



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-215040
Lot Number: SAMPLE
Product Name: Fluorescein (free acid)
CAS Number: 2321-07-5
Molecular Formula: $C_{20}H_{12}O_5$
Molecular Weight: 332.31

Test	Specification	Result
Appearance	Orange to red-brown or maroon powder	Brown-red powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (Sodium Hydroxide Titration)	94.5 - 105.5%	99.0%
Solubility	Clear to opaque, orange to orange-green to orange brown solution at 50 mg/ml in 1N NaOH	Clear and green-orange solution
Absorption Excitation (1)	488 - 492 nm	491 nm
Extinction Coefficient (1)	≥ 70000	76221
Absorption Excitation (2)	282 - 286 nm	284 nm
Extinction Coefficient (2)	≥ 12000	13029
Absorption Excitation (3)	236 - 240 nm	239 nm
Extinction Coefficient (3)	≥ 39000	40238

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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