

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-11-11 17:05:44
 Date of Next Testing: 2028-11-10 17:05:44
 Product Name: (+)-Dehydroabietylamine [Optical Resolving Agent]
 CAS Number: 1446-61-3
 Specifications & Purity: $\geq 90\%$ (GC)
 Lot #: K2404579
 SKU #: D154779
 Version: 1
 Analysis #: 018656

Parameter	Limit Values	Result
Purity(GC)	90-100 (%)	99.72 %
Specific rotation [α] ₂₀ /D(C=2.4%, Pyridine)	53-59 (°)	58.99000
Melting point	38-42 (°C)	38.12000 °C
Appearance (D154779)	Colorless to Orange to Green to brown to Amber Viscous Liquid to Solid	Colorless to Orange to Green to brown to Amber Viscous Liquid to Solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager