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Standards

Irish Standard
I.S. EN 1744-8:2012

Tests for chemical properties of aggregates - Part 8: Sorting test to determine metal content of Municipal Incinerator Bottom Ash (MIBA) Aggregates

I.S. EN 1744-8:2012

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English Version

Tests for chemical properties of aggregates - Part 8: Sorting test to determine metal content of Municipal Incinerator Bottom Ash (MIBA) Aggregates

Tests sur les propriétés chimiques des granulats - Partie 8:
Essai de comptage des particules métalliques contenues
dans les granulats provenant de mâchefers issus
d'incinérateurs municipaux

Prüfverfahren für chemische Eigenschaften von
Gesteinskörnungen - Teil 8: Sortierverfahren zur
Bestimmung des Metallgehalts in
Hausmüllverbrennungsgasche (HMV-Asche)

This European Standard was approved by CEN on 13 July 2012.

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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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Contents

Page

Foreword	3
1 Scope.....	4
2 Normative references	4
3 Definitions.....	4
4 Principle	5
5 Apparatus	5
6 Preparation of subsample	6
7 Procedure	6
7.1 Further reduction of the subsample	6
7.2 Separating into size fractions	7
7.3 Separating metallic particles	7
7.4 Weight of metallic particles	7
8 Calculation and expression of results	7
9 Test report	8
9.1 Required data	8
9.2 Optional data	8
Annex A (informative) Supplementary method for preparing the particle size fractions using crushing and sieving	9
A.1 General	9
A.2 Procedure	9
A.2.1 32/63 mm size fraction.....	9
A.2.2 16/32 mm size fraction.....	9
A.2.3 4/16 mm size fraction.....	9
A.3 Weight of metallic particles	10
A.4 Calculations and test report	10
Bibliography	11

Foreword

This document (EN 1744-8:2012) has been prepared by Technical Committee CEN/TC 154 "Aggregates", the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by February 2013, and conflicting national standards shall be withdrawn at the latest by February 2013.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

This document forms part of a series of tests for chemical properties of aggregates. Test methods for other properties of aggregates will be covered by the following European Standards:

- EN 932, *Tests for general properties of aggregates*
- EN 933, *Tests for geometrical properties of aggregates*
- EN 1097, *Tests for mechanical and physical properties of aggregates*
- EN 1367, *Tests for thermal and weathering properties of aggregates*

The other parts of EN 1744, Tests for chemical properties of aggregates, are:

- *Part 1: Chemical analysis*
- *Part 3: Preparation of eluates by leaching of aggregates*
- *Part 4: Determination of water susceptibility of fillers for bituminous mixtures*
- *Part 5: Determination of acid soluble chloride salts*
- *Part 6: Determination of the influence of recycled aggregate extract on the initial setting time of cement*
- *Part 7: Determination of loss of ignition of Municipal Incinerator Bottom Ash Aggregate (MIBA Aggregate)*

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1 Scope

This European Standard specifies a simple method for the examination of Municipal Incinerator Bottom Ash (MIBA) Aggregates for the purpose of estimating the relative proportions of metallic constituents.

This European Standard describes the reference methods used for type testing and, in case of dispute, for estimating the relative proportions of aluminium or other metallic constituents of MIBA Aggregates. For other purposes, in particular factory production control, other methods may be used provided that an appropriate working relationship with the reference method has been established.

NOTE MIBA Aggregates can also contain agglomerates which only contain a portion of metal. A supplementary method for preparation of a test portion containing agglomerated particles, using crushing and sieving, is given in Annex A (normative).

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 932-1, *Test for general properties of aggregates — Part 1: Methods for sampling*

EN 932-2, *Test for general properties of aggregates — Part 2: Methods for reducing laboratory samples*

EN 932-5, *Test for general properties of aggregates — Part 5: Common equipment and calibration*

EN 933-1, *Test for geometrical properties of aggregates — Part 1: Determination of particle size distribution — Sieving method*

EN 933-2, *Test for geometrical properties of aggregates — Part 2: Determination of particle size distribution — Test sieves, nominal size of apertures*

3 Terms and definitions

For the purpose of this standard, the following definitions apply:

3.1

laboratory sample

sample intended for laboratory testing

3.2

subsample

sample obtained by means of a sample reduction procedure

3.3

constant mass

mass determined by successive weighings performed at least 1 h apart and not differing by more than 0,1 %

Note 1 to entry: In many cases, constant mass can be achieved after a test portion has been dried for a pre-determined period in a specified oven at (110 ± 5) °C. Test laboratories can determine the time required to

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