



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-364690
Lot Number: SAMPLE
Product Name: Dimethylmethylene blue zinc chloride double salt
CAS Number: 931418-92-7
Molecular Formula: $C_{18}H_{22}ClN_3S \cdot 1/2ZnCl_2$
Molecular Weight: 416.05

Test	Specification	Result
Appearance	Powder	Complies
Identification (ICP)	Zinc: Complies	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Absorption Excitation (1)	646 - 652 nm	649 nm
Extinction Coefficient (1)	≥ 35000	41396
Absorption Excitation (2)	594 - 600 nm	597 nm
Extinction Coefficient (2)	≥ 25000	41551
Absorption Excitation (3)	285 - 291 nm	289 nm
Extinction Coefficient (3)	≥ 18000	31732
Absorption Excitation (4)	243 - 249 nm	246 nm
Extinction Coefficient (4)	≥ 10000	21533
Carbon Content	$\geq 40.5\%$	46.9%
Nitrogen Content	$\geq 7.9\%$	9.0%
Water Content (KF)	$\leq 20.0\%$	1.6%

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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