

## Certificate of Analysis

Date of Testing: 2022-11-11 19:09:18  
Date of Next Testing: 2026-11-10 19:09:18  
Product Name: **Quinoline**  
CAS Number: 91-22-5  
Specifications & Purity: 99%  
Lot #: J2228143  
SKU #: **Q110658**  
**Analysis:** **044139**  
Storage Temperature: Protected from light, Desiccated

Parameter	Limit Values	Result
Refractive index n <sub>20</sub> /D	1.624-1.628	1.63
Purity(GC)	99-100 (%)	99.36 %
Appearance (Q110658)	Colorless to tan liquid	Colorless to tan liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager