

Status: Currently Official on 15-Feb-2025
 Official Date: Official as of 01-May-2017
 Document Type: Reagents
 DocId: GUID-4D443DA2-B7FC-4AC1-8C1F-6C73FFB46920_2_en-US
 DOI: https://doi.org/10.31003/USPNF_R3409_02_01
 DOI Ref: 58zn6

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0.01 N Iodine VS

I, 126.90
 1.269 g in 1000 mL

Dissolve about 1.4 g of [iodine](#) in a solution of 3.6 g of [potassium iodide](#) in 100 mL of [water](#), add 3 drops of [hydrochloric acid](#), and dilute with [water](#) to 1000 mL.

Standardization: Transfer 100.0 mL of iodine solution to a 250-mL flask, add 1 mL of [1 N hydrochloric acid](#), swirl gently to mix, and titrate with [0.1 N sodium thiosulfate VS](#) until the solution has a pale yellow color. Add 2 mL of [starch TS](#), and continue titrating until the solution is colorless.

Preserve in amber-colored, glass-stoppered bottles.

$$N = \frac{\text{mL Na}_2\text{S}_2\text{O}_3 \times N \text{ Na}_2\text{S}_2\text{O}_3}{100}$$

[NOTE—If this volumetric solution is used in a qualitative application such as pH adjustment, dissolution medium, or diluent, its standardization is not required.]

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

Topic/Question	Contact	Expert Committee
0.01 N IODINE VS	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters

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 Pharmacopeial Forum: Volume No. 50(1)

Current DocID: [GUID-4D443DA2-B7FC-4AC1-8C1F-6C73FFB46920_2_en-US](#)

Previous DocID: [GUID-4D443DA2-B7FC-4AC1-8C1F-6C73FFB46920_1_en-US](#)

DOI: https://doi.org/10.31003/USPNF_R3409_02_01

DOI ref: [58zn6](#)