

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-08-06 16:47:26  
 Date of Next Testing: 2027-08-06 16:47:26  
 Product Name: **Tetrahydroxy-1,4-quinone hydrate (THQ)**  
 CAS Number: 319-89-1  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: G2430382  
 SKU #: **T303427**  
 Version: **3**  
 Analysis #: **348505**  
 Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Desiccated

| Parameter                                       | Limit Values                                                   | Result                                                         |
|-------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|
| Loss on drying                                  | 0-18 (%)                                                       | 4.45626 %                                                      |
| Purity(Titration by 0.1M NaOH)<br>(dried basis) | 97.5-102.5 (%)                                                 | 98.00000 %                                                     |
| Proton NMR spectrum                             | Conforms to Structure                                          | Conforms to Structure                                          |
| Appearance(T303427)                             | Purple to black or dark brown powder or<br>crystal or chunk(s) | Purple to black or dark brown powder or<br>crystal or chunk(s) |



John Su  
QA & QC Manager