

## Certificate of Analysis

Date of Testing: 2023-01-16 16:36:28  
Date of Next Testing: 2027-01-15 16:36:28  
Product Name: **Naringin**  
CAS Number: 10236-47-2  
Specifications & Purity: 95%  
Lot #: A2306788  
SKU #: **N107345**  
Version: **0**  
Analysis #: **162600**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	95-100 (%)	98.48500 %
Specific Rotation [a] <sub>D</sub> <sup>20</sup> (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