

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2021-05-20 16:39:54  
 Date of Next Testing: 2025-05-19 16:39:54  
 Product Name: **2,3-Dichloroquinoxaline**  
 CAS Number: 2213-63-0  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: E2114253  
 SKU #: **D123530**  
 Version: **0**  
 Analysis #: **013079**

| Parameter                                    | Limit Values                                       | Result                                             |
|----------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| Melting point                                | 151-154 (°C)                                       | 153.89000 °C                                       |
| Purity(HPLC)                                 | 98-100 (%)                                         | 99.72100 %                                         |
| Appearance (D123530)                         | White to Yellow, Green to Brown Powder or Crystals | White to Yellow, Green to Brown Powder or Crystals |
| Infrared spectrum                            | Conforms to Structure                              | Conforms to Structure                              |
| Proton NMR spectrum                          | Conforms to Structure                              | Conforms to Structure                              |
| Solubility in Toluene , very faint turbidity | pass                                               | Pass                                               |



John Su  
QA & QC Manager