

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-01-16 16:21:41
Date of Next Testing: 2027-01-15 16:21:41
Product Name: **Naringin**
CAS Number: 10236-47-2
Specifications & Purity: 95%
Lot #: A2306767
SKU #: **N107345**
Version: **0**
Analysis #: **162600**
Storage Temperature: Argon charged

| Parameter | Limit Values | Result |
|--|-----------------------|-----------------------|
| Purity(HPLC) | 95-100 (%) | 98.48500 % |
| Specific Rotation [a] _D 20/D(c=2 in EtOH) | -92--75 (°) | -85.62 ° |
| Water by Karl Fischer | 0-5 (%) | 3.69 % |
| Purity(Neutralization titration)(calcd.on anh.substance) | 95-105 (%) | 99.60 % |
| Appearance (N107345) | White to Yellow Solid | White to Yellow Solid |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager