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**Determination of the ultimate aerobic  
biodegradability of plastic materials  
under controlled composting  
conditions — Method by analysis of  
evolved carbon dioxide —**

**Part 2:  
Gravimetric measurement of carbon  
dioxide evolved in a laboratory-scale  
test**

*Détermination de la biodégradabilité aérobie ultime des matériaux  
plastiques dans des conditions contrôlées de compostage — Méthode  
par analyse du dioxyde de carbone libéré —*

*Partie 2: Mesurage gravimétrique du dioxyde de carbone libéré lors  
d'un essai de laboratoire*



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CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Fax: +41 22 749 09 47  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

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

This second edition cancels and replaces the first edition (ISO 14855-2:2007), which has been technically revised. It also incorporates the Technical Corrigendum ISO 14855-2:2007/Cor.1:2009.

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

- The correct values for the particle size of soda talc given in the Technical Corrigendum 1 ISO 14855-2:2007/Cor.1:2009 have been adopted.
- The following numbers of composting vessels have been provided:
  - a) three test vessels for the test mixture;
  - b) three vessels for blank controls;
  - c) three vessels for checking inoculum activity using a reference material.
- The next criterion has been added to the list of validity criteria in [Clause 10](#):
  - c) the inoculum in the blank has produced more than 50 mg but less than 150 mg of carbon dioxide per gram of volatile solids (mean values) after 10 days of incubation.

A list of all parts in the ISO 14855 series can be found on the ISO website.

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](http://www.iso.org/members.html).