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BSI Standards Publication

Alloyed steels - Determination of chromium content - Inductively coupled plasma optical emission spectrometric method

National foreword

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

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English Version

Alloyed steels - Determination of chromium content - Inductively coupled plasma optical emission spectrometric method

Aciers alliés - Détermination du chrome - Méthode par spectrométrie d'émission optique avec source à plasma induit

Stahl - Bestimmung des Chromgehaltes - Optischer Emissionsspektrometrie mit induktiv gekoppeltem Plasma Verfahren

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European foreword

This document (CEN/TR 10367:2019) has been prepared by Technical Committee CEN/TC 459/SC 2 “Methods of chemical analysis for iron and steel”, the secretariat of which is held by SIS.

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.

1 Scope

This document specifies an inductively coupled plasma optical emission spectrometric method for the determination of the chromium content (mass fraction) between 5,0 % (m/m) and 27,0 % (m/m) in alloyed steels.

The method doesn't apply to alloyed steels having carbon contents higher than 1 % and niobium and/or tungsten contents higher than 0,1 %.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN ISO 648, *Laboratory glassware — Single-volume pipettes*

EN ISO 1042, *Laboratory glassware — One mark volumetric flasks*

EN ISO 14284, *Steel and iron — Sampling and preparation of samples for the determination of chemical composition (ISO 14284)*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at http://www.electropedia.org/
- ISO Online browsing platform: available at https://www.iso.org/obp