BS EN 10177:2019

BSI Standards Publication

Steels - Determination of calcium content - Flame atomic absorption spectrometric method (FAAS)

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National foreword

This British Standard is the UK implementation of EN 10177:2019. It supersedes BS 6200-3.7.1:1987, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee ISE/102, Methods of Chemical Analysis for Iron and Steel.

A list of organizations represented on this committee can be obtained on request to its secretary.

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EUROPÄISCHE NORM

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English Version

Steels - Determination of calcium content - Flame atomic absorption spectrometric method (FAAS)

Aciers - Détermination de la teneur en calcium - Méthode par spectrométrie d'absorption atomique dans la flamme (SAAF)

Stahl - Bestimmung des Calciumgehalt - Flammenatomabsorptionsspektrometrisches Verfahren (FAAS)

This European Standard was approved by CEN on 22 April 2019.

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European foreword

This document (EN 10177:2019) has been prepared by Technical Committee CEN/TC 459 "ECISS - European Committee for Iron and Steel Standardization"[1], the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 2019, and conflicting national standards shall be withdrawn at the latest by December 2019.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 10177:1989.

In comparison with EN 10177:1989, the following significant technical changes were made:

— Clause 1: limits of the scope changed;

— Normative references: revised;

— Clause 4: possibility for using aqua regia for the dissolution and other suitable radiation sources added;

— Clause 5: preparation of iron base solution added;

— 8.3: details regarding the preparation of the test solution added

— 8.3.3: calibration solutions expanded;

— 8.3.5 and Clause 9: bracketing method for the spectrometric measurements added;

— Clause 10: editorially updated;

— Bibliography: added.

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[1] Through its subcommittee SC 2 "Methods of chemical analysis for iron and steel" (secretariat: SIS)

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