

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-12-15 11:26:05

Date of Next Testing: 2026-12-14 11:26:05

Product Name: (S)-(+)-1-Methyl-3-pyrrolidinol

CAS Number: 104641-59-0

Specifications & Purity: ≥98%

Lot #: L2209577

SKU #: M121670

Version: 1

Analysis #: 149610

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.463-1.467	1.46450
Specific Rotation [α] ₂₀ /D(c=1 in CHCL ₃)	4-8 (°)	7.78000 °
Purity(Nonaqueous Titration)	98-100 (%)	99.36200 %
Purity(GC)	98-100 (%)	99.21400 %
Density (20°C)	0.981-0.986	0.98300
Appearance (M121670)	colorless to yellow to brown liquid	colorless to yellow to brown liquid
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager