

Certificate of Analysis

Date of Testing: 2024-11-09 16:14:31

Date of Next Testing: 2028-11-08 16:14:31

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

CAS Number: 102-60-3

Specifications & Purity: $\geq 98\%$

Lot #: J2431472

SKU #: **T121820**

Version: **0**

Analysis #: **424790**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.479-1.482	1.48
Purity(Titration by HClO ₄)	97.5-102.5 (%)	98.38 %
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



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