

## Certificate of Analysis

Date of Testing: 2023-07-19 17:56:38  
Date of Next Testing: 2025-07-08 17:56:38  
Product Name: **Benzene**  
CAS Number: 71-43-2  
Specifications & Purity: for spectroscopy, ≥99.7%  
Lot #: G2315291  
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 <sup>2-</sup> )	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 H <sub>2</sub> SO <sub>4</sub> )	Pass	Pass
Thiophene	Pass	Pass
λ, H <sub>2</sub> O reference	Pass	Pass



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su  
QA & QC Manager