

Certificate of Analysis

Date of Testing: 2023-11-24 15:23:56

Date of Next Testing: 2027-11-23 15:23:56

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

CAS Number: 111-33-1

Specifications & Purity: >97.0%(GC)

Lot #: K2317390

SKU #: **D124206**

Analysis: **293074**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(GC)	97-100 (%)	98.42 %
Purity(NonaqueousTitration)	96.5-103.5 (%)	99.68 %
Refractive index n ₂₀ /D	1.437-1.441	1.44
Density (20°C)	0.829-0.833	0.83
Appearance (D124206)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



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QA & QC Manager