

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-09 14:11:39
 Date of Next Testing: 2027-04-08 14:11:39
 Product Name: **N,N'-Dimethyl-1,3-propanediamine**
 CAS Number: 111-33-1
 Specifications & Purity: $\geq 97\%$ (GC)
 Lot #: D2303332
 SKU #: **D124206**
 Version: **0**
 Analysis #: **207930**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(GC)	97-100 (%)	99.61000 %
Purity(Nonaqueous Titration)	96.5-103.5 (%)	97.13000 %
Refractive index n _{20/D}	1.437-1.441	1.43900
Density (20°C)	0.829-0.833	0.83000
Appearance (D124206)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager