

## Certificate of Analysis

Date of Testing: 2024-01-02 13:58:05  
Date of Next Testing: 2025-12-22 13:58:05  
Product Name: **Benzene**  
CAS Number: 71-43-2  
Specifications & Purity: for HPLC,  $\geq 99.7\%$   
Lot #: L2326100  
SKU #: **B116189**  
**Analysis:** **310260**  
Storage Temperature: Argon charged, Desiccated

| Parameter                           | Limit Values          | Result                |
|-------------------------------------|-----------------------|-----------------------|
| UV Absorbance 280nm                 | 0-1                   | 0.50                  |
| UV Absorbance 350nm                 | 0-0.01                | 0.00                  |
| UV Absorbance 400nm                 | 0-0.01                | 0.00                  |
| Water by Karl Fischer               | 0-0.02 (%)            | 0.01 %                |
| Evaporation Residue                 | 0-0.001 (%)           | 0.00 %                |
| Density (20°C)                      | 0.877-0.881           | 0.88                  |
| Purity(GC)                          | 99.7-100 (%)          | 99.83 %               |
| UV Absorbance 290nm                 | 0-0.15                | 0.07                  |
| UV Absorbance 330nm                 | 0-0.02                | 0.01                  |
| Refractive index n <sub>20</sub> /D | 1.499-1.502           | 1.50                  |
| UV Absorbance 300nm                 | 0-0.06                | 0.02                  |
| Appearance (B116189)                | Colorless liquid      | Colorless liquid      |
| Infrared spectrum                   | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager