

Certificate of Analysis

Date of Testing: 2024-10-21 16:23:37

Date of Next Testing: 2028-10-20 16:23:37

Product Name: **D(+)-Camphor**

CAS Number: 464-49-3

Specifications & Purity: $\geq 96\%$

Lot #: J2415365

SKU #: **C106734**

Version: **0**

Analysis #: **377944**

Parameter	Limit Values	Result
Purity(GC)	96-100 (%)	99.65 %
Specific Rotation $[\alpha]_{20/D(c=20 \text{ in EtOH})}$	41-46 ($^{\circ}$)	41.20 $^{\circ}$
Melting point	177-182 ($^{\circ}\text{C}$)	178.20000 $^{\circ}\text{C}$
Infrared spectrum	Conforms to Structure	Conforms to Structure
Appearance (C106734)	White Powder, Crystals and/or Chunks	White Powder, Crystals and/or Chunks
Solubility in EtOH , Clear Colorless,c = 5%	pass	Pass



John Su
QA & QC Manager