

Method Number: TM 222

Updated: 21/06/2022

Issue Number: 11

Page 1 of 1



Method Summary

Determination of Hot Water Soluble Boron in Soils (10:1 Water:soil) by ICP OES

Scope and Range

This method describes the analysis of water soluble boron extracted from solids, and analysed using ICP-OES spectrophotometry. The instrument calibration is capable of measuring levels up to 100mg/kg, with a detection limit of 1.0 mg/kg. The method is accredited to ISO17025 on soils and MCERTS on sand, clay, and loam.

References

none

Principle

Preparation and Extraction:

Dried and crushed sample is extracted with hot de-ionised water at a ratio of 10:1. The extract is filtered prior to analysis.

Analysis:

Samples are analysed using an Optical Emission Spectrometer.

Interferences

None known