



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-206022
Lot Number: SAMPLE
Product Name: Chlorophenol Red
CAS Number: 4430-20-0
Molecular Formula: $C_{19}H_{12}Cl_2O_5S$
Molecular Weight: 423.27

Test	Specification	Result
Appearance	Green to very dark green and brown to very dark brown and green-brown and brown-green powder or crystals or granules or chunks	Very dark brown powder
Visual Transition Interval	pH 4.8 Yellow pH 6.4 Purple	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Identification (TLC)	Consistent With Control	Complies
Solubility	Orange to very dark orange and red-orange and clear solution at c = 10 mg/ml (1%), 95% Ethanol	Clear and dark orange
Extinction Coefficient (1)	≥ 45000	49802
Extinction Coefficient (2)	≥ 5000	6586
Extinction Coefficient (3)	≥ 12000	13586
λ_{max} 1	573 - 579 nm	575 nm
λ_{max} 2	368 - 374 nm	369 nm
λ_{max} 3	295 - 301 nm	296 nm
Carbon Content	52.5% - 56.0%	54.5 %

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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