



BSI Standards Publication

Solid recovered fuels — Determination of the current rate of aerobic microbial activity using the real dynamic respiration index

National foreword

This British Standard is the UK implementation of EN 15590:2011. It supersedes DD CEN/TS 15590:2007 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PTI/17, Solid biofuels.

A list of organizations represented on this committee can be obtained on request to its secretary.

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English Version

**Solid recovered fuels - Determination of the current rate of
aerobic microbial activity using the real dynamic respiration
index**

Combustibles solides de récupération - Détermination du
taux d'activité microbienne utilisant l'indice de respiration
dynamique

Feste Sekundärbrennstoffe - Bestimmung des aktuellen
Grades aerober mikrobieller Aktivität mittels des realen
dynamischen Respirationsindex

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Foreword

This document (EN 15590:2011) has been prepared by Technical Committee CEN/TC 343 “Solid recovered fuels”, the secretariat of which is held by SFS.

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of an identical text or by endorsement, at the latest by March 2012, and conflicting national standards shall be withdrawn at the latest by March 2012.

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This document supersedes CEN/TS 15590:2007.

The following changes have been introduced:

- title and scope change; potential microbial self-heating is revised by current rate of aerobic microbial activity;
- results of inter-laboratory tests supplemented as an informative Annex C.

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Introduction

This document specifies the method used for the determining the current rate of aerobic microbial activity of SRF using the real dynamic respirator index.

The current rate of aerobic microbial activity measures the biological stability under the actual chemical and physical properties of the SRF. The biological stability determines the extent to which readily biodegradable organic matter has decomposed. Therefore, the *RDRI* identifies the actual point reached in the decomposition process and represents a gradation on a recognised scale of values.