



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-214768
Lot Number: SAMPLE
Product Name: Coumarin 334
CAS Number: 55804-67-6
Molecular Formula: $C_{17}H_{17}NO_3$
Molecular Weight: 283.33

Test	Specification	Result
Appearance	Orange to red powder or crystals	Dark orange powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
TLC		Complies
Solubility	Clear and yellow to orange or green at 10 mg/ml in ethanol	Clear and orange
Extinction Coefficient	≥ 45000 in ethanol	47366
Wavelength	449 - 455 nm ($c = 0.01$ g/l ethanol)	452 nm
Carbon Content	71.0 - 73.1%	71.6%
Nitrogen Content	4.8 - 5.1%	4.9%

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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