

AMERICAN COLORCHEM

Product Information

TECHNICAL DATA SHEET / Specification Sheet

Fluorescein

Molecular Formula : C₂₀H₁₂O₅
Molecular Weight : 332.31
CAS No. : 2321-07-5
Shelf Life : 5 years

Technical Specification

APPEARANCE : ORANGE TO RED-BROWN OR MAROON POWDER
INFRARED : SPECTRUM CONFORMS TO STRUCTURE AND STANDARD.
UV-VISIBLE SPECTRUM : 0.003G/L, 0.01N NAOH
E(490 +/- 2 NM) = >70,000
E(284 +/- 2 NM) = >12,000
E(238 +/- 2 NM) = >39,000
TITRATION : 94.5%-105.5% (WITH NAOH)
SOLUBILITY : 1MG/ML 1N NAOH; CLEAR ORANGE-GREEN TO ORANGE BROWN SOLUTION
SOLUBILITY : 50MG/ML, 1N NAOH; CLEAR TO OPAQUE ORANGE TO ORANGE-GREEN OR ORANGE BROWN SOLUTION