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## Lanthanum Alizarin Complexan Mixture

—Dissolve 47.9 mg of alizarin complexone in a mixture of 0.1 mL of ammonium hydroxide, 1.0 mL of 20% (w/v) ammonium acetate, and a few mL of water. Filter the solution into a 200-mL volumetric flask containing 8.2 g of anhydrous sodium acetate, 6.0 mL of glacial acetic acid, and enough water to dissolve the solids. Wash the filter with a small volume of water. Slowly add 100 mL of acetone while swirling. Dissolve 140.45 mg of lanthanum nitrate hexahydrate in 2.5 mL of 2 M hydrochloric acid, warming gently to aid dissolution. Transfer this solution to the 200-mL volumetric flask containing the aqueous acetone solution. Dilute with water to volume. Mix well, and readjust the volume after 30 min. This reagent is stable for one week.

**Auxiliary Information** - Please [check for your question in the FAQs](#) before contacting USP.

Topic/Question	Contact	Expert Committee
LANTHANUM ALIZARIN COMPLEXAN MIXTURE	<a href="#">Margareth R.C. Marques</a> Principal Scientific Liaison	HDQ Headquarters

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