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Third edition
2019-10

Plastics — Determination of the degree of disintegration of plastic materials under defined composting conditions in a pilot-scale test

Plastiques — Détermination du degré de désintégration des matériaux plastiques dans des conditions de compostage définies lors d'un essai à échelle pilote



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Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	2
5 Apparatus	3
6 Test procedure	4
6.1 Actions before and during incubation.....	4
6.1.1 Start-up of the test.....	4
6.1.2 Turning.....	5
6.1.3 Termination of the test.....	5
6.2 Analysis and process control.....	6
6.2.1 Start-up of the test.....	6
6.2.2 During the test.....	7
6.2.3 Termination of the test.....	7
7 Calculation	8
8 Validity of the test	8
9 Test report	8
Bibliography	10

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).

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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 16929:2013), which has been technically revised.

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

- in [6.1.1](#), the minimum amount of biowaste has been changed to 30 kg from 60 kg due to the decreasing size of composting bins;
- in [6.2.2.3](#) and [Clause 8](#), the temperature profile has been changed to new conditions adopted to small bins.

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.

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Introduction

The biological treatment of biodegradable plastic materials includes aerobic composting in well-operated, municipal or industrial biological waste treatment facilities. Determining the degree of disintegration of plastic materials in a pilot-scale plant is an important step within a test scheme to evaluate the compostability of such materials.