



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-203757  
Lot Number: SAMPLE  
Product Name: Rose Bengal Sodium Salt  
CAS Number: 632-69-9  
Molecular Formula:  $C_{20}H_2Cl_4I_4O_5 \cdot 2Na$   
Molecular Weight: 1017.64

Test	Specification	Result
Appearance	Red to brown powder or crystals	Dark red powder
Solubility		Red to dark red solution in 0.1% water
Absorption	$\lambda_{max} = \geq 750$ (1%/1cm)	$\lambda_{max} = 930$ (1%/1cm)
Absorption Excitation	$\lambda_{max} = 540 - 550$ nm (in water + 1 mL 1% Na <sub>2</sub> CO <sub>3</sub> )	$\lambda_{max} = 548$ nm
Color Index		45440
Dye Content	$\geq 80.0\%$	92%
Loss on Drying	$\leq 15.0\%$	7.5%

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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