

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-06-20 10:17:14  
 Date of Next Testing: 2027-06-19 10:17:14  
 Product Name: **Benzene**  
 CAS Number: 71-43-2  
 Specifications & Purity: Analytical Reagent, ≥99.5%  
 Lot #: F2301762  
 SKU #: **B116187**  
**Analysis:** **239937**  
 Storage Temperature: Argon charged, Desiccated

| Parameter                                  | Limit Values          | Result                |
|--|-----------------------|-----------------------|
| Thiophene(C <sub>4</sub> H <sub>4</sub> S) | 0-0.0002 (%)          | 0.00000 %             |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> )    | 0-0.0015 (%)          | 0.00000 %             |
| Water by Karl Fischer                      | 0-0.03 (%)            | 0.00870 %             |
| Evaporation Residue                        | 0-0.001 (%)           | 0.00000 %             |
| Crystallization point                      | ≥5.2 (°C)             | 6.50000 °C            |
| Acidity(as H <sup>+</sup> )                | 0-0.1 (μmol/g)        | 0.00000 μmol/g        |
| alkalinity(as OH <sup>-</sup> )            | 0-0.1 (μmol/g)        | 0.00000 μmol/g        |
| Color test (APHA)                          | 0-10                  | 0.00000               |
| Assay                                      | 99.5-100 (%)          | 99.99400 %            |
| Appearance (B116187)                       | Colorless Liquid      | Colorless liquid      |
| Infrared spectrum                          | Conforms to Structure | Conforms to Structure |
| Readily carbonizable substance             | Pass                  | Pass                  |



John Su  
QA & QC Manager