



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-214470
Lot Number: SAMPLE
Product Name: Acid blue 25
CAS Number: 6408-78-2
Molecular Formula: $C_{20}H_{13}N_2NaO_5S$
Molecular Weight: 416.38

Test	Specification	Result
Appearance	Powder	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Identification (TLC)	Consistent with control	Complies
Solution (Color)	Dark blue at 1% in water	Complies
Absorption Excitation (1)	599 - 605 nm	602 nm
Extinction Coefficient (1)	≥ 5000	11378
Absorption Excitation (2)	254 - 260 nm	258 nm
Extinction Coefficient (2)	≥ 10000.00	26806.00
Carbon Content	$\geq 24.8\%$	54.4%
Nitrogen Content	$\geq 2.9\%$	6.1%

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