

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-07-04 11:05:44  
Date of Next Testing: 2026-07-03 11:05:44  
Product Name: **Tris(2-aminoethyl)amine**  
CAS Number: 4097-89-6  
Specifications & Purity: 96%  
Lot #: F2228652  
SKU #: **T106669**  
**Analysis:** **096490**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Density (20°C)	0.976-0.982	0.98
Purity(GC)	96-100 (%)	99.10%
Purity(Neutralization titration)	95.5-104.5 (%)	96.49%
Refractive index n <sub>20</sub> /D	1.495-1.499	1.50
Appearance (T106669)	Colorless to Yellow to Yellow-Green Liquid	Colorless to Yellow to Yellow-Green Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager