

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

Lot #: C1821088

SKU #: **P108923**

Version: **0**

Analysis #: **259900**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(sum of enantiomers)(GC)	99-100 (%)	99.11000 %
Density (20°C)	0.868-0.874	0.87100
Refractive index n ₂₀ /D	1.475-1.48	1.47910
Specific Rotation [α] ₂₀ /D(c=Neat)	-23--19 (°)	-19.84000 °
Appearance (P108923)	Liquid	Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager