

## Certificate of Analysis

Date of Testing: 2023-01-04 17:00:24  
Date of Next Testing: 2027-01-03 17:00:24  
Product Name: **Tripropylamine**  
CAS Number: 102-69-2  
Specifications & Purity: >99% (GC)  
Lot #: L2217158  
SKU #: **T103837**  
**Analysis: 164669**  
Storage Temperature: Argon charged

| Parameter                           | Limit Values          | Result                |
|-------------------------------------|-----------------------|-----------------------|
| dipropylamine                       | 0-0.2 (%)             | 0.12 %                |
| Refractive index n <sub>20</sub> /D | 1.416-1.418           | 1.42                  |
| Purity(GC)                          | 99-100 (%)            | 99.83 %               |
| Density (20°C)                      | 0.757-0.759           | 0.76                  |
| Water by Karl Fischer               | 0-0.2 (%)             | 0.12 %                |
| Appearance (T103837)                | Colorless Liquid      | Colorless liquid      |
| Infrared spectrum                   | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager