

STN	Pôdne kondicionéry a pestovateľské substráty Určenie aeróbnej biologickej aktivity Časť 1: Špecifická spotreba kyslíka	STN EN 16087-1 46 5761
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Soil improvers and growing media - Determination of the aerobic biological activity - Part 1: Oxygen uptake rate (OUR)

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. 06/20

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EUROPEAN STANDARD

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English Version

Soil improvers and growing media - Determination of the aerobic biological activity - Part 1: Oxygen uptake rate (OUR)

Amendements du sol et supports de culture -
Détermination de l'activité biologique aérobie - Partie
1 : Cinétique d'absorption de l'oxygène (OUR)

Bodenverbesserungsmittel und Substrate -
Bestimmung der aeroben biologischen Aktivität - Teil
1: Sauerstoffaufnahme (OUR)

This European Standard was approved by CEN on 21 October 2019.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European Foreword

This document (EN 16087-1:2020) has been prepared by Technical Committee CEN/TC 223 “Soil improvers and growing media”, 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of an identical text or by endorsement, at the latest by July 2020, and conflicting national standards shall be withdrawn at the latest by July 2020.

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 16087-1:2011.

The main changes compared with the previous edition are as follows:

- For the balance (5.6) requirements are added;
- Clarification of sample preparation (7.1) is added;
- Formula 3 and 5 are corrected;
- The figures in Annex B have been updated;
- The Bibliography has been corrected.

SAFETY PRECAUTIONS — Care should be taken when handling substances of caustic nature or samples that may contain sharps or is of a dusty nature.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

EN 16087-1:2020 (E)**1 Scope**

This document describes a method to determine the aerobic biological activity of growing media and soil improvers or constituents thereof by measuring the oxygen uptake rate (OUR). The oxygen uptake rate is an indicator of the extent to which biodegradable organic matter is being broken down within a specified time period. The method is not suitable for material with a content of particle sizes > 10 mm exceeding 20 %.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 13039, *Soil improvers and growing media – Determination of organic matter content and ash*

EN 13040, *Soil improvers and growing media – Sample preparation for chemical and physical tests, determination of dry matter content, moisture content and laboratory compacted bulk density*

EN 45501, *Metrological aspects of non-automatic weighing instruments*

EN ISO 3696, *Water for analytical laboratory use – Specification and test methods (ISO 3696)*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN