

STN	Zemina, upravené bioodpady a kaly Stanovenie pH (ISO 10390: 2021)	STN EN ISO 10390 83 8445
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Soil, treated biowaste and sludge - Determination of pH (ISO 10390:2021)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 05/22

Obsahuje: EN ISO 10390:2022, ISO 10390:2021

Oznámením tejto normy sa ruší
STN EN 15933 (83 8445) z januára 2013

STN ISO 10390 (46 5256) z novembra 2005

134867

EUROPEAN STANDARD

EN ISO 10390

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2022

ICS 13.080.10

Supersedes EN 15933:2012

English Version

**Soil, treated biowaste and sludge - Determination of pH
(ISO 10390:2021)**Sols, biodéchets traités et boues - Détermination du pH
(ISO 10390:2021)Boden, behandelter Bioabfall und Schlamm -
Bestimmung des pH-Werts (ISO 10390:2021)

This European Standard was approved by CEN on 12 March 2021.

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EN ISO 10390:2022 (E)

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European foreword

This document (EN ISO 10390:2022) 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of an identical text or by endorsement, at the latest by September 2022, and conflicting national standards shall be withdrawn at the latest by September 2022.

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

This document supersedes EN 15933:2012.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

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Endorsement notice

The text of ISO 10390:2021 has been approved by CEN as EN ISO 10390:2022 without any modification.

INTERNATIONAL STANDARD

ISO 10390

Third edition
2021-04

Soil, treated biowaste and sludge – Determination of pH

Sols, biodéchets traités et boues — Détermination du pH



Reference number
ISO 10390:2021(E)

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Published in Switzerland

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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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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 190, *Soil quality*, Subcommittee SC 3, *Chemical and physical characterization*.

This third edition cancels and replaces the second edition (ISO 10390:2005), which has been technically revised. The main changes compared to the previous edition are as follows:

- The content of ISO 10390:2005 and EN 15933:2012 were merged;
- The scope was widened to include sludge and treated biowaste;
- Additional validation data for soil, sludge and treated biowaste were included;
- The text was editorially revised.

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.

Soil, treated biowaste and sludge – Determination of pH

1 Scope

This document specifies an instrumental method for the routine determination of pH within the range pH 2 to pH 12 using a glass electrode in a 1:5 (volume fraction) suspension of soil, sludge and treated biowaste in either water (pH in H₂O), in 1 mol/l potassium chloride solution (pH in KCl) or in 0,01 mol/l calcium chloride solution (pH in CaCl₂).

This document is applicable to all types of air-dried soil and treated biowaste samples.

NOTE For example, pretreated in accordance with ISO 11464 or EN 16179 or EN 15002.

2 Normative references

There are no normative references in this document.

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