

This is a preview of "ISO 10204:2015". Click here to purchase the full version from the ANSI store.

Third edition 2015-08-01

Iron ores — Determination of magnesium — Flame atomic absorption spectrometric method

Minerais de fer — Dosage du magnésium — Méthode par spectrométrie d'absorption atomique dans la flamme



Reference number ISO 10204:2015(E)

ISO 10204:2015(E)

This is a preview of "ISO 10204:2015". Click here to purchase the full version from the ANSI store.



COPYRIGHT PROTECTED DOCUMENT

 $\, @ \,$ ISO 2015, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office Ch. de Blandonnet 8 • CP 401 CH-1214 Vernier, Geneva, Switzerland Tel. +41 22 749 01 11 Fax +41 22 749 09 47 copyright@iso.org www.iso.org This is a preview of "ISO 10204:2015". Click here to purchase the full version from the ANSI store.

Contents			
Forev	vord		iv
1	Scop	e	1
2	•	native references	
_			
3		ciple	
4	_	gents	
5	Appa	nratus	3
6	Sampling and samples		
	6.1	Laboratory sample	
	6.2	Preparation of predried test samples	4
7	Procedure		
	7.1	Number of determinations	4
	7.2	Test portion	
	7.3	Blank test and check test	
		7.3.1 Blank test	
	7.4	7.3.2 Check test	
	7.4	Determination	
		7.4.1 Decomposition of the test portion	5
		7.4.3 Preparation of the test solution	
		7.4.4 Adjustment of the atomic absorption spectrometer	
		7.4.5 Atomic absorption measurements	
8	Expression of results		
0	8.1	Calculation of mass fraction of magnesium	
	8.2	General treatment of results	
	0.2	8.2.1 Repeatability and permissible tolerance	
		8.2.2 Determination of analytical result	
		8.2.3 Between-laboratories precision	
		8.2.4 Check for trueness	8
		8.2.5 Calculation of final result	
	8.3	Oxide factor	9
9	Test	report	9
Anne		ormative) Flowsheet of the procedure for the acceptance of analytical values for samples	10
Anne	x B (in	formative) Derivation of repeatability and permissible tolerance equations	11
Anne	x C (in	formative) Precision data obtained by international analytical trials	12
Bibliography			13

This is a preview of "ISO 10204:2015". Click here to purchase the full version from the ANSI store.

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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information.

The committee responsible for this document is ISO/TC 102, *Iron ore and direct reduced iron*, Subcommittee SC 2, *Chemical analysis*.

This third edition cancels and replaces the second edition (ISO 10204:2006), which has been technically revised.