

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-07-25 16:53:03
 Date of Next Testing: 2030-07-24 16:53:03
 Product Name: **Diethanolamine(DEA)**
 CAS Number: 111-42-2
 Specifications & Purity: ACS, ≥99%(GC)
 Lot #: G2620042
 SKU #: **D112361**
 Version: **0**
 Analysis #: **724857**
 Storage Temperature: Room temperature,Argon charged

Parameter	Limit Values	Result
Ignition Residue	0-0.005 (%)	0.00000 %
Water by Karl Fischer	0-0.15 (%)	0.15000 %
Refractive index n _{20/D}	1.474-1.479	1.47700
Purity(GC)	99-100 (%)	99.97500 %
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