

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-02-20 17:09:44

Date of Next Testing: 2028-02-19 17:09:44

Product Name: **N,N,N',N'-Tetrakis(2-hydroxypropyl)ethylenediamine**

CAS Number: 102-60-3

Specifications & Purity: $\geq 98\%$

Lot #: A2429052

SKU #: **T121820**

Version: **0**

Analysis #: **315617**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Refractive index n _{20/D}	1.479-1.482	1.47970
Purity(Titration by HClO ₄)	97.5-102.5 (%)	98.09000 %
Appearance (T121820)	Colorless to Yellow to Almost colorless clear liquid	Colorless to Yellow to Almost colorless clear liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager