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## 0.1 N Iodine VS

I, 126.90  
 12.69 g in 1000 mL

Dissolve about 14 g of [iodine](#) in a solution of 36 g of [potassium iodide](#) in 100 mL of [water](#), add 3 drops of [hydrochloric acid](#), and dilute with [water](#) to 1000 mL.

**Standardization:** Transfer 25.0 mL of the iodine solution to a 250-mL flask, dilute with [water](#) to 100 mL, 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.

$$N = \frac{\text{mL Na}_2\text{S}_2\text{O}_3 \times N \text{ Na}_2\text{S}_2\text{O}_3}{25}$$

[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
0.1 N IODINE VS	<a href="#">Margareth R.C. Marques</a> Principal Scientific Liaison	HDQ Headquarters

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