



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-252605
Lot Number: SAMPLE
Product Name: Chromotrope 2B
CAS Number: 548-80-1
Molecular Formula: $C_{16}H_9N_3Na_2O_{10}S_2$
Molecular Weight: 513.37

Test	Specification	Result
Appearance (Color)	Brown/red-brown/violet-brown to deep brown/red-brown/violet-brown/green-brown	Very dark brown
Appearance (Form)	Powder or crystals	Powder
Solution (Color)	Red to very deep red	Very deep red
Solution (Turbidity)		Very turbid (>200 NTU)
Extinction Coefficient	≥ 500 (UV)	502
Infrared Spectrum	Conforms to structure	Complies
Wavelength	509 - 519 nm (UV)	516.1 nm
Carbon Content	37.43% (Theory)	26.30%
Hydrogen Content	1.77% (Theory)	2.10%
Nitrogen Content	8.19% (Theory)	5.65%

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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