



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-215810
Lot Number: SAMPLE
Product Name: Rhodamine B base
CAS Number: 509-34-2
Molecular Formula: $C_{28}H_{30}N_2O_3$
Molecular Weight: 442.56

Test	Specification	Result
Appearance (Form)	Powder or chunks	Powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (HPLC)	$\geq 96.5\%$	99.0%
Solubility	Clear to slightly hazy, orange and red to dark red and orange-red and red-orange solution at 1 mg/ml in ethanol	Clear and orange-red solution
Absorption Excitation	542 - 546 nm	545 nm
Extinction Coefficient	≥ 103000	117347
Carbon Content	73.3 - 78.6%	75.4%
Nitrogen Content	6.1 - 6.6%	6.3%

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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