ICS 77.120.30 SLOVENSKÁ TECHNICKÁ NORMA Október 2018

STN	**Meď a zliatiny medi Stanovenie obsahu zinku Časť 2: Metóda plameňovej atómovej absorpčnej spektrometrie (FAAS)**	**STN EN 15024-2 42 0623**

Copper and copper alloys - Determination of zinc content - Part 2: Flame atomic absorption spectrometric method (FAAS)

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

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 09/18

Obsahuje: EN 15024-2:2018

Oznámením tejto normy sa ruší
STN EN 15024-2 (42 0623) z mája 2007

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 15024-2

April 2018

ICS 77.120.30 Supersedes EN 15024-2:2006

English Version

Copper and copper alloys - Determination of zinc content - Part 2: Flame atomic absorption spectrometric method (FAAS)

Cuivre et alliages de cuivre - Détermination de la teneur en zinc - Partie 2 : Méthode par spectrométrie d'absorption atomique dans la flamme (SAAF)

Kupfer und Kupferlegierungen - Bestimmung des Zinkgehaltes - Teil 2: Flammenatomabsorptionsspektrometrisches Verfahren (FAAS)

This European Standard was approved by CEN on 18 January 2018.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Ref. No. EN 15024-2:2018 E

EN 15024-2:2018 (E)

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European foreword

This document (EN 15024-2:2018) has been prepared by Technical Committee CEN/TC 133 “Copper and copper alloys”, the secretariat of which is held by DIN.

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 October 2018, and conflicting national standards shall be withdrawn at the latest by October 2018.

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 15024-2:2006.

Within its programme of work, Technical Committee CEN/TC 133 requested CEN/TC 133/WG 10 “Methods of analysis” to prepare the following standard:

EN 15024-2, *Copper and copper alloys — Determination of zinc content — Part 2: Flame atomic absorption spectrometric method (FAAS)*

This is one of two parts of the standard for the determination of zinc content in copper and copper alloys. The other part is:

prEN 15024-1, *Copper and copper alloys — Determination of zinc content — Part 1: Titrimetric method*

In comparison with EN 15024-2:2006, the following significant changes were made:

a) The upper limit of the zinc mass fraction has been reduced from 6,0 % to 5,0 %;

b) Fluoroboric-nitric acid mixture has been replaced by a solution of hydrochloric and nitric acids for the dissolution of the test portion;

c) The concentrations of the zinc stock solution and the copper base solutions have been modified;

d) The use of a continuum source xenon short arc lamp has been added as an alternative to the use of a zinc hollow-cathode lamp;

e) The precision data have been updated.

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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

EN 15024-2:2018 (E)

1 Scope

This part of this European Standard specifies a flame atomic absorption spectrometric method (FAAS) for the determination of the zinc content of copper and copper alloys in the form of unwrought, wrought and cast products.

The method is applicable to products having zinc mass fractions between 0,000 5 % and 5,0 %.

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.

ISO 1811-1, *Copper and copper alloys — Selection and preparation of samples for chemical analysis — Part 1: Sampling of cast unwrought products*

ISO 1811-2, *Copper and copper alloys — Selection and preparation of samples for chemical analysis — Part 2: Sampling of wrought products and castings*