

Methods of sampling and test for

Carbonaceous materials for use in aluminium manufacture —

Part 2: Electrode coke —

Section 2.15 Determination of grain
stability of calcined coke using a
laboratory vibration mill

ICS 71.100.10

Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee CII/24, Raw materials for the aluminium industry, upon which the following bodies were represented:

- Aluminium Federation
- British Ceramic Research Ltd.
- Chemical Industries Association
- Institute of Petroleum
- Refractories Association of Great Britain

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National foreword

This British Standard has been prepared by Technical Committee CII/24 and is identical with ISO 10142:1996 *Carbonaceous materials for use in the production of aluminium — Calcined coke — Determination of grain stability using a laboratory vibration mill*, published by the International Organization for Standardization (ISO).

Part 2 of BS 6043 provides methods of test for electrode coke as follows:

Section	Subject	
2.1	Sampling	ISO 6375
2.2	Ash content of green and calcined cokes	ISO 8005
2.3	Ash analysis (AAS) ^a	—
2.4	Ash analysis (XRF) ^a	—
2.5	Apparent density and porosity	—
2.6	Density (xylene method)	ISO 8004
2.7	Oil content (gravimetric method)	ISO 6997
2.8	Oil content (extraction method)	ISO 8723
2.9	Sieve analysis ^a	—
2.10	Electrical resistivity of calcined coke granules	ISO 10143
2.11	Volatile matter content	ISO 9406
2.12	Particle size distribution of fine coke (laser diffraction method)	No equivalent international standard
2.13	Determination of tapped bulk density of green and calcined coke	ISO 10236
2.14	Determination of bulk density after vibration ^a	
2.15	Determination of grain stability of calcined coke using a laboratory vibration mill	ISO 10142

^a In preparation.

Cross-reference

Publication referred to	Corresponding British Standard
ISO 6375:1980	BS 6043 <i>Methods of sampling and test for carbonaceous materials used in aluminium manufacture</i> Section 2.1 <i>Sampling</i> (Identical)

A related British Standard to ISO 3310-1:1990 is BS 410:1986 *Specification for test sieves*.

This standard describes a method of test only, and should not be used or quoted as a specification defining the characteristics of a product. Reference to this Section should indicate that the method of test is in accordance with BS 6043-2.13:1995

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 6, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.