

## Certificate of Analysis

Date of Testing: 2022-03-26 15:48:11  
Date of Next Testing: 2026-03-25 15:48:11  
Product Name: **Methylcyclohexane**  
CAS Number: 108-87-2  
Specifications & Purity: for HPLC,  $\geq 99\%$   
Lot #: C2223387  
SKU #: **M103331**  
**Analysis:** **075931**  
Storage Temperature: Room temperature, Desiccated

| Parameter                           | Limit Values          | Result                |
|-------------------------------------|-----------------------|-----------------------|
| Purity(GC)                          | 99-100 (%)            | 99.98 %               |
| Refractive index n <sub>20</sub> /D | 1.422-1.424           | 1.42                  |
| Evaporation Residue                 | 0-0.0005 (mg/L)       | 0.00 mg/L             |
| Density (20°C)                      | 0.769-0.772           | 0.77                  |
| UV Absorbance 300nm                 | 0-0.01                | 0.01                  |
| UV Absorbance 232nm                 | 0-0.15                | 0.11                  |
| UV Absorbance 400nm                 | 0-0.01                | 0.00                  |
| UV Absorbance 207nm                 | 0-1                   | 0.97                  |
| UV Absorbance 221nm                 | 0-0.4                 | 0.32                  |
| Water by Karl Fischer               | 0-0.01 (%)            | 0.01 %                |
| UV Absorbance 260nm                 | 0-0.05                | 0.02                  |
| Appearance (M103331)                | Colorless Liquid      | Colorless liquid      |
| Infrared spectrum                   | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager