ICS 77.040.30 SLOVENSKÁ TECHNICKÁ NORMA Máj 2014

STN	**Chemická analýza materiálov na báze železa. Stanovenie titánu v oceliach a liatinách. Metóda plameňovej atómovej absorpčnej spektrometrie.**	**STN EN 10211** 42 0501

Chemical analysis of ferrous materials - Determination of titanium in steels and cast irons - Flame atomic absorption spectrometric method

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Obsahuje: EN 10211:2013

Oznámením tejto normy sa ruší
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EUROPEAN STANDARD
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EN 10211

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Supersedes EN 10211:1995

English Version

Chemical analysis of ferrous materials - Determination of titanium in steels and cast irons - Flame atomic absorption spectrometric method

Analyse chimique des produits ferreux - Détermination du titane dans les aciers et les fontes - Méthode par spectrométrie d'absorption atomique dans la flamme

Chemische Analyse von Eisenwerkstoffen - Bestimmung des Titananteils in Stahl und Eisen - Flammenatomabsorptionsspektrometrisches Verfahren

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (EN 10211:2013) has been prepared by Technical Committee ECISS/TC 102 “Methods of chemical analysis for iron and steel”, the secretariat of which is held by SIS.

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of an identical text or by endorsement, at the latest by May 2014, and conflicting national standards shall be withdrawn at the latest by May 2014.

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This document supersedes EN 10211:1995.

In comparison with the previous edition of EN 10211, the following technical changes were made:

— Clause 1, “steel and iron” replaced by “non-alloyed and alloyed steels and cast irons”;

— Clause 3, clarification regarding the use of aluminium chloride within both dissolutions described;

— Addition of 5.2.3 (information on the linearity criteria);

— Table 1, addition of terms corresponding to 0,025 % and 0,075 % titanium;

— Subclause 7.6 was merged in Subclause 7.5;

— Clause 8, formula: notation changed;

— Annex A, the notes were included in the text and the correlation coefficients corrected;

— Annex B: added.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This European Standard specifies a flame atomic absorption spectrometric method for the determination of titanium in steels and cast irons. The method is applicable to non-alloyed and alloyed steels and cast irons with titanium contents of 0,01 % to 1,0 % (m/m).

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 (ISO 648)*

EN ISO 1042, *Laboratory glassware - One-mark volumetric flasks (ISO 1042)*

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