

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-07-16 11:30:57

Date of Next Testing: 2024-07-05 11:30:57

Product Name: **1-Methylpiperazine**

CAS Number: 109-01-3

Specifications & Purity: analytical standard, $\geq 99.5\%$ (GC)

Lot #: G2201459

SKU #: **M108684**

Version: **0**

Analysis #: **103019**

Storage Temperature: Room temperature, Desiccated, Cool

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.464-1.467	1.46580
Water by Karl Fischer	0-1 (%)	0.13410 %
Purity(GC)	99.5-100 (%)	99.81100 %
Appearance (M108684)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager