

## Certificate of Analysis

Date of Testing: 2024-10-12 11:06:50  
Date of Next Testing: 2026-10-02 11:06:50  
Product Name: **1-Methylimidazole**  
CAS Number: 616-47-7  
Specifications & Purity:  $\geq 99\%$   
Lot #: A2314177  
SKU #: **M109227**  
Version: **0**  
Analysis #: **418182**  
Storage Temperature: Argon charged

| Parameter                           | Limit Values               | Result                     |
|-------------------------------------|----------------------------|----------------------------|
| Water by Karl Fischer               | 0-2 (%)                    | 0.04 %                     |
| Refractive index n <sub>20</sub> /D | 1.492-1.498                | 1.50                       |
| Purity(GC)                          | 99-100 (%)                 | 99.10 %                    |
| Density (20°C)                      | 1.036-1.039                | 1.04                       |
| Appearance (M109227)                | Colorless to Yellow Liquid | Colorless to Yellow Liquid |
| Infrared spectrum                   | Conforms to Structure      | Conforms to Structure      |



John Su  
QA & QC Manager