

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-04-24 13:42:50

Date of Next Testing: 2027-04-23 13:42:50

Product Name: **Coumarin-3-carboxylic Acid**

CAS Number: 531-81-7

Specifications & Purity: >98.0%

Lot #: D23181378

SKU #: **C153985**

Analysis: **185448**

| Parameter            | Limit Values                                          | Result                                                |
|----------------------|-------------------------------------------------------|-------------------------------------------------------|
| Purity(HPLC)         | 98-100 (%)                                            | 99.81700 %                                            |
| Melting point        | 189-193 (°C)                                          | 191.81000 °C                                          |
| Appearance (C153985) | White to Reddish-Yellow,Light Brown<br>Powder,Crystal | White to Reddish-Yellow,Light Brown<br>Powder,Crystal |
| Proton NMR spectrum  | Conforms to Structure                                 | Conforms to Structure                                 |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager