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Change to read:

0.05 N Silver Nitrate VS,

▲ (USP 1-Aug-2023)

Dissolve 8.75 g 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: ▲ (USP 1-Aug-2023) Transfer about 50 mg, accurately weighed, of primary or volumetric standard [sodium chloride](#), dried according to the label instructions or, if this information is not available, dried at 110° for 2 h, to a 150-mL beaker. Dissolve in 5 mL of [water](#) and add 5 mL of [acetic acid](#), 50 mL of [methanol](#), and about 0.5 mL of [eosin Y TS](#). Stir, preferably with a magnetic stirrer, and titrate with the silver nitrate solution ▲ until the silver chloride flocculates and the mixture acquires a faint pink color. ▲ (USP 1-Aug-2023)

$$N = \frac{\text{mg NaCl}}{\text{mL AgNO}_3 \times 58.44}$$

Standardization with potentiometric endpoint: Transfer about 50 mg, accurately weighed, of primary or volumetric standard [sodium chloride](#), dried according to the label instructions or, if this information is not available, dried at 110° for 2 h, to a 150-mL beaker, dissolve in 50 mL of [water](#), and add 5 mL of [acetic acid](#). Stir, preferably with a magnetic stirrer, and titrate with the silver nitrate solution using a combined silver electrode.

$$N = \frac{\text{mg NaCl}}{\text{mL AgNO}_3 \times 58.44}$$

[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-Aug-2023)

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

Topic/Question	Contact	Expert Committee
0.05 N SILVER NITRATE VS	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters

Most Recently Appeared In:

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