



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-214766
Lot Number: SAMPLE
Product Name: Coumarin 153
CAS Number: 53518-18-6
Molecular Formula: $C_{16}H_{14}F_3NO_2$
Molecular Weight: 309.28

Test	Specification	Result
Appearance (Color)	Yellow to Gold	Yellow
Appearance (Form)	Powder, Crystals or Crystalline Powder	Powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (HPLC)	$\geq 98.5 \%$	99.8 %
Extinction Coefficient	≥ 18000	19447
Wavelength	419 - 425 nm	422 nm
Carbon Content	61.1 - 63.1 %	61.6 %
Nitrogen Content	4.3 - 4.7 %	4.5 %

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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