

DIN EN ISO 14240-2



ICS 13.080.30

Supersedes  
DIN ISO 14240-2:1999-10

**Soil quality –  
Determination of soil microbial biomass –  
Part 2: Fumigation-extraction method (ISO 14240-2:1997)  
English translation of DIN EN ISO 14240-2:2011-09**

Bodenbeschaffenheit –  
Bestimmung der mikrobiellen Biomasse von Böden –  
Teil 2: Fumigations-Extraktionsverfahren (ISO 14240-2:1997)  
Englische Übersetzung von DIN EN ISO 14240-2:2011-09

Qualité du sol –  
Détermination de la biomasse microbienne du sol –  
Partie 2: Méthode par fumigation-extraction (ISO 14240-2:1997)  
Traduction anglaise de DIN EN ISO 14240-2:2011-09

Document comprises 20 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

*A comma is used as the decimal marker.*

## National foreword

This standard has been prepared by Technical Committee ISO/TC 190 "Soil quality" in collaboration with Technical Committee CEN/TC 345 "Characterization of soils" (Secretariat: NEN, Netherlands).

The responsible German body involved in its preparation was the *Normenausschuss Wasserwesen* (Water Practice Standards Committee), Working Committee NA 119-01-02-04 UA *Biologische Verfahren* of NA 119-01-02 AA *Abfall- und Bodenuntersuchung*.

ISO 14240 consists of the following parts, under the general title *Soil quality — Determination of soil microbial biomass*:

— *Part 1: Substrate-induced respiration method*

— *Part 2: Fumigation-extraction method*

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

The DIN Standards corresponding to the International Standards referred to in this document are as follows:

ISO 10381-6:1993	DIN ISO 10381:2009-09
ISO 10390:1994	DIN ISO 10390:2005-12
ISO 10694:1995	DIN ISO 10694:1996-08
ISO 11274	E DIN ISO 11274:2011-01
ISO 11465:1993	DIN ISO 11465:1996-12

## Amendments

This standard differs from DIN ISO 14240-2:1999-10 as follows:

- a) ISO 14240-2 has been adopted as European Standard EN ISO 14240-2.

## Previous editions

DIN ISO 14240-2: 1999-10

**National Annex NA**  
(informative)

**Bibliography**

DIN ISO 10381-6:2009-09, *Soil quality — Sampling — Part 6: Guidance on the collection, handling and storage of soil under aerobic conditions for the assessment of microbiological processes, biomass and diversity in the laboratory*

DIN ISO 10390:2005-12, *Soil quality — Determination of pH*

DIN ISO 10694:1996-08, *Soil quality — Determination of organic and total carbon after dry combustion (elementary analysis)*

E DIN ISO 11274:2011-01, *Soil quality — Determination of the water retention characteristics — Laboratory methods*

DIN ISO 11465:1996-12, *Soil quality — Determination of dry matter and water content on a mass basis — Gravimetric method*