

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-11-07 11:17:44

Date of Next Testing: 2027-11-06 11:17:44

Product Name: **1-Methylpiperazine**

CAS Number: 109-01-3

Specifications & Purity: $\geq 99\%$

Lot #: J2326579

SKU #: **M108683**

Version: **0**

Analysis #: **292889**

Storage Temperature: Room temperature, Desiccated, Cool

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.89100 %
Water by Karl Fischer	0-1 (%)	0.46130 %
Density (20°C)	0.901-0.907	0.90500
Refractive index n ₂₀ /D	1.464-1.467	1.46580
Appearance (M108683)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager