

Zinc and zinc alloys — Chemical analysis —

Part 2: Determination of magnesium in zinc alloys — Flame atomic absorption spectrometric method

The European Standard EN 12441-2:2001, with the incorporation of amendments A1:2003 and A2:2004, has the status of a British Standard

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National foreword

This British Standard is the official English language version of EN 12441-2:2001, including amendments A1:2003 and A2:2004. It supersedes BS 3630-15:1976 which is withdrawn.

The UK participation in its preparation was entrusted by Technical Committee NFE/8, Zinc and zinc alloys, to Subcommittee NFE/8/4, Sampling analysis of zinc and zinc alloys, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

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

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standards Online.

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 10 and a back cover.

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Amendments issued since publication

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English version

Zinc and zinc alloys — Chemical analysis — Part 2: Determination of magnesium in zinc alloys — Flame atomic absorption spectrometric method

(includes amendments A1:2003 and A2:2004)

Zinc et alliages de zinc — Analyse chimique — Partie
2: Dosage du magnésium dans les alliages de zinc —
Méthode par spectrométrie d'absorption atomique
dans la flamme
(inclut les amendements A1:2003 et A2:2004)

Zink und zinklegierungen — Chemische Analyse —
Teil 2: Bestimmung von Magnesium in
Zinklegierungen — FAAS-Verfahren
(enthält Änderungen A1:2003 und A2:2004)

This European Standard was approved by CEN on 11 August 2001, amendment A1:2003 was approved by CEN on 18 March 2003 and amendment A2:2004 was approved by CEN on 21 October 2004. 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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 209, "Zinc and zinc alloys", 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 April 2002, and conflicting national standards shall be withdrawn at the latest by April 2002.

Within its programme of work, Technical Committee CEN/TC 209 entrusted CEN/TC 209/WG 6 "Methods of analysis and testing", with the preparation of the following document:

prEN 12441-2, *Zinc and zinc alloys - Chemical analysis - Part 2: Determination of magnesium in zinc alloys – Flame atomic absorption spectrometric method.*

This standard is part of a series of eleven standards. The other standards are:

- *Part 1 : Determination of aluminium in zinc alloys - Titrimetric method*
- *Part 3 : Determination of lead, cadmium and copper - Flame atomic absorption spectrometric method*
- *Part 4 : Determination of iron in zinc alloys - Spectrophotometric method*
- *Part 5 : Determination of iron in primary zinc - Spectrophotometric method*
- *Part 6 : Determination of aluminium and iron - Flame atomic absorption spectrometric method*
- *Part 7 : Determination of tin - Flame atomic absorption spectrometric method after extraction*
- *Part 8 : Determination of tin in secondary zinc - Flame atomic absorption spectrometric method*
- *Part 9 : Determination of nickel in zinc alloys - Flame atomic absorption spectrometric method*
- *Part 10 : Determination of chromium and titanium in zinc alloys – Spectrophotometric method*
- *Part 11 : Determination of silicon in zinc alloys - Spectrophotometric method*

The annexes A and B are informative.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Foreword to amendment A1

This document (EN 12441-2:2001/A1:2003) has been prepared by Technical Committee CEN /TC 209, "Zinc and zinc alloys", the secretariat of which is held by AFNOR.

This Amendment to the European Standard EN **12441-2:2001** shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2003, and conflicting national standards shall be withdrawn at the latest by November 2003.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.