

## Certificate of Analysis

Date of Testing: 2022-02-11 14:55:50  
Date of Next Testing: 2023-02-06 14:55:50  
Product Name: **N,N,N',N'-Tetramethylethylenediamine**  
CAS Number: 110-18-9  
Specifications & Purity: 99%  
Lot #: B2210571  
SKU #: **T105497**  
**Analysis:** **067589**  
Storage Temperature: Protected from light, Room temperature, Argon charged, Desiccated

| Parameter   | Limit Values                     | Result                           |
|---|----------------------------------|----------------------------------|
| Refractive index n <sub>20</sub> /D                           | 1.416-1.419                      | 1.42                             |
| Water by Karl Fischer   | 0-1 (%)                          | 0.11 %                           |
| Density (20°C)  | 0.775-0.778                      | 0.78                             |
| Purity(GC)  | 99-100 (%)                       | 99.47 %                          |
| Appearance (T105497)  | Colorless to light yellow liquid | Colorless to light yellow liquid |
| Infrared spectrum   | Conforms to Structure            | Conforms to Structure            |
| Solubility in H <sub>2</sub> O , Colorless Clear, C=5 g/50 ml | pass                             | Pass                             |



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