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## 0.1 N Potassium Hydroxide VS

Transfer 100 mL of [1 N potassium hydroxide VS](#) to a 1000-mL volumetric flask. Dilute with [carbon dioxide-free water](#) to volume.

### Standardization

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

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

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

**Standardization with visual endpoint:** Add 2 drops of [phenolphthalein TS](#) to 20 mL of [0.1 N hydrochloric acid VS](#). Titrate with the potassium hydroxide solution until a permanent pale-pink color is produced.

$$N = \frac{\text{mL HCl} \times N \text{ HCl}}{\text{mL KOH}}$$

**Standardization with potentiometric endpoint:** Accurately measure about 10 mL of [0.1 N hydrochloric acid VS](#). Add about 50 mL of [water](#). Titrate potentiometrically with the potassium hydroxide solution.

$$N = \frac{\text{mL HCl} \times N \text{ HCl}}{\text{mL KOH}}$$

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

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