

## Certificate of Analysis

Date of Testing: 2023-10-26 14:33:18  
Date of Next Testing: 2025-10-15 14:33:18  
Product Name: **Benzene**  
CAS Number: 71-43-2  
Specifications & Purity: for spectroscopy, ≥99.7%  
Lot #: J2320137  
SKU #: **B116186**  
**Analysis:** **291383**  
Storage Temperature: Argon charged, Desiccated

Parameter	Limit Values	Result
UV Absorbance 280nm	0-1	0.54
Water by Karl Fischer	0-0.05 (%)	0.01 %
Purity(GC)	99.7-100 (%)	99.90 %
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	0.01
UV Absorbance 300nm	0-0.1	0.03
UV Absorbance 400nm	0-0.01	0.00
UV Absorbance 330nm	0-0.04	0.01
Sulfate(SO4 <sup>2-</sup> )	0-0.005 (%)	0.00 %
UV Absorbance 290nm	0-0.3	0.08
Color Test	0-10	8.00
Appearance (B116186)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Substances Darkened (by H <sub>2</sub> SO <sub>4</sub> )	Pass	Pass
Thiophene	Pass	Pass
λ, H <sub>2</sub> O reference	Pass	Pass



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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager