

Certificate of Analysis

Date of Testing: 2023-07-19 15:48:23
 Date of Next Testing: 2025-07-08 15:48:23
 Product Name: **Benzene**
 CAS Number: 71-43-2
 Specifications & Purity: for spectroscopy, ≥99.7%
 Lot #: G2315292
 SKU #: **B116186**
Analysis: **253664**
 Storage Temperature: Argon charged, Desiccated

| Parameter | Limit Values | Result |
|--------------------------------|-----------------------|-----------------------|
| UV Absorbance 280nm | 0-1 | 0.50 |
| Water by Karl Fischer | 0-0.05 (%) | 0.01 % |
| Purity(GC) | 99.7-100 (%) | 99.83 % |
| Evaporation Residue | 0-0.001 (mg/L) | 0.00 mg/L |
| UV Absorbance 350nm | 0-0.02 | 0.00 |
| UV Absorbance 380nm | 0-0.01 | 0.00 |
| UV Absorbance 300nm | 0-0.1 | 0.02 |
| UV Absorbance 400nm | 0-0.01 | 0.00 |
| UV Absorbance 330nm | 0-0.04 | 0.01 |
| Sulfate(SO4 ²⁻) | 0-0.005 (%) | 0.00 % |
| UV Absorbance 290nm | 0-0.3 | 0.07 |
| Color Test | 0-10 | 4.00 |
| Appearance (B116186) | Colorless Liquid | Colorless liquid |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |
| Substances Darkened (by H2SO4) | Pass | Pass |
| Thiophene | Pass | Pass |
| λ, H2O reference | Pass | Pass |



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager