



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-215798  
Lot Number: SAMPLE  
Product Name: Reactive Orange 16  
CAS Number: 12225-83-1  
Molecular Formula:  $C_{20}H_{17}N_3Na_2O_{11}S_3$   
Molecular Weight: 617.54

Test	Specification	Result
Appearance	Orange to very dark orange and red to very dark red and orange-red and red-orange powder	Dark red powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (HPLC)	70%	80%
Absorption Excitation (1)	491 - 497 nm	492 nm
Extinction Coefficient (1)	$\geq 11000$	16579
Absorption Excitation (2)	385 - 391 nm	387 nm
Extinction Coefficient (2)	$\geq 6000$	9972
Absorption Excitation (3)	294 - 300 nm	296 nm
Extinction Coefficient (3)	$\geq 11000$	15921
Absorption Excitation (4)	251 - 257 nm	252 nm
Extinction Coefficient (4)	$\geq 13000$	17367

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.

Santa Cruz Biotechnology, Inc. 800.457.3801 831.457.3800 fax 831.457.3801 Europe +00800 4573 8000 49 62221 4503 0 [www.scbt.com](http://www.scbt.com)