

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-07-16 10:09:43
 Date of Next Testing: 2028-07-15 10:09:43
 Product Name: **N,N'-Bis(2-aminoethyl)-1,3-propanediamine**
 CAS Number: 4741-99-5
 Specifications & Purity: $\geq 97\%$
 Lot #: I2014062
 SKU #: **B124209**
 Version: **0**
 Analysis #: **388327**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.492-1.496	1.49400
Density (25°C)	0.963-0.968	0.96400
Purity(GC)	97-100 (%)	97.20000 %
Purity(Titration by HClO ₄)	96.5-103.5 (%)	97.10000 %
Appearance (B124209)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager