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

*Minerais de fer pré-réduits — Détermination de la masse volumique
apparente et de l'absorption d'eau du fer briqueté à chaud*



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Foreword

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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 3, *Physical testing*.

This second edition cancels and replaces the first edition (ISO 15968:2000), which has been technically revised with the following changes:

- to homogenize its structure and wording with other physical test standards;
- to contemplate the outcomes of the studies on mass definition.

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Introduction

This test method has been developed to determine the apparent density and water absorption of direct reduced iron in the form of hot briquetted iron (HBI).

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

This International Standard can 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 can 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.