

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-19 16:38:17
 Date of Next Testing: 2029-07-18 16:38:17
 Product Name: **Diethanolamine(DEA)**
 CAS Number: 111-42-2
 Specifications & Purity: AR, ≥99%
 Lot #: G2508036
 SKU #: **D112360**
 Version: **0**
 Analysis #: **546829**
 Storage Temperature: Room temperature,Argon charged,Desiccated

Parameter	Limit Values	Result
Purity(Titration by HClO ₄)	98.5-101.5 (%)	98.60000 %
Refractive index n _{20/D}	1.474-1.479	1.47680
Purity(GC)	99-100 (%)	99.75600 %
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