

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-10-13 18:44:17
 Date of Next Testing: 2026-10-12 18:44:17
 Product Name: **(S)-(+)-2-Methylpiperazine**
 CAS Number: 74879-18-8
 Specifications & Purity: $\geq 99\%$
 Lot #: J22111143
 SKU #: **M120020**
 Version: **2**
 Analysis #: **119494**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Melting point	88-92 (°C)	91.94000 °C
Purity(GC)	99-100 (%)	99.25900 %
< 0.355 mm	99-100 (%)	99.30000 %
Specific Rotation [α] ₂₀ /D(c=1 in EtOH)	6-8 (°)	7.18400 °
Purity(Nonaqueous Titration)	98.5-101.5 (%)	99.61000 %
Appearance (M120020)	White to Yellow Crystals to Powder and/or Chunks	White to Yellow Crystals to Powder and/or Chunks
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager