



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-296278  
Lot Number: SAMPLE  
Product Name: Rose Bengal  
CAS Number: 11121-48-5  
Molecular Formula:  $C_{20}H_2Cl_4I_4O_5 \cdot 2Na$   
Molecular Weight: 1017.62

Test	Specification	Result
Appearance (Color)	Red to red-brown to red-purple	Dark red
Appearance (Form)	Powder	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Solution (Color)	Pink to dark red at 1 mg/ml in water	Dark red at 1 mg/ml in water
Solution (Turbidity)	Clear to slightly hazy at 1 mg/ml in water	Clear at 1 mg/ml in water
Absorption Excitation (1)	546 - 550 nm	548 nm
Extinction Coefficient (1)	$\geq 90000$	90624
Absorption Excitation (2)	311 - 315 nm	314 nm
Extinction Coefficient (2)	$\geq 11000.00$	12567.00
Absorption Excitation (3)	262 - 266 nm	263 nm
Extinction Coefficient (3)	$\geq 28500$	33174
Dye Content	$\geq 90\%$	94%

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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