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Standard Methods for the Examination of Water and Wastewater - Part 4500-SO42-: Sulfate (2012)

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Abbreviation

4500-SO42-

Version

22nd Edition - 2012

Valid from

05/12/2012

Information provider

IHS Markit

Author

American Public Health Association, American Waterworks Association and Water Environment Federation

Information type

Other Standard

Format

PDF

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Description

4500-SO₄²⁻ Sulfate

- The ion chromatographic method (4110) and capillary ion electrophoresis (4140) are suitable for sulfate concentrations above 0.1 mg/L.
- The gravimetric methods (C and D) are suitable for sulfate concentrations above 10 mg/L.
- The turbidimetric method (E) is applicable in the range of 1 to 40 mg SO₄²⁻/L.
- The automated methylthymol blue methods (F and G) are the procedures for analyzing large numbers of samples for sulfate alone when the equipment is available; over 30 samples can be analyzed per hour.

Methods C, D, F, G, 4110, or 4140 are preferred for accurate results.

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