

## Certificate of Analysis

Date of Testing: 2022-09-17 14:14:33  
Date of Next Testing: 2024-09-06 14:14:33  
Product Name: **N,N,N',N'-Tetramethylethylenediamine**  
CAS Number: 110-18-9  
Specifications & Purity:  $\geq 99.5\%$ (GC),purified by redistillation  
Lot #: I2214728  
SKU #: **T105498**  
**Analysis:** **132172**  
Storage Temperature: Protected from light,Room temperature,Argon charged,Desiccated

Parameter	Limit Values	Result
Purity(GC)	99.5-100 (%)	99.59%
Refractive index n <sub>20</sub> /D	1.415-1.419	1.42
Density (20°C)	0.774-0.778	0.78
Appearance (T105498)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager