

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-09-28 14:36:40  
Date of Next Testing: 2027-09-28 14:36:40  
Product Name: **Rutin**  
CAS Number: 153-18-4  
Specifications & Purity:  $\geq 95\%$   
Lot #: I2419509  
SKU #: **R189033**  
Version: **0**  
Analysis #: **394075**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-1 (%)	0.76 %
Purity(HPLC)	95-100 (%)	99.42000 %
Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in EtOH})$	12.82-15.82 ( $^{\circ}$ )	13.57 $^{\circ}$
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