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# Iron ores — Determination of various elements by X-ray fluorescence spectrometry —

## Part 1: Comprehensive procedure

*Minerais de fer — Dosage de divers éléments par spectrométrie de fluorescence de rayons X —*

*Partie 1: Procédure détaillée*



Reference number  
ISO 9516-1:2003(E)

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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.

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 9516-1 was prepared by Technical Committee ISO/TC 102, *Iron ore and direct reduced iron*, Subcommittee SC 2, *Chemical analysis*.

This first edition, together with ISO 9516-2, cancels and replaces ISO 9516:1992 by the augmentation of the range of elements under analysis and the diversification into two procedures.

ISO 9516 consists of the following parts, under the general title *Iron ores — Determination of various elements by X-ray fluorescence spectrometry*:

- *Part 1: Comprehensive procedure*
- *Part 2: Simplified procedure*

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## Introduction

In this part of ISO 9516, Table 1 indicates that some determinations may be used for referee purposes and others for routine analysis only.

A simplified procedure for routine use with all determination will be published in ISO 9516-2.