

## Certificate of Analysis

Date of Testing: 2024-09-14 09:03:58  
Date of Next Testing: 2028-09-13 09:03:58  
Product Name: **N,N-Dimethyl-p-toluidine**  
CAS Number: 99-97-8  
Specifications & Purity: >98.0%(GC)  
Lot #: L2009169  
SKU #: **N158974**  
Version: **0**  
Analysis #: **411282**  
Storage Temperature: Argon charged

| Parameter                          | Limit Values                               | Result                                     |
|------------------------------------|--------------------------------------------|--------------------------------------------|
| Purity(GC)                         | 98-100 (%)                                 | 99.20 %                                    |
| Density (20°C)                     | 0.936-0.939                                | 0.94                                       |
| Refractive index n <sub>20/D</sub> | 1.545-1.548                                | 1.55                                       |
| Appearance (N158974)               | Colorless to Yellow to Yellow-Green Liquid | Colorless to Yellow to Yellow-Green Liquid |
| Proton NMR spectrum                | Conforms to Structure                      | Conforms to Structure                      |



John Su  
QA & QC Manager