

## Certificate of Analysis

Date of Testing: 2022-10-26 11:34:11  
Date of Next Testing: 2024-10-15 11:34:11  
Product Name: **N,N,N',N'-Tetramethylethylenediamine**  
CAS Number: 110-18-9  
Specifications & Purity: for electrophoresis,99%  
Lot #: J2219194  
SKU #: **T105496**  
**Analysis: 148614**  
Storage Temperature: Protected from light,Room temperature,Argon charged,Desiccated

| Parameter                           | Limit Values                     | Result                           |
|-------------------------------------|----------------------------------|----------------------------------|
| Boiling point                       | 120-122 (°C)                     | 120.13 °C                        |
| Density (20°C)                      | 0.775-0.778                      | 0.78                             |
| Refractive index n <sub>20</sub> /D | 1.416-1.419                      | 1.42                             |
| Purity(GC)                          | 99-100 (%)                       | 99.80 %                          |
| Appearance (T105496)                | Colorless to light yellow liquid | Colorless to light yellow liquid |
| Electrophoresis test                | pass                             | Pass                             |
| Infrared spectrum                   | Conforms to Structure            | Conforms to Structure            |



John Su  
QA & QC Manager