



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-215793  
Lot Number: SAMPLE  
Product Name: Reactive black 5  
CAS Number: 17095-24-8  
Molecular Formula:  $C_{26}H_{21}N_5Na_4O_{19}S_6$   
Molecular Weight: 991.82

Test	Specification	Result
Appearance	Powder	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Absorption Excitation (1)	307 - 313 nm	310 nm
Extinction Coefficient (1)	$\geq 16400$	23352
Absorption Excitation (2)	389 - 393 nm	392 nm
Extinction Coefficient (2)	$\geq 7300$	11189
Absorption Excitation (3)	593 - 597 nm	596 nm
Extinction Coefficient (3)	$\geq 23000$	30721
Carbon Content	15.7 - 47.2%	22.9%
Nitrogen Content	3.5 - 10.6%	4.5%

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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