

Certificate of Analysis

Date of Testing: 2025-05-19 09:06:02

Date of Next Testing: 2027-05-09 09:06:02

Product Name: **β -Pinene**

CAS Number: 18172-67-3

Specifications & Purity: $\geq 98\%$

Lot #: E2513068

SKU #: **P108922**

Version: **0**

Analysis #: **151743**

Parameter	Limit Values	Result
Purity(sum of enantiomers)(GC)	98-100 (%)	99.33 %
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 (°)	-19.57 °
Appearance (P108922)	Liquid	Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager