

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-05-10 17:03:44

Date of Next Testing: 2025-04-29 17:03:44

Product Name: **Fluorescent Brightener 378**

CAS Number: 40470-68-6

Specifications & Purity: 97%

Lot #: H2110047

SKU #: **F102152**

Analysis: **221378**

| Parameter            | Limit Values                                    | Result                                          |
|----------------------|-------------------------------------------------|-------------------------------------------------|
| Melting point        | 216-220 (°C)                                    | 219.69000 °C                                    |
| Purity(HPLC)         | 97-100 (%)                                      | 97.98000 %                                      |
| Appearance (F102152) | Light yellow to yellow-green powder or crystals | Light yellow to yellow-green powder or crystals |
| Proton NMR spectrum  | Conforms to Structure                           | Conforms to Structure                           |

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

John Su  
QA & QC Manager