



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN ISO 4491-2:1999

ICS 77.160

**METALLIC POWDERS - DETERMINATION OF
OXYGEN CONTENT BY REDUCTION
METHODS - PART 2: LOSS OF MASS ON
HYDROGEN REDUCTION (HYDROGEN LOSS)
(ISO 4491-2:1997)**

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EUROPEAN STANDARD
NORME EUROPÉENNE
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EN ISO 4491-2

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Supersedes EN 24491-2:1993

English version

**Metallic powders - Determination of oxygen content by reduction
methods - Part 2: Loss of mass on hydrogen reduction
(hydrogen loss) (ISO 4491-2:1997)**

Poudres métalliques - Dosage de l'oxygène par les
méthodes de réduction - Partie 2: Perte de masse par
réduction dans l'hydrogène (perte dans l'hydrogène) (ISO
4491-2:1997)

Metallpulver - Bestimmung des Sauerstoffanteils durch
Reduktionsverfahren - Teil 2: Massenverlust durch
Reduktion mit Wasserstoff (ISO 4491-2:1997)

This European Standard was approved by CEN on 3 June 1999.

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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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Page 2
EN ISO 4491-2:1999

Foreword

The text of the International Standard from Technical Committee ISO/TC 119 "Powder metallurgy" of the International Organization for Standardization (ISO) has been taken over as an European Standard by CEN/CS.

This European Standard replaces EN ISO 24491-2:1993.

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of an identical text or by endorsement, at the latest by January 2000, and conflicting national standards shall be withdrawn at the latest by January 2000.

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.

Endorsement notice

The text of the International Standard ISO 4491-2:1997 has been approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards are listed in annex ZA (normative).

Annex ZA (normative)**Normative references to international publications
with their relevant European publications**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 4491-1	1989	Metallic powders - Determination of oxygen content by reduction methods - Part 1: General guidelines	EN 24491-1	1993

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