



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-215809A
Lot Number: SAMPLE
Product Name: Rhodamine 6G perchlorate
CAS Number: 13161-28-9
Molecular Formula: $C_{28}H_{30}N_2O_3 \cdot HClO_4$
Molecular Weight: 543.01

Test	Specification	Result
Appearance	Red to purple powder or crystals	Red powder
Identification (1H-NMR)		Consistent with structure
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (HPLC)	> 95%	98.7%
Extinction Coefficient	≥ 105000 (528 \pm 3 nm) ≥ 10000 (348 \pm 3 nm) ≥ 17000 (277 \pm 3 nm) ≥ 42000 (248 \pm 3 nm) ≥ 28000 (223 \pm 3 nm)	105800 (528 nm) 11100 (347 nm) 18500 (276 nm) 44700 (248 nm) 32419 (223 nm)
Carbon Content	61.0 - 62.9%	62.37%
Nitrogen Content	4.9 - 5.5%	5.16%

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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