



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-284939B
Lot Number: SAMPLE
Product Name: Acridine Yellow G
CAS Number: 135-49-9
Molecular Formula: $C_{15}H_{16}ClN_3$
Molecular Weight: 273.76

| Test | Result |
|------------------------------------|--|
| Appearance | Brown powder |
| Identification (Infrared Spectrum) | Conforms to structure |
| Solubility | Clear yellow solution with fluorescence in water |
| Extinction Coefficient | In Water E 443 nm Standard : 30551 |
| Dye Content | 91.94% (Spectrophotometry) |
| λ_{max} | 443 nm : 0.558 in water (Conc.5.0 mg/L) |
| Water Content (KF) | 2.8% |

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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