



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-217697  
Lot Number: SAMPLE  
Product Name: Basic red 29  
CAS Number: 42373-04-6  
Molecular Formula:  $C_{19}H_{17}ClN_4S$   
Molecular Weight: 368.88

Test	Specification	Result
Appearance	Very dark red and purple to very dark purple and brown and purple-brown and red-brown powder	Very dark red powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (HPLC)		99.0%
Absorption Excitation (1)	275 - 285 nm (c = 0.009g/L, Water)	285 nm
Extinction Coefficient (1)	$\geq 2800$	2833
Absorption Excitation (2)	506 - 516 nm (c = 0.009g/L, Water)	510 nm
Extinction Coefficient (2)	$\geq 6000$	6384
Carbon Content		30.8%
Nitrogen Content		3.3%
Sulfur Content		9.6%

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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