

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-12-21 15:27:00
 Date of Next Testing: 2027-12-20 15:27:00
 Product Name: **N,N,N'-Trimethyl-N'-(2-hydroxyethyl)bis(2-aminoethyl) Ether**
 CAS Number: 83016-70-0
 Specifications & Purity: $\geq 98\%$ (GC)(T)
 Lot #: L2320131
 SKU #: **N159139**
 Version: **1**
 Analysis #: **017276**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Neutralization titration)	97.5-102.5%	99.85000 %
Purity(GC)	98-100%	98.01000 %
Appearance(N159139)	Colorless to Light orange to Yellow clear liquid	Colorless to Light orange to Yellow clear liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager