

## Certificate of Analysis

Date of Testing: 2023-07-13 18:18:40  
Date of Next Testing: 2025-07-02 18:18:40  
Product Name: **Triethanolamine**  
CAS Number: 102-71-6  
Specifications & Purity:  $\geq 99.0\%$  (GC)  
Lot #: G2303223  
SKU #: **T108154**  
**Analysis:** **249088**  
Storage Temperature: Protected from light

Parameter	Limit Values	Result
Ignition Residue (as sulfate)	0-0.01 (%)	0.00 %
Refractive index n <sub>20</sub> /D	1.484-1.486	1.48
Purity(GC)	99-100 (%)	99.66 %
Appearance (T108154)	Colorless to light yellow liquid	Colorless to light yellow liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in EtOH	pass	Pass



John Su  
QA & QC Manager