

Status: Currently Official on 16-Feb-2025
 Official Date: Official as of 01-Aug-2023
 Document Type: Reagents
 DocId: GUID-736CE03D-1842-4960-A7C7-7BDF9480E72A_2_en-US
 DOI: https://doi.org/10.31003/USPNF_R3414_02_01
 DOI Ref: 6410f

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Change to read:

0.05 M Sodium Arsenite VS

▲ Dissolve 6.496 g of [sodium arsenite](#) in [water](#) to make 1000 mL.

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 20.0 mL of the sodium arsenite solution to a 250-mL flask, add 5 mL of [water](#) and about 5 g of [sodium bicarbonate](#), shake well until the [sodium bicarbonate](#) is completely dissolved. Stir, preferably with a magnetic stirrer, and titrate with the [0.1 N iodine VS](#) adding 3 mL of the [starch TS](#) as the endpoint is approached.

Standardization with potentiometric endpoint: Transfer 10.0 mL of the sodium arsenite solution to a 250-mL flask, add 60 mL of [water](#) and about 5 g of [sodium bicarbonate](#), shake well until the sodium bicarbonate is completely dissolved. The amount of water can be adjusted to immerse an electrode properly. Stir, preferably with a magnetic stirrer, and titrate with the [0.1 N iodine VS](#) using a combined platinum electrode.

[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 M SODIUM ARSENITE VS	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters

Most Recently Appeared In:
 Pharmacopeial Forum: Volume No. 48(1)

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