

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-11-13 11:35:06
 Date of Next Testing: 2027-11-13 11:35:06
 Product Name: **Rutin**
 CAS Number: 153-18-4
 Specifications & Purity: $\geq 95\%$
 Lot #: K2404647
 SKU #: **R189033**
 Version: **0**
 Analysis #: **424397**
 Storage Temperature: Store at -20°C , Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-1 (%)	0.94360 %
Purity(HPLC)	95-100 (%)	99.67000 %
Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in EtOH})$	12.82-15.82 ($^{\circ}$)	15.74700 $^{\circ}$
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