



BSI Standards Publication

Soil quality — Determination of dehydrogenases activity in soils

Part 2: Method using iodotetrazolium chloride (INT)

National foreword

This British Standard is the UK implementation of EN ISO 23753-2:2019+A1:2020. It is identical to [ISO 23753-2:2019](#), incorporating amendment 1:2020. It supersedes [BS EN ISO 23753-2:2019](#), which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee EH/4, Soil quality.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Amendments/corrigenda issued since publication

Date	Text affected
31 March 2021	Implementation of ISO amendment 1:2020 with CEN endorsement A1:2020: replacement of Clause 9

English Version

Soil quality - Determination of dehydrogenases activity
in soils - Part 2: Method using iodotetrazolium chloride
(INT) (ISO 23753-2:2019)

Qualité du sol - Détermination de l'activité
des déshydrogénases dans les sols - Partie
2: Méthode au chlorure de iodotétrazolium
(INT) (ISO 23753-2:2019)

Bodenbeschaffenheit - Bestimmung der
Dehydrogenaseaktivität in Böden - Teil
2: Verfahren mit Iodotetrazoliumchlorid
(INT) (ISO 23753-2:2019)

This European Standard was approved by CEN on 4 February 2019.

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EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (EN ISO 23753-2:2019) has been prepared by Technical Committee ISO/TC 190 "Soil quality" in collaboration with Technical Committee CEN/TC 444 "Test methods for environmental characterization of solid matrices" the secretariat of which is held by NEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2019, and conflicting national standards shall be withdrawn at the latest by September 2019.

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Endorsement notice

The text of ISO 23753-2:2019 has been approved by CEN as EN ISO 23753-2:2019 without any modification.

Foreword to amendment A1

This document (EN ISO 23753-2:2019/A1:2020) has been prepared by Technical Committee ISO/TC 190 "Soil quality" in collaboration with Technical Committee CEN/TC 444 "Environmental characterization of solid matrices" the secretariat of which is held by NEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2021, and conflicting national standards shall be withdrawn at the latest by May 2021.

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Endorsement notice

The text of ISO 23753-2:2019/Amd 1:2020 has been approved by CEN as EN ISO 23753-2:2019/A1:2020 without any modification.

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 190, *Soil quality*, Subcommittee SC 4, *Biological characterization*.

This second edition cancels and replaces the first edition ([ISO 23753-2:2005](http://www.iso.org/iso/23753-2:2005)), which has been technically revised. The main changes compared to the previous edition are as follows:

- a new [Clause 5](#) "Limitations" has been added;
- in [Clause 6](#), reagents and their preparation have been updated to new results (e.g. concentration of Tris buffer of 100 mmol/l at pH 7,6, incubation time between 4 h to 6 h);
- new [Tables 1](#) and [2](#) have been added;
- [Clause 10](#) "Validity criteria" has been added;
- a new [Annex A](#) "Results of modified parameters" has been added;
- references in [Clause 2](#) and the Bibliography have been updated.

A list of all the parts in the ISO 23753 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.