



**SLOVENSKI STANDARD**  
**SIST EN 12441-2:2004/A2:2005**  
**01-februar-2005**

7 ]b\_ ]b`Wb\_cj Yn`HbY`E`?Ya ] bUUbU]nU`E`&`XY.`8c`c Yj Ub`Y`a U] bYn]`Uj  
Wb\_cj ] `n`HbU `E`AYrcXUd`Ua Ybg\_Y`Urc a g\_Y`UVgcf`dW]g\_Y`gdY`fca Yf]`Y`E`  
8cdc`b]`c`5&

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

Zink und Zinklegierungen - Chemische Analyse Teil 2: Bestimmung von Magnesium in Zinklegierungen - FAAS-Verfahren

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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

Ta slovenski standard je istoveten z: **EN 12441-2:2001/A2:2004**

**ICS:**

77.040.30	Kemijska analiza kovin	Chemical analysis of metals
77.120.60	Svinec, cink, kositer in njihove zlitine	Lead, zinc, tin and their alloys

**SIST EN 12441-2:2004/A2:2005** en

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 12441-2:2001/A2**

December 2004

ICS 77.040.30; 77.120.60

English version

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

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

Zink und Zinklegierungen - Chemische Analyse - Teil 2:  
Bestimmung von Magnesium in Zinklegierungen - FAAS-  
Verfahren

This amendment A2 modifies the European Standard EN 12441-2:2001; it 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 inclusion of this amendment into the relevant 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 amendment 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.

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

**Management Centre: rue de Stassart, 36 B-1050 Brussels**

EN 12441-2:2001/A2:2004 (E)

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## Foreword

This document (EN 12441-2:2001/A2:2004) 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 June 2005, and conflicting national standards shall be withdrawn at the latest by June 2005.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: 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.

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## EN 12441-2:2001/A2:2004 (E)

## 9.1 Method of calculation

Add the following sentence:

"Establish a calibration graph by plotting the measured absorbances of the calibration solutions against their respective contents (mass fractions)."

## 9.2 Precision

Replace Table 2 with the following:

**Table 2 — Repeatability limit and reproducibility limits**

Magnesium content %	Repeatability limit <i>r</i>	Reproducibility limit	
		<i>R<sub>w</sub></i>	<i>R</i>
0,01	0,0002 <sub>7</sub>	0,0003 <sub>2</sub>	0,0030 <sub>5</sub>
0,02	0,0004 <sub>8</sub>	0,0004 <sub>7</sub>	0,0025 <sub>8</sub>
0,03	0,0010 <sub>2</sub>	0,0007 <sub>8</sub>	0,0020 <sub>6</sub>

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