

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-12-11 16:04:16  
 Date of Next Testing: 2027-12-10 16:04:16  
 Product Name: **Quinhydrone**  
 CAS Number: 106-34-3  
 Specifications & Purity:  $\geq 97\%$   
 Lot #: L2305158  
 SKU #: **Q104677**  
 Version: **0**  
 Analysis #: **091579**  
 Storage Temperature: Room temperature, Argon charged

| Parameter                                | Limit Values                                       | Result                                             |
|------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| p-Benzoquinone                           | 48-52 (%)                                          | 48.01000 %                                         |
| Hydroquinone                             | 48-52 (%)                                          | 48.02000 %                                         |
| Carbon by Elemental Analysis             | 63.7-68.4 (%)                                      | 65.75000 %                                         |
| Purity(HPLC)                             | 97-100 (%)                                         | 98.36800 %                                         |
| Melting point                            | 169-173 (°C)                                       | 172.99000 °C                                       |
| Appearance (Q104677)                     | Green to Olive Green Metallic to Dark Green Powder | Green to Olive Green Metallic to Dark Green Powder |
| Infrared spectrum                        | Conforms to Structure                              | Conforms to Structure                              |
| Solubility in EtOH , almost transparency | almost transparency                                | almost transparency                                |



John Su  
QA & QC Manager