

**Markundersökningar – Extraktion av spårelement
med buffrad DTPA-lösning**

**Soil quality – Extraction of trace elements by
buffered DTPA solution**

Denna standard utgörs av den engelska versionen av den internationella standarden ISO 14870:2001 (E), Soil quality – Extraction of trace elements by buffered DTPA solution.

I denna Internationella standard specificeras en metod för extraktion av spårelement ur jordprover med buffrad dietyltriainpentaättiksyras- (DTPA) lösning. Metoden är i första hand tillämpbar för bedömning av växttillgängligt koppar, järn, mangan och zink. Metoden används företrädesvis för jordar med pH över 6. Potentiellt toxiska element, såsom kadmium, krom, nickel och bly, kan också bestämmas i extrakten.

Metoder för att mäta halterna av spårelement i extrakten specificeras inte i standarden.

I SIS "Katalog över svensk standard" framgår vilka av de publikationer som omnämns i denna standard som har fastställts som svensk standard och som har översatts till svenska.

This Swedish standard consists of the English version of ISO 14870:2001 (E), Soil quality – Extraction of trace elements by buffered DTPA solution.

This International Standard specifies a method for the extraction of trace elements in soil samples using a buffered diethyltriainepentaacetic acid (DTPA) solution. This method mainly applies to the estimation of the availability of copper, iron, manganese and zinc to plants which grow in soils. It is preferably applicable to soils having a pH greater than 6. Potentially toxic elements as cadmium, chromium, nickel and lead can also be determined in the extracts.

This International Standard does not specify the methods of measurement of the trace elements in the extracts.

Swedish standards corresponding to documents referred to in this Standard are listed in "Catalogue of Swedish Standards" issued by SIS.

Dokumentet består av 7 sidor.

Upplysningar om **sakinnehållet** i standarden lämnas av SIS, Swedish Standards Institute, tel 08 - 555 520 00.

Standarder kan beställas hos SIS Förlag AB som även lämnar **allmänna upplysningar** om svensk och utländsk standard.

Postadress: SIS Förlag AB, 118 80 STOCKHOLM
Telefon: 08 - 555 523 10. *Telefax:* 08 - 555 523 11
E-post: sis.sales@sis.se. *Internet:* www.sisforlag.se

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 14870 was prepared by Technical Committee ISO/TC 190, *Soil quality*, Subcommittee SC 3, *Chemical methods and soil characteristics*.