



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-206004  
Lot Number: SAMPLE  
Product Name: Cresol red  
CAS Number: 1733-12-6  
Molecular Formula:  $C_{21}H_{18}O_5S$   
Molecular Weight: 382.43

| Test                | Specification  | Result               |
|---------------------|--|----------------------|
| Appearance          | Green to dark red, maroon or brown powder  | Green powder         |
| pH Transition Range | 0.5 - 2.5 (pink to yellow)<br>6.5 - 8.8 (yellow to purple)                             | Complies<br>Complies |
| Solubility          | 0.1% in 95% EtOH: Clear, yellow solution   | Complies             |
| E1%                 | 1000 - 1100 (pH 8.8, at $\lambda_{max1}$ )<br>490 - 540 (pH 6.5, at $\lambda_{max2}$ ) | 1074<br>527          |
| Loss on Drying      | $\leq 3.0\%$ (110 °C, 1h)  | 1.53%                |

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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