



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-214663A
Lot Number: SAMPLE
Product Name: Carbol Fuchsin
CAS Number: 4197-24-4
Molecular Formula: $C_{26}H_{25}N_3O \cdot HCl$
Molecular Weight: 431.96

Test	Specification	Result
Appearance	Green to dark green-brown powder	Green powder
Solubility	Clear, red solution (0.1% in ethanol)	Complies
Dye Content	$\geq 85\%$ (Spectrophotometry)	96%
E1%	≥ 2150 (1 cm, at 552.6 nm)	2428
λ_{max}	548.0 - 553.0 nm	552.6 nm
Loss on Drying	$\leq 10.0\%$ (1h, 110 °C)	7.46%

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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