

## Certificate of Analysis

Date of Testing: 2022-05-17 14:21:20  
Date of Next Testing: 2026-05-16 14:21:20  
Product Name: **Ethylenediamine**  
CAS Number: 107-15-3  
Specifications & Purity: purified by redistillation,  $\geq 99.5\%$   
Lot #: E2211237  
SKU #: **E112643**  
Analysis: **088492**

Parameter	Limit Values	Result
Density (20°C)	0.897-0.899	0.90
Water by Karl Fischer	0-0.5 (%)	0.43 %
Refractive index n <sub>20</sub> /D	1.455-1.458	1.46
Purity(GC)	99.5-100 (%)	99.84 %
Appearance (E112643)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager