



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-214918  
Lot Number: SAMPLE  
Product Name: Disperse blue 3  
CAS Number: 2475-46-9  
Molecular Formula:  $C_{17}H_{16}N_2O_3$   
Molecular Weight: 296.32

Test	Specification	Result
Appearance	Powder	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Absorption Excitation (1)	637 - 641 nm	639 nm
Extinction Coefficient (1)	$\geq 4000$	10076
Absorption Excitation (2)	590 - 594 nm	593 nm
Extinction Coefficient (2)	$\geq 4000$	8039
Absorption Excitation (3)	251 - 257 nm	255 nm
Extinction Coefficient (3)	$\geq 11000$	18999
Absorption Excitation (4)	225 - 235 nm	233 nm
Extinction Coefficient (4)	$\geq 11000$	26387
Carbon Content	$\geq 11.0\%$	56.2%
Nitrogen Content	$\geq 1.5\%$	4.6%

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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