

Methods of sampling and test for

Carbonaceous materials used in aluminium manufacture —

Part 2: Electrode coke —

Section 2.10 Determination of electrical
resistivity of calcined coke granules

ICS 71.100.10

Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee C11/24, 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 C11/24 and is identical with ISO 10143:1995 *Carbonaceous materials for the production of aluminium — Calcined coke for electrodes — Determination of the electrical resistivity of granules* published by the International Organization for Standardization (ISO) and in the preparation of which the United Kingdom played a full part.

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

Section	Subject	Identical with
2.1	Sampling	ISO 6375
2.2	Ash content of Green and calcined coke	ISO 8005
2.3	Ash analysis (AAS) ^a	—
2.4	Ash analysis (XRF) ^a	—
2.5	Apparent density and porosity ^a	—
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 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 calcined coke	ISO 10236

^a In preparation

Cross-references

Publication referred to	Corresponding British Standard
	BS 6043 <i>Methods of sampling and test for carbonaceous materials used in aluminium manufacture</i>
ISO 6375:1990	Part 2: <i>Electrode coke</i> Section 2.1:1985 <i>Sampling</i> (Identical)
ISO 8723:1986	Section 2.8:1987 <i>Determination of oil content by solvent extraction of calcined coke</i> (Identical)

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.