

Australian Standard®

Analysis of soils

Part 2: Extraction of heavy metals and metalloids from soil by aqua regia—Hotplate digestion method

This Australian Standard was prepared by Committee CH/28, Sampling and Analysis of Soils and Biota. It was approved on behalf of the Council of Standards Australia on 15 October 1997 and published on 5 December 1997.

The following interests are represented on Committee CH/28:

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CH/28, Sampling and Analysis of Soils and Biota and is based on ISO 11466:1995, *Soil quality—Extraction of trace elements soluble in aqua regia*.

This Standard is the result of a consensus among the representatives on the Joint Committee to produce it as an Australian Standard.

The objective of this Standard is to provide a method of extraction of metals from soils by aqua regia, prior to determination by atomic absorption spectrometry, inductively coupled plasma spectrometry or other appropriate technique. The method is not suitable for speciation studies and the results do not constitute bioavailable heavy metal content of soils.

The subsequent determination should be carried out in accordance with the relevant Australian Standard.

It has been assumed that executing the provisions of this document is restricted to appropriately qualified and experienced people. This Standard calls for the use of procedures that may be hazardous or injurious to health if adequate precautions are not taken.

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