



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-219991
Lot Number: SAMPLE
Product Name: Rose Bengal lactone
CAS Number: 4159-77-7
Molecular Formula: $C_{20}H_4Cl_4I_4O_5$
Molecular Weight: 973.67

| Test | Specification | Result |
|------------------------------------|---|-------------|
| Appearance | Light red to red and pink powder | Pink powder |
| Identification (Infrared Spectrum) | Consistent with structure | Complies |
| Purity (HPLC) | $\geq 94.5\%$ | 99.5% |
| Purity (Silver Nitrate Titration) | 94.5 - 105.5% (after oxygen combustion) | 98.3% |
| Absorption Excitation (1) | 554 - 560 nm | 557 nm |
| Extinction Coefficient (1) | ≥ 95000 | 117288 |
| Absorption Excitation (2) | 516 - 522 nm | 518 nm |
| Extinction Coefficient (2) | ≥ 30000.00 | 37757.00 |
| Absorption Excitation (3) | 317 - 323 nm | 319 nm |
| Extinction Coefficient (3) | ≥ 10000 | 15988 |

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.

Santa Cruz Biotechnology, Inc. 800.457.3801 831.457.3800 fax 831.457.3801 Europe +00800 4573 8000 49 62221 4503 0 www.scbt.com