



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-215893
Lot Number: SAMPLE
Product Name: Solvent blue 59
CAS Number: 6994-46-3
Molecular Formula: $C_{18}H_{18}N_2O_2$
Molecular Weight: 294.35

| Test | Specification | Result |
|------------------------------------|---|---|
| Appearance | Maroon powder | Complies |
| Identification (Infrared Spectrum) | Consistent with structure | Complies |
| Purity (HPLC) | $\geq 97.5\%$ | 99.9% |
| Melting Point | | 215 - 217 °C |
| UV/Visible Spectrum | C = 0.01 g/l in ethanol E(640 +/- 3 NM) = 18000 (minimum) E(595 +/- 3 NM) = 15000 (minimum) | C = 0.00960 G/L, ETOH E642 = 19593 E594 = 16251 E255 = 31889 |
| Carbon Content | 71.6% - 75.3% | 72.85% |
| Hydrogen Content | | 5.84% |
| Nitrogen Content | 9.2% - 9.8% | 9.20% |

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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