

Certificate of Analysis

Date of Testing: 2022-12-14 10:34:34

Date of Next Testing: 2026-12-13 10:34:34

Product Name: **N,N'-Bis(2-aminoethyl)-1,3-propanediamine**

CAS Number: 4741-99-5

Specifications & Purity: 97%

Lot #: D1523009

SKU #: **B124209**

Analysis: **167717**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.492-1.496	1.49
Density (25°C)	0.963-0.968	0.96
Purity(GC)	97-100 (%)	97.15 %
Purity(Titration by HClO ₄)	96.5-103.5 (%)	96.50 %
Appearance (B124209)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager