

Certificate of Analysis

Date of Testing: 2022-02-24 15:50:54

Date of Next Testing: 2026-02-23 15:50:54

Product Name: **Diethanolamine**

CAS Number: 111-42-2

Specifications & Purity: ACS, $\geq 99.0\%$ (GC)

Lot #: B2221123

SKU #: **D112361**

Analysis: **064320**

Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Refractive index n _{20/D}	1.474-1.479	1.48
Ignition Residue	0-0.005 (%)	0.00 %
Water by Karl Fischer	0-0.15 (%)	0.06 %
Purity(GC)	99-100 (%)	99.03 %
Appearance (D112361)	white solid or colorless liquid	white solid or colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless ,Clear ,50 mg/mL in H ₂ O	pass	Pass



John Su
QA & QC Manager