



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-214468
Lot Number: SAMPLE
Product Name: Acid blue 129
CAS Number: 6397-02-0
Molecular Formula: $C_{23}H_{21}N_2NaO_5S$
Molecular Weight: 460.48

| Test | Specification | Result |
|------------------------------------|--|-----------------------|
| Appearance | Dark blue to very dark blue and dark purple to very dark purple and blue-purple powder | Very dark blue powder |
| Identification (Infrared Spectrum) | Consistent with structure | Complies |
| Extinction Coefficient | ≥ 3800 | 3894 |
| Wavelength | 624 - 630 nm (c = 0.02 g/l, water) | 628 nm |
| Carbon Content | $\geq 15.0\%$ | 41.9% |
| Nitrogen Content | $\geq 1.5\%$ | 2.5% |

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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