

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-06 21:01:51

Date of Next Testing: 2027-04-05 21:01:51

Product Name: **N,N'-Dimethyl-1,3-propanediamine**

CAS Number: 111-33-1

Specifications & Purity: $\geq 97\%$ (GC)

Lot #: D2303309

SKU #: **D124206**

Version: **0**

Analysis #: **047594**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(GC)	97-100 (%)	99.06100 %
Purity(Nonaqueous Titration)	96.5-103.5 (%)	98.52000 %
Refractive index n _{20/D}	1.437-1.441	1.43865
Density (20°C)	0.829-0.833	0.83100
Appearance (D124206)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager