

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-04-11 10:48:36

Date of Next Testing: 2029-04-10 10:48:36

Product Name: **Rutin**

CAS Number: 153-18-4

Specifications & Purity:  $\geq 95\%$

Lot #: D2609483

SKU #: **R189033**

Version: **0**

Analysis #: **681676**

Storage Temperature: Store at -20°C, Argon charged

| Parameter                                                  | Limit Values                                   | Result                                         |
|------------------------------------------------------------|------------------------------------------------|------------------------------------------------|
| Water by Karl Fischer                                      | 0-1 (%)                                        | 0.55930 %                                      |
| Purity(HPLC)                                               | 95-100 (%)                                     | 98.27800 %                                     |
| Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in EtOH})$ | 12.82-15.82 (°)                                | 14.83800 °                                     |
| Appearance (R189033)                                       | Light Yellow to Yellow and Yellow-Green Powder | Light Yellow to Yellow and Yellow-Green Powder |
| Mass spectrum                                              | Conforms to standard                           | Conforms to standard                           |



John Su  
QA & QC Manager