

DIN ISO 23753-1

**DIN**

ICS 13.080.30

Supersedes  
DIN 19733-1:1998-07

**Soil quality –  
Determination of dehydrogenase activity in soils –  
Part 1: Method using triphenyltetrazolium chloride (TTC)  
(ISO 23753-1:2005)  
English version of DIN ISO 23753-1:2006-04**

Bodenbeschaffenheit –  
Bestimmung der Dehydrogenaseaktivität in Böden –  
Teil 1: Verfahren mit Triphenyltetrazoliumchlorid (TTC) (ISO 23753-1:2005)  
Englische Fassung DIN ISO 23753-1:2006-04

Document comprises 10 pages

## **National foreword**

This standard has been prepared by ISO/TC 190 'Soil quality'.

The responsible German body involved in its preparation was the *Normenausschuss Wasserwesen* (Water Practice Standards Committee), Technical Committee NA 119-01-02 AA *Boden- und Abfalluntersuchung*.

Expert assistance and specialized laboratories will be required to perform the analysis described in this standard.

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

ISO 23753 consists of the following parts, under the general title 'Soil quality – Determination of dehydrogenase activity in soils':

- Part 1: Method using triphenyltetrazolium chloride (TTC)
- Part 2: Method using iodotetrazolium chloride (INT)

The DIN Standards corresponding to the International Standards referred to in clause 2 of the ISO Standard are as follows:

ISO 10381-6	DIN ISO 10381-6
ISO 10390	DIN ISO 10390
ISO 11259	DIN ISO 11259
ISO 11465	DIN ISO 11465

### **Amendments**

This standard differs from DIN 19733-1, July 1998 edition, as follows:

- a) A note indicating that extraction liquids other than acetone may be used has been included (cf. clause 3).
- b) Determination of the dry matter content in accordance with ISO 11465 has been included.
- c) The standard has been editorially revised.

### **Previous editions**

DIN 19733-1: 1998-07

**National Annex NA**  
(informative)

**Bibliography**

DIN ISO 10381-6, *Soil quality — Sampling — Part 6: Guidance on the collection, handling and storage of soil for the assessment of aerobic microbial processes in the laboratory*

DIN ISO 10390, *Soil quality — Determination of pH*

DIN ISO 11259, *Soil quality — Simplified soil description*

DIN ISO 11465, *Soil quality — Determination of dry matter and water content on a mass basis — Gravimetric method*