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Toughened Silver Nitrate

» Toughened Silver Nitrate contains not less than 94.5 percent of $AgNO_3$, the remainder consisting of silver chloride (AgCl).

Packaging and storage—Preserve in tight, light-resistant containers.

Identification—

A: A solution (1 in 50) responds to the tests for *Silver* ⟨191⟩.

B: Mix a solution (1 in 10) in a test tube with 1 drop of diphenylamine TS, then carefully superimpose it upon sulfuric acid: a deep blue color appears at the zone of contact.

Copper—A solution (1 in 10) shows no trace of blue coloration when treated with an excess of 6 N ammonium hydroxide.

Assay—Add about 700 mg of Toughened Silver Nitrate, accurately weighed, to 50 mL of water, and when the silver nitrate has dissolved, filter the solution. Thoroughly wash the filter and sediment with water, add 2 mL of nitric acid and 2 mL of ferric ammonium sulfate TS to the combined filtrate and washings, and titrate with 0.1 N ammonium thiocyanate VS. Each mL of 0.1 N ammonium thiocyanate is equivalent to 16.99 mg of $AgNO_3$.

Auxiliary Information - Please check for your question in the FAQs before contacting USP.

Topic/Question	Contact	Expert Committee
TOUGHENED SILVER NITRATE	Documentary Standards Support	SM12020 Small Molecules 1
REFERENCE STANDARD SUPPORT	RS Technical Services RSTECH@usp.org	SM12020 Small Molecules 1

Chromatographic Database Information: Chromatographic Database

Most Recently Appeared In:
Pharmacopeial Forum: Volume No. Information currently unavailable

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