



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalogue Number	BIO-021
Product	Alizarin Red S sodium salt
Lot Number	002126-08-35 3,4-Dihydroxy-9,10-dioxo-2-anthracenesulfonic acid sodium salt
CAS Number	130-22-3
Molecular Formula	C ₁₄ H ₇ O ₇ Na
Molecular Weight	342.26
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)
Loss on Drying	2.75% (110 °C)
Dye content	73.6% (Spectrophotometry)
Application	It is used in the biochemical assay to determine the presence of calcium.
Storage	Store at RT
Additional Information	Absorptivity: λ_{max} 595.6 nm (0.1N NaOH): 333 λ_{max} 556.0 nm (0.1N NaOH): 369