

Certificate of Analysis

Date of Testing: 2025-07-14 10:21:44

Date of Next Testing: 2029-07-13 10:21:44

Product Name: **Diethanolamine**

CAS Number: 111-42-2

Specifications & Purity: ACS, $\geq 99\%$ (GC)

Lot #: G2501071

SKU #: **D112361**

Version: **0**

Analysis #: **542805**

Storage Temperature: Room temperature, Argon charged

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 (%)	0.01 %
Purity(GC)	99-100 (%)	99.80 %
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