



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-205998A
Lot Number: SAMPLE
Product Name: Alizarin Red S
CAS Number: 130-22-3
Molecular Formula: $C_{14}H_7O_7S \cdot Na$
Molecular Weight: 342.26

Test	Result
Appearance	Brownish yellow powder
Solubility	Clear solution (1 mg/mL in H ₂ O)
Visual Transition Range	pH 4.3 (Brilliant yellow) to pH 6.3 (Pink) and pH 9.4 (Brown orange) to pH 12.0 (Violet)
Absorbance	λ_{max} 595.6 nm (0.1N NaOH): 333 λ_{max} 556.0 nm (0.1N NaOH): 369
Dye Content	73.6% (Spectrophotometry)
Loss on Drying	2.75% (110 °C)

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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