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Irish Standard I.S. EN 16168:2012

# Sludge, treated biowaste and soil -Determination of total nitrogen using dry combustion method

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### I.S. EN 16168:2012

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I.S. EN 16168:2012

# EUROPEAN STANDARD NORME EUROPÉENNE

## EN 16168

# EUROPÄISCHE NORM

August 2012

ICS 13.030.01; 13.080.10

**English Version** 

# Sludge, treated biowaste and soil - Determination of total nitrogen using dry combustion method

Boues, biodéchets traités et sols - Détermination de la teneur totale en azote par combustion sèche

Schlamm, behandelter Bioabfall und Boden - Bestimmung des Gesamt-Stickstoffgehalts mittels trockener Verbrennung

This European Standard was approved by CEN on 24 May 2012.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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### I.S. EN 16168:2012

EN 16168:2012 (E)

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#### I.S. EN 16168:2012

## Foreword

This document (EN 16168:2012) has been prepared by Technical Committee CEN/TC 400 "Project Committee - Horizontal standards in the fields of sludge, biowaste and soil", the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by February 2013, and conflicting national standards shall be withdrawn at the latest by February 2013.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

The preparation of this document by CEN is based on a mandate by the European Commission (Mandate M/330), which assigned the development of standards on sampling and analytical methods for hygienic and biological parameters as well as inorganic and organic determinants, aiming to make these standards applicable to sludge, treated biowaste and soil as far as this is technically feasible.

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

EN 16168:2012 (E)

## Introduction

This European Standard is applicable and validated for several types of matrices as indicated in Table 1 (see also Annex A for the results of the validation).

Matrix	Materials used for validation
Sludge	Municipal sludge
Biowaste	Fresh compost
	Compost
Soil	Sludge amended soil
	Agricultural soil

Table 1 — Matrices for which this European Standard is applicable and validated

WARNING — Persons using this European Standard should be familiar with usual laboratory practice. This European Standard does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health practices and to ensure compliance with any national regulatory conditions.

**IMPORTANT** — It is absolutely essential that tests conducted according to this European Standard be carried out by suitably trained staff.



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