



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-216041
Lot Number: SAMPLE
Product Name: Uniblu A sodium salt
CAS Number: 14541-90-3
Molecular Formula: $C_{22}H_{15}N_2NaO_7S_2$
Molecular Weight: 506.48

Test	Specification	Result
Appearance	Blue to dark blue to dark purp or blue to very dark blue to very dark purple powder	Dark purple powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (HPLC)	$\geq 70.0\%$	94.5%
Absorption Excitation (1)	592 -598 nm (c = 0.01 g/l; water0	593 nm
Extinction Coefficient (1)	≥ 8000	10876
Absorption Excitation (2)	253 - 259 nm	256 nm
Extinction Coefficient (2)	≥ 20000	28034
Absorption Excitation (3)	224 - 230 nm	228 nm
Extinction Coefficient (3)	≥ 23000	29302
Carbon Content	$\geq 35.5\%$	48.6%
Nitrogen Content	$\geq 3.5\%$	5.0%

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.

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