BRITISH STANDARD

BS EN ISO 10058-1:2008

Chemical analysis of magnesite and dolomite refractory products (alternative to the X-ray fluorescence method)

Part 1: Apparatus, reagents, dissolution and determination of gravimetric silica (ISO 10058-1:2008)

ICS 73.080; 81.080

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National foreword

This British Standard is the UK implementation of EN ISO 10058-1:2008. It partially supersedes BS EN ISO 10058:1996.

Together with BS EN ISO 10058-2 and BS EN ISO 10058-3, it supersedes BS EN ISO 10058:1996 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee RPI/1, Refractory products and materials.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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English Version

Chemical analysis of magnesite and dolomite refractory products (alternative to the X-ray fluorescence method) - Part 1: Apparatus, reagents, dissolution and determination of gravimetric silica (ISO 10058-1:2008)

Analyse chimique des produits de magnésie et de dolomie (méthode alternative à la méthode par fluorescence de rayons X) - Partie 1: Appareillage, réactifs, mise en solution et détermination de la teneur en silice par gravimétrie (ISO 10058-1:2008)

Chemische Analyse von feuerfesten Erzeugnissen aus Magnesit und Dolomit (Alternative zur Röntgenfluoreszenzanalyse) - Teil 1: Geräte, Reagenzien, Aufschluss und gravimetrische Bestimmung von Silicium(IV)-oxid (ISO 10058-1:2008)

This European Standard was approved by CEN on 1 November 2008.

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Foreword

This document (EN ISO 10058-1:2008) has been prepared by Technical Committee ISO/TC 33 "Refractories" in collaboration with Technical Committee CEN/TC 187 “Refractory products and materials” 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of an identical text or by endorsement, at the latest by June 2009, and conflicting national standards shall be withdrawn at the latest by June 2009.

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 supersedes EN ISO 10058:1996.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of ISO 10058-1:2008 has been approved by CEN as a EN ISO 10058-1:2008 without any modification.

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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ISO 10058-1 was prepared by Technical Committee ISO/TC 33, *Refractories*.

This first edition of ISO 10058-1, together with ISO 10058-2 and ISO 10058-3, cancels and replaces ISO 10058:1992 which has been technically revised to include the increasing use of flame atomic absorption spectrophotometry (FAAS) and inductively coupled plasma atomic emission spectrometry (ICP-AES) methods as well some improvements in the wet chemical analyses procedures developed in Japan.

ISO 10058 consists of the following parts, under the general title *Chemical analysis of magnesite and dolomite refractory products (alternative to the X-ray fluorescence method)*:

— *Part 1: Apparatus, reagents, dissolution and determination of gravimetric silica*

— *Part 2: Wet chemical analysis*

— *Part 3: Flame atomic absorption spectrophotometry (FAAS) and inductively coupled plasma atomic emission spectrometry (ICP-AES)*

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