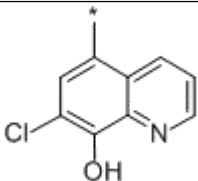




杭州海蓝化工有限公司  
HANGZHOU HAILAN CHEMICAL CO.,LTD

CERTIFICATE OF ANALYSIS

COA No.:08202508291

|                     |                                                                                   |
|---------------------|-----------------------------------------------------------------------------------|
| Product Name        | Halquinol                                                                         |
| CAS Registry number | 8067-69-4                                                                         |
| Structure           |  |
| MF & MW             | C <sub>8</sub> H <sub>7</sub> ClN <sub>2</sub> O & 204.18                         |
| Batch number        | 202506201                                                                         |
| Date of manufacture | 20250620                                                                          |

| Index Name                 | Specifications                    | Results    |
|----------------------------|-----------------------------------|------------|
| Characteristics            | Slight brown crystalline          | Complies   |
| Assay                      | 96.0%min                          | 97.2%      |
| Sulfated ash               | 0.5%max                           | 0.2%       |
| Loss on drying             | 0.5%max                           | 0.3%       |
| Heavy metals               | 0.002%max                         | Complies   |
| 5,7- dichloroquinolin-8-ol | 25.0~75.0%                        | 53.5%      |
| 5-chloroquinolin-8-ol      | 22.0~45.0%                        | 42.7%      |
| 7- chloroquinolin-8-ol     | 4.0%max                           | 0.4%       |
|                            |                                   |            |
|                            |                                   |            |
| Conclusion                 | Meets the Enterprise requirements |            |
| QA                         | Xiang zhongbiao                   | QC Zhengyi |

HANGZHOU HAILAN CHEMICAL CO., LTD.  
QUALITY CONTROL DEPARTMENT