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0.02 N Sulfuric Acid VS

H_2SO_4, 98.08

Transfer 0.56 mL of sulfuric acid to a 1000-mL volumetric flask containing about 500 mL of water. Cool and dilute with water to volume.

Standardization: Accurately weigh about 50 mg of tromethamine, dried according to the label instructions or, if this information is not available, dried at 105° for 3 h. Dissolve in 50 mL of water and add 2 drops of bromocresol green TS. Titrate with the sulfuric acid solution to a pale yellow endpoint. Each 2.423 mg of tromethamine is equivalent to 1 mL of 0.02 N sulfuric acid.

$$N = \frac{\text{mg tromethamine}}{121.14 \times \text{mL } H_2SO_4}$$

[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
0.02 N SULFURIC ACID VS	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters

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