FINAL
DRAFT

INTERNATIONAL STANDARD

ISO/FDIS 15968

ISO/TC **102**/SC **3**

Secretariat: **ABNT**

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Direct reduced iron — Determination of apparent density and water absorption of hot briquetted iron (HBI)

Minerais de fer préréduits — Détermination de la masse volumique apparente et de l'absorption d'eau du fer briqueté à chaud

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In accordance with the provisions of Council Resolution 15/1993, this document is **circulated in the English language only**.

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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 15968 was prepared by Technical Committee ISO/TC 102, *Iron ore and direct reduced iron*, Subcommittee SC 3, *Physical testing*.

This second edition cancels and replaces the first edition (ISO 15968:2000), which has been revised to homogenise with other physical test standards.

Introduction

The test method in this International Standard has been developed to evaluate the resistance of direct reduced iron in the form of hot briquetted iron (HBI).

The results of this test should be considered in conjunction with other tests used to evaluate the quality of products from direct reduction processes.

This International Standard may be used to provide test results as part of a production quality-control system, as a basis of a contract, or as part of a research project.

The apparent density measured in this test may be used to certify that the HBI meets the apparent density requirements of the International Maritime Organization (IMO) Code of Safe Practice for Solid Bulk Cargoes.