

Certificate of Analysis

Date of Testing: 2023-03-14 08:42:11

Date of Next Testing: 2027-03-13 08:42:11

Product Name: **Diethanolamine**

CAS Number: 111-42-2

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

Lot #: C2307210

SKU #: **D112361**

Analysis: **192264**

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 (%)	0.15 %
Purity(GC)	99-100 (%)	99.09 %
Appearance (D112361)	white solid or colorless liquid	white solid or colorless liquid
Solubility in H ₂ O , Colorless , Clear , 50 mg/mL in H ₂ O	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager