

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-09-28 11:42:55
Date of Next Testing: 2027-09-28 11:42:55
Product Name: **Rutin**
CAS Number: 153-18-4
Specifications & Purity: $\geq 95\%$
Lot #: I2419513
SKU #: **R189033**
Version: **0**
Analysis #: **394074**
Storage Temperature: Store at -20°C , Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-1 (%)	0.64 %
Purity(HPLC)	95-100 (%)	99.42000 %
Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in EtOH})$	12.82-15.82 ($^{\circ}$)	15.47 $^{\circ}$
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