



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-396795
Lot Number: SAMPLE
Product Name: New Methylene Blue N
CAS Number: 1934-16-3
Molecular Formula: $C_{18}H_{22}ClN_3S$
Molecular Weight: 347.91

Test	Specification	Result
Appearance	Dark green to dark brown powder or crystals or chunk(s) or powder with chunk(s) or crystals with chunk(s)	Black powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Extinction Coefficient (1)	≥ 29000	30925
Extinction Coefficient (2)	≥ 30500.00	32498.00
λ_{max} 1	626 - 634 nm in water	627 nm
λ_{max} 2	586 - 594 nm	590 nm
Carbon Content	42.2 - 82.0%	45.4%
Nitrogen Content	8.2 - 15.9%	8.9%
Zinc	≤ 100.0 ppm	31.0 ppm

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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