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Soil quality - Determination of carbon and nitrogen by near-infrared spectrometry (NIRS) (ISO 17184:2014)

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. 11/14

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Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, odbor SÚTN, 2014  
Podľa zákona č. 264/1999 Z. z. v znení neskorších predpisov sa môžu slovenské technické normy rozmnožovať a rozširovať iba so súhlasom Úradu pre normalizáciu, metrológiu a skúšobníctvo SR.

EUROPEAN STANDARD

**EN ISO 17184**

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2014

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English Version

**Soil quality - Determination of carbon and nitrogen by near-infrared spectrometry (NIRS) (ISO 17184:2014)**

Qualité du sol - Dosage du carbone et de l'azote par spectrométrie proche infrarouge (SPIR) (ISO 17184:2014)

Bodenbeschaffenheit - Bestimmung von Kohlenstoff und Stickstoff durch Nahinfrarotspektroskopie (NIRS) (ISO 17184:2014)

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## Foreword

This document (EN ISO 17184:2014) has been prepared by Technical Committee ISO/TC 190 "Soil quality" in collaboration with Technical Committee CEN/TC 345 "Characterization of soils" 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of an identical text or by endorsement, at the latest by November 2014, and conflicting national standards shall be withdrawn at the latest by November 2014.

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### Endorsement notice

The text of ISO 17184:2014 has been approved by CEN as EN ISO 17184:2014 without any modification.

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**Soil quality — Determination of  
carbon and nitrogen by near-infrared  
spectrometry (NIRS)**

*Qualité du sol — Dosage du carbone et de l'azote par spectrométrie  
proche infrarouge (SPIR)*





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## Foreword

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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](http://www.iso.org/directives)).

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The committee responsible for this document is ISO/TC 190, *Soil quality*, Subcommittee SC 3, *Chemical methods and soil characteristics*.

# Soil quality — Determination of carbon and nitrogen by near-infrared spectrometry (NIRS)

## 1 Scope

This International Standard specifies a method for the determination of carbon and nitrogen in soils by direct measurement of sample spectra in the near-infrared spectral region. The spectra are evaluated by a suitable calibration model derived from the results obtained by reference methods.

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 11464, *Soil quality — Pretreatment of samples for physico-chemical analysis*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**