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0.5 N Alcoholic Potassium Hydroxide VS

28.06 g in 1000 mL

Dissolve about 34 g of [potassium hydroxide](#) in 20 mL of [water](#), and add [aldehyde-free alcohol](#) to make 1000 mL. Allow the solution to stand in a tightly stoppered bottle for 24 h. Then quickly decant the clear supernatant into a suitable, tight container.

Standardization: Accurately measure about 25 mL of [0.5 N hydrochloric acid VS](#). Dilute with 50 mL of [water](#), add 2 drops of [phenolphthalein TS](#), and titrate with the alcoholic potassium hydroxide solution until a permanent, pale pink color is produced. [NOTE—Store in tightly stoppered bottles, protected from light.]

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

[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
0.5 N ALCOHOLIC POTASSIUM HYDROXIDE VS	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters

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