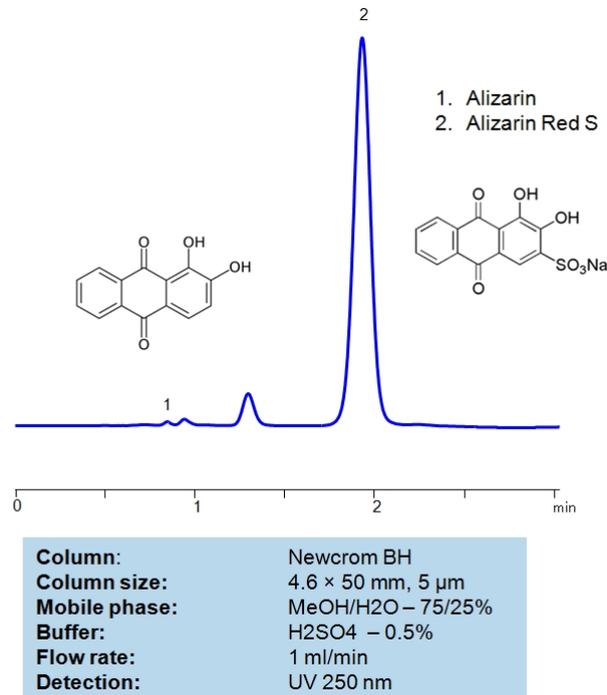


HPLC Separation of Alizarin and Alizarin Red S on Newcrom BH Column



High Performance Liquid Chromatography (HPLC) Method for Analysis of Alizarin , Alizarin Red S .

Alizarin and Alizarin Red S are both dyes with applications in locating calcium deposits in tissues. They differ in Alizarin Red S having an additional sulfonic acid group. They can be separated in HPLC using a Newcrom BH mixed-mode column using a mobile phase of methanol (MeOH) and water and sulfuric acid (H₂SO₄) as a buffer. UV detection at 250 nm.

Method Parameters

Column	Newcrom BH, 4.6 x 50 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeOH/H ₂ O – 75/25%
Buffer	H ₂ SO ₄ – 0.5%
Flow Rate	1.0 mL/min
Detection	UV 250 nm

Quelle: <https://sielc.com/hplc-determination-of-alizarin>