INTERNATIONAL STANDARD

ISO 2597-2

Third edition
2019-04

Iron ores — Determination of total iron content —

Part 2: Titrimetric methods after titanium(III) chloride reduction

Minerais de fer — Dosage du fer total —

Partie 2: Méthodes titrimétriques après réduction au chlorure de titane(III)

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Foreword

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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).

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

This third edition cancels and replaces the second edition (ISO 2597-2:2015), which has been technically revised with the following changes:

- the Scope has been reworded to describe the second method using perchloric acid;
- a terms and definitions clause has been added as Clause 3 and the subsequent clauses have been renumbered accordingly;
- in 4.2 (previously 3.2) a description of the second method using perchloric acid has been added;
- in the second paragraph of 4.1.1 (previously 3.1.1), "water more hydrochloric acid" has been replaced with "water and hydrochloric acid";
- in 5.19 (previously 4.19), "5,58" has been replaced with "7,978 1";
- Clause 5, potassium disulfate ($K_2S_2O_7$) has been added as a reagent (5.23);
- in the sixth paragraph of 8.5.1.1 (previously 7.5.1.1), "4.20" has been replaced with "5.23";
- in the description for V_1 in 9.1 (previously 8.1), "4.13" has been replaced with "5.20";
- in 9.2.4 (previously 8.2.4), Formula (8) and the relevant descriptions have been modified to harmonize this subclause across all International Standards for which ISO/TC 102/SC 2 is responsible.

A list of all parts in the ISO 2597 series can be found on the ISO website.

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