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Third edition
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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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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.

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