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Certificate of Analysis

Catalogue Number	22889
Lot Number	002126-04-34
Product	Alizarin Red S sodium salt 3,4-Dihydroxy-9,10-dioxo-2-anthracenesulfonic acid sodium salt CI 58005
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)
UV Ratios	Absorptivity: λ_{\max} 595.0 nm (0.1N NaOH): 350 λ_{\max} 556.0 nm (0.1N NaOH): 392
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	2.72% (110 °C)
Dye content	76.5% (Spectrophotometry)
Application	It is used in the biochemical assay to determine the presence of calcium.
Storage	Store at RT
Remarks	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager