

Certificate of Analysis

Date of Testing: 2023-12-28 15:53:26
Date of Next Testing: 2027-12-27 15:53:26
Product Name: **Diethanolamine**
CAS Number: 111-42-2
Specifications & Purity: 99%
Lot #: L2322278
SKU #: **D112360**
Analysis: **309380**
Storage Temperature: Room temperature, Argon charged, Desiccated

Parameter	Limit Values	Result
Purity(Titration by HClO ₄)	98.5-101.5 (%)	99.98 %
Refractive index n ₂₀ /D	1.474-1.479	1.48
Purity(GC)	99-100 (%)	99.04 %
Appearance (D112360)	White solid or colorless to yellow liquid	White solid or colorless to yellow liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless ,Clear ,50 mg/mL in pass H ₂ O		Pass



John Su
QA & QC Manager