

MAGNESIUM CONTENT

Procedure:

The Hardness Titration test and the Calcium Titration test must be performed first.

The total milliliters of Versenate Titration solution (EDTA), 1 mL = 400 mg/L Ca⁺⁺ used in the determination of total hardness, minus the milliliters of Versenate Titration solution (EDTA) used in the determination of calcium ion, times 243 equals the mg/L of Magnesium.

Calculation:

$$\text{Mg}^{++}, \text{mg/L} = \frac{(\text{mL EDTA, Total Hardness} - \text{mL EDTA, Ca}^{++}) \times 243}{\text{mL of Filtrate}}$$

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