

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-07-16 10:28:03  
 Date of Next Testing: 2029-07-15 10:28:03  
 Product Name: **Rutin hydrate**  
 CAS Number: 207671-50-9  
 Specifications & Purity:  $\geq 98\%$ (T)  
 Lot #: J2109430  
 SKU #: **R106911**  
 Version: **0**  
 Analysis #: **540676**  
 Storage Temperature: Protected from light, Room temperature

| Parameter                                                                | Limit Values                              | Result                                    |
|--------------------------------------------------------------------------|-------------------------------------------|-------------------------------------------|
| Sulfate Ash                                                              | 0-0.5 (%)                                 | 0.04000 %                                 |
| loss on drying(105°C,2 h)                                                | 0-8.5 (%)                                 | 0.00000 %                                 |
| Purity(HPLC)                                                             | 94-100 (%)                                | 94.01000 %                                |
| Purity(Neutralization titration)(calcd.on anh.substance)                 | 97.5-102.5 (%)                            | 98.60000 %                                |
| Appearance (R106911)                                                     | Yellow to Yellow-Green Powder or Crystals | Yellow to Yellow-Green Powder or Crystals |
| Infrared spectrum                                                        | Conforms to Structure                     | Conforms to Structure                     |
| Proton NMR spectrum                                                      | Conforms to Structure                     | Conforms to Structure                     |
| Solubility in Pyridine , yellow to brown Clear to slightly hazy, 50mg/ml | pass                                      | Pass                                      |



John Su  
QA & QC Manager