

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-09-06 16:59:18
 Date of Next Testing: 2027-09-05 16:59:18
 Product Name: **(+)-Rutin trihydrate**
 CAS Number: 250249-75-3
 Specifications & Purity: $\geq 97\%$
 Lot #: I2305676
 SKU #: **R109496**
 Version: **0**
 Analysis #: **267553**
 Storage Temperature: Protected from light, Room temperature, Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	6-9 (%)	8.25270 %
Sulfate Ash	0-0.5 (%)	0.23000 %
Purity(HPLC)	97-100 (%)	98.55200 %
Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in EtOH})$	8-11 ($^{\circ}$)	8.01000 $^{\circ}$
Appearance (R109496)	Yellow to Yellow-Green Powder or Crystals	Yellow to Yellow-Green Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager