

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-07-05 13:37:58

Date of Next Testing: 2028-07-04 13:37:58

Product Name: **N-(3-Aminopropyl)diethanolamine**

CAS Number: 4985-85-7

Specifications & Purity: 90%

Lot #: F2428090

SKU #: **A102524**

Version: **0**

Analysis #: **383353**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(GC)	90-100 (%)	94.40 %
Refractive index n ₂₀ /D	1.496-1.499	1.50
Density (20°C)	1.068-1.075	1.07
Appearance (A102524)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager