

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-11-07 10:46:50

Date of Next Testing: 2027-11-06 10:46:50

Product Name: **Diethanolamine Hydrochloride**

CAS Number: 14426-21-2

Specifications & Purity: >95.0%(T)

Lot #: J2330370

SKU #: **D155708**

Analysis: **280613**

Parameter	Limit Values	Result
Purity(Titration by AgNO ₃)	94.5-105.5 (%)	97.77 %
Refractive index n ₂₀ /D	1.512-1.519	1.51
Appearance (D155708)	Colorless to Yellow to Brown-Yellow Liquid	Colorless to Yellow to Brown-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