

Methods of sampling and test for carbonaceous materials used in aluminium manufacture —

Part 2: Electrode coke —

Section 2.16 Determination of water content of calcined coke

ICS 71.100.10; 75.160.10

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Amendments issued since publication

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National foreword

This British Standard is the UK implementation of ISO 11412:1998.

The UK participation in its preparation was entrusted to Technical Committee CII/24, Raw materials for the aluminium industry, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

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

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

Section	Subject	
2.1	Sampling	ISO 6375
2.2	Determination of ash content of green and calcined cokes	ISO 8005
2.3	Determination of trace elements in green and calcined coke by flame atomic absorption spectroscopy	ISO 8658
2.4	Ash analysis by X-ray fluorescence spectroscopy(XRF)	ISO 12980
2.5	Apparent density and porosity	—
2.6	Determination of the density in xylene of calcined cokes	ISO 8004
2.7	Determination of the apparent oil content of calcined cokes (gravimetric method)	ISO 6997
2.8	Determination of the oil content by solvent extraction of calcined cokes	ISO 8723
2.9	Sieve analysis	—
2.10	Determination of electrical resistivity of calcined coke granules	ISO 10143
2.11	Determination of volatile matter content	ISO 9406
2.12	Determination of particle size distribution of fine coke (laser diffraction method)	—
2.13	Determination of tapped bulk density of green and calcined coke	ISO 10236
2.14	Determination of bulk density after vibration	ISO 10480
2.15	Determination of grain stability of calcined coke using a laboratory vibration mill	ISO 10142
2.16	Determination of water content of calcined coke	ISO 11412

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, the ISO title page, pages ii to iv, pages 1 and 2 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.