

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-02-08 16:08:46  
Date of Next Testing: 2025-01-28 16:08:46  
Product Name: **Quinoline**  
CAS Number: 91-22-5  
Specifications & Purity: AR, ≥96%  
Lot #: D2129176  
SKU #: **Q110656**  
Version: **1**  
Analysis #: **184856**  
Storage Temperature: Protected from light, Room temperature, Desiccated

Parameter	Limit Values	Result
Density (20°C)	1.092-1.096 (g/ml)	1.09400 g/ml
Ignition Residue (as sulfate)	0-0.005 (%)	0.00300 %
Refractive index n <sub>20</sub> /D	1.624-1.628	1.62600
Assay	96-100 (%)	96.30000 %
Appearance (Q110656)	Colorless to light yellow liquid	Colorless to light yellow liquid
Aniline	pass	Pass
Boiling range, 236.0 - 237.0 °C	Conforms	Conforms



John Su  
QA & QC Manager