

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-24 17:11:08

Date of Next Testing: 2029-12-23 17:11:08

Product Name: **1,4-Dimethylpiperazine**

CAS Number: 106-58-1

Specifications & Purity: $\geq 98\%$ (GC)

Lot #: L2516042

SKU #: **D124551**

Version: **1**

Analysis #: **356418**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(Nonaqueous Titration)	98-100 (%)	98.90000 %
Refractive index n ₂₀ /D	1.445-1.448	1.44710
Purity(GC)	98-100 (%)	99.70800 %
Density (20°C)	0.852-0.855	0.85300
Appearance (D124551)	Colorless to Light yellow clear liquid	Colorless to Light yellow clear liquid
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager