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Change to read:

0.002 M Edetate Disodium VS

▲ (USP 1-Aug-2024)

Transfer 20 mL of [0.1 M edetate disodium VS](#) to a 1000-mL volumetric flask. Dilute with [water](#) to volume.

▲Standardization

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

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

Standardize by the following procedure. [NOTE—Other standardization procedures may be used. See [Volumetric Solutions, 2. Preparation and Standardization, 2.3 Standardization](#).]

Standardization with potentiometric endpoint: Accurately weigh about 100 mg of [chelometric standard calcium carbonate](#), previously dried at 210° for 4 h and cooled in a desiccator, or dried according to the label instructions, transfer to a 500-mL volumetric flask, add 10 mL of [water](#), and swirl to form a slurry. Introduce [diluted hydrochloric acid](#) from a pipet until the calcium carbonate is completely dissolved, then dilute with [water](#) to volume. Transfer 10.0 mL of the above calcium carbonate solution into a 200-mL beaker and dilute with [water](#) to about 100 mL. Add 5 mL of [ammoniacal buffer, pH 10](#), and titrate potentiometrically with the edetate disodium solution using a combined calcium ion-selective electrode.

$$M = \frac{(g \text{ CaCO}_3)(1000)(\text{Assay}/100) \times 0.02}{100.09 \times \text{mL EDTA}}$$

where Assay is the content/potency of calcium carbonate.

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

▲ (USP 1-Aug-2024)

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

Topic/Question	Contact	Expert Committee
0.002 M EDETATE DISODIUM VS	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters

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