

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-13 19:16:16
 Date of Next Testing: 2026-04-12 19:16:16
 Product Name: **(-)-Scopolamine hydrobromide**
 CAS Number: 114-49-8
 Specifications & Purity: Moligand™, ≥98%
 Lot #: D2308491
 SKU #: **S302239**
 Version: **2**
 Analysis #: **203551**
 Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-2.5(%)	0.44550 %
Purity(HPLC)	98-100(%)	99.07000 %
Specific Rotation [α] ₂₅ /D(c=5 in H ₂ O)	-27.0--24.0(°)	-24.21200 °
Purity(Titration by AgNO ₃)	97.5-102.5(%)	97.65000 %
Appearance(S302239)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility(Clear or very slightly hazy(50 mg/ml,water))	pass	Pass



John Su
QA & QC Manager