

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-08-22 14:05:12  
Date of Next Testing: 2027-08-22 14:05:12  
Product Name: **Rutin**  
CAS Number: 153-18-4  
Specifications & Purity:  $\geq 95\%$   
Lot #: H2412417  
SKU #: **R189033**  
Version: **0**  
Analysis #: **394072**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-1 (%)	0.71 %
Purity(HPLC)	95-100 (%)	99.45000 %
Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in EtOH})$	12.82-15.82 ( $^{\circ}$ )	14.77 $^{\circ}$
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