



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-214769  
Lot Number: SAMPLE  
Product Name: Coumarin 466  
CAS Number: 20571-42-0  
Molecular Formula:  $C_{13}H_{15}NO_2$   
Molecular Weight: 217.26

| Test                               | Specification                            | Result                    |
|------------------------------------|------------------------------------------|---------------------------|
| Appearance                         | White to light yellow powder or crystals | Light yellow crystals     |
| Identification (Infrared Spectrum) | Consistent with structure                | Consistent with structure |
| Purity (HPLC)                      | $\geq 98.0$ area%                        | 99.9 area%                |
| Purity (UV)                        |                                          | 80.7 %                    |
| Purity (UV)                        |                                          | 86.0%                     |
| Absorption Excitation (1)          |                                          | 380.0 nm                  |
| Extinction Coefficient (1)         |                                          | 24359.4                   |
| Absorption Excitation (2)          |                                          | 252.8 nm                  |
| Extinction Coefficient (2)         |                                          | 10815.1                   |
| Fluorescence Emission Max          | $460.0 \pm 5.0$ nm                       | 465.0 nm                  |
| Luminescence                       | Consistent with requirements             | Complies                  |

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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