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**Add the following:**

## 0.001 N Silver Nitrate VS

Transfer 10 mL of [0.1 N silver nitrate VS](#) to a 1000-mL volumetric flask. Dilute with water to volume. Otherwise, dissolve about 175 mg of silver nitrate in 1000 mL of water.

### Standardization

See [Volumetric Solutions, 1. Introduction](#).

See [Titrimetry \(541\)](#).

Standardize by one of the following procedures. [NOTE—Other standardization procedures may be used. See [Volumetric Solutions, 2. Preparation and Standardization, 2.3 Standardization](#).]

**Standardization with visual endpoint:** Transfer 0.10 mL of [0.1 N sodium chloride VS](#) to a 150-mL beaker containing 50 mL of [water](#), and add 50 mL of [alcohol](#), 5 mL of [acetic acid](#), and 0.5 mL of [eosin Y TS](#). Stir, preferably with a magnetic stirrer, and titrate with the silver nitrate solution.

**Standardization with potentiometric endpoint:** Transfer 0.10 mL of [0.1 N sodium chloride VS](#) to a 150-mL beaker containing 50 mL of [water](#), and add 50 mL of [alcohol](#) and 5 mL of [acetic acid](#). Stir, preferably with a magnetic stirrer, and titrate with the silver nitrate solution using a combined silver electrode.

$$N = \frac{\text{mL NaCl} \times N \text{ NaCl}}{\text{mL AgNO}_3}$$

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[NOTE—If this volumetric solution is used in a qualitative application such as pH adjustment, dissolution medium, or diluent, its standardization is not required.]▲ (USP 1-DEC-2021)

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

Topic/Question	Contact	Expert Committee
0.001 N SILVER NITRATE VS	<a href="#">Margareth R.C. Marques</a> Principal Scientific Liaison	HDQ Headquarters

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