



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-214559
Lot Number: SAMPLE
Product Name: Astrazon Orange G
CAS Number: 3056-93-7
Molecular Formula: $C_{22}H_{23}ClN_2$
Molecular Weight: 350.88

Test	Specification	Result
Appearance	Red powder	Dark red powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Solution (Color)	Red-orange	Orange-red
Solution (Turbidity)	Clear to hazy	Hazy
Absorbance Ratio (3)	487 - 493 nm	492 nm
Absorption Excitation (1)	268 - 274 nm	271 nm
Extinction Coefficient (1)	≥ 3000	3892
Absorption Excitation (2)	282 - 288 nm	285 nm
Extinction Coefficient (2)	≥ 3000	3933
Extinction Coefficient (3)	≥ 19000	28252
Carbon	30.0 - 60.0%	50.3%
Nitrogen	$\geq 3.0\%$	4.0%

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