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Plastics — Determination of the ultimate aerobic biodegradability of plastic materials in soil by measuring the oxygen demand in a respirometer or the amount of carbon dioxide evolved

(ISO 17556:2019)

Kunststoffe — Bestimmung der vollständigen aeroben Bioabbaubarkeit von Kunststoffmaterialien im Boden durch Messung des Sauerstoffbedarfs in einem Respirometer oder der Menge des entstandenen Kohlendioxids (ISO 17556:2019)

Plastiques — Détermination de la biodégradabilité aérobie ultime des matériaux plastiques dans le sol par mesure de la demande en oxygène dans un respiromètre ou de la teneur en dioxyde de carbone libéré (ISO 17556:2019)

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English Version

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biodegradability of plastic materials in soil by measuring
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Respirometer oder der Menge des entstandenen
Kohlendioxids (ISO 17556:2019)

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European foreword

This document (EN ISO 17556:2019) has been prepared by Technical Committee ISO/TC 61 "Plastics" in collaboration with Technical Committee CEN/TC 249 "Plastics" the secretariat of which is held by NBN.

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of an identical text or by endorsement, at the latest by November 2019, and conflicting national standards shall be withdrawn at the latest by November 2019.

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Endorsement notice

The text of ISO 17556:2019 has been approved by CEN as EN ISO 17556:2019 without any modification.

ÖNORM

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Third edition
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Plastics — Determination of the ultimate aerobic biodegradability of plastic materials in soil by measuring the oxygen demand in a respirometer or the amount of carbon dioxide evolved

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Foreword

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This document was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 14, *Environmental aspects*.

This third edition cancels and replaces the second edition (ISO 17556:2012), which has been technically revised. The main changes compared to the previous edition are as follows:

- a) the unit for BOD, COD and DIC has been corrected (see [Clause 3](#));
- b) the formula for calculating the percent biodegradation has been modified (see [9.1.1](#));
- c) the test period has been revised to two years at the longest (see [Clause 4](#));
- d) the number of replicates has been corrected to three (see [9.2](#)).

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