BRITISH STANDARD

BS ISO 4689-3:2004

Iron ores — Determination of sulfur content —

Part 3: Combustion/infrared method

ICS 73.060.10

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

Document Sharing Hub
British Standards

Full document details: BS ISO 4689-3:2004

National foreword

This British Standard reproduces verbatim ISO 4689-3:2004 and implements it as the UK national standard.

The UK participation in its preparation was entrusted to Technical Committee ISE/58, Iron ores, 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.

Cross-references

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

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

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, the ISO title page, pages ii to v, a blank page, pages 1 to 14, an inside back cover and a back cover.

The BSI copyright notice displayed in this document indicates when the document was last issued.

Amendments issued since publication

Amd. No.	Date	Comments

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 1 April 2004

© BSI 1 April 2004

ISBN 0 580 43634 9

Documents
Document Sharing Hub

Full document details: BS ISO 4689-3:2004

INTERNATIONAL STANDARD

ISO 4689-3

First edition
2004-04-01

Iron ores — Determination of sulfur content —

Part 3: Combustion/infrared method

Minerais de fer — Dosage du soufre —

Partie 3: Méthode par combustion et infrarouge

Reference number
ISO 4689-3:2004(E)

Documents
Document Sharing Hub

Full document details: BS ISO 4689-3:2004

Documents
Document Sharing Hub
Full document details: BS ISO 4689-3:2004

Contents

Page

1 Scope 1
2 Normative references 1
3 Principle 1
4 Reagents 2
5 Apparatus 2
6 Sampling and samples 5
7 Procedure 5
8 Expression of results 6
9 Test report 9
Annex A (normative) Flowsheet of the procedure for the acceptance of analytical values for test samples 10
Annex B (informative) Derivation of repeatability and permissible tolerance equations 11
Annex C (informative) Precision data obtained by international analytical trial 12
Bibliography 14

Documents
Document Sharing Hub

Full document details: BS ISO 4689-3:2004

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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 4689-3 was prepared by Technical Committee ISO/TC 102, *Iron ore and direct reduced iron*, Subcommittee SC 2, *Chemical analysis*.

This first edition, in part cancels and replaces ISO 4690:1986, which has been technically revised.

ISO 4689 consists of the following parts, under the general title *Iron ores — Determination of sulfur content*:

— *Part 2: Combustion/titration method*

— *Part 3: Combustion/infrared method*

The following part is under preparation:

— *Part 1: Barium sulfate gravimetric method*

Documents
Document Sharing Hub
Full document details: BS ISO 4689-3:2004

Introduction

This part of ISO 4689 is a new procedure. ISO 4689-2 was originally published as ISO 4690:1986, *Iron ores — Determination of sulfur content — Combustion method*. Under a policy of rationalization of the numbering system used in ISO/TC 102, it has been decided to re-designate ISO 4690:1986 as ISO 4689-2. It was further decided to introduce a combustion/infrared method, numbered ISO 4689-3, i.e. this part of ISO 4689.

When next revised, ISO 4689:1986, *Iron ores — Determination of sulfur content — Barium sulfate gravimetric method*, will be re-designated 4689-1.

Documents
Document Sharing Hub

Full document details: BS ISO 4689-3:2004

blank

Documents
Document Sharing Hub
Full document details: BS ISO 4689-3:2004