



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-214909  
Lot Number: SAMPLE  
Product Name: Direct red 23  
CAS Number: 3441-14-3  
Molecular Formula:  $C_{35}H_{25}N_7Na_2O_{10}S_2$   
Molecular Weight: 813.72

Test	Specification	Result
Appearance	Powder	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Absorption Excitation (1)	500 - 516 nm	506 nm
Extinction Coefficient (1)	$\geq 15000$	29648
Absorption Excitation (2)	298 - 314 nm	305 nm
Extinction Coefficient (2)	$\geq 8000$	16061
Absorption Excitation (3)	235 - 251 nm	243 nm
Extinction Coefficient (3)	$\geq 10000$	19527
Carbon Content		25.3%
Nitrogen Content		5.6%

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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