



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 24491-1 : 1994

ICS 77.160

**METALLIC POWDERS – DETERMINATION OF
OXYGEN CONTENT BY REDUCTION
METHODS – PART 1: GENERAL GUIDELINES
(ISO 4491-1:1989)**

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Údarás um Chaighdeáin Náisiúnta na hÉireann

DECLARATION

OF

SPECIFICATION

ENTITLED

METALLIC POWDERS – DETERMINATION OF OXYGEN CONTENT BY REDUCTION

METHODS – PART 1: GENERAL GUIDELINES (ISO 4491-1:1989)

AS

THE IRISH STANDARD SPECIFICATION FOR

METALLIC POWDERS – DETERMINATION OF OXYGEN CONTENT BY REDUCTION

METHODS – PART 1: GENERAL GUIDELINES (ISO 4491-1:1989)

Forfás in exercise of the power conferred by section 20 (3) of the Industrial Research and Standards Act, 1961 (No. 20 of 1961) and the Industrial Development Act, 1993 (No. 19 of 1993), and with the consent of the Minister for Enterprise and Employment, hereby declares as follows:

1. This instrument may be cited as the Standard Specification (Metallic Powders – Determination of Oxygen Content by Reduction Methods – Part 1: General Guidelines (ISO 4491-1:1989)) Declaration, 1994.

2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Metallic Powders – Determination of Oxygen Content by Reduction Methods – Part 1: General Guidelines (ISO 4491-1:1989). The Schedule comprises the text of EN 24491-1 : 1993.

(2) The said standard specification may be cited as Irish Standard/EN 24491-1:1994 or as I.S./EN 24491-1:1994.

EUROPEAN STANDARD

EN 24491-1:1993

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 1993

UDC 621.762:669-492.2:543.73:546.21

Descriptors: Powder metallurgy, metallic powder, chemical analysis, determination of content, oxygen, reduction method

English version

**Metallic powders - Determination of oxygen
content by reduction methods - Part 1: General
guidelines (ISO 4491-1:1989)**

Poudres métalliques - Dosage de l'oxygène par
les méthodes de réduction - Partie 1:
Directives générales (ISO 4491-1:1989)

Metallpulver - Bestimmung des
Sauerstoffgehaltes durch Reduktionsverfahren -
Teil 1: Allgemeine Hinweise (ISO 4491-1:1989)

This European Standard was approved by CEN on 1993-04-02. 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.

The European Standards exist 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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CEN

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

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Foreword

In 1992 ISO 4491-1:1989 "Metallic powders - Determination of oxygen content by reduction methods - Part 1: General guidelines" was submitted to the CEN Primary Questionnaire procedure.

Following the positive result of the CEN/CS Proposal ISO 4491-1:1989 was submitted to the CEN Formal Vote. The result of the Formal Vote was positive.

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 1993, and conflicting national standards shall be withdrawn at the latest by October 1993.

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

Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

Endorsement notice

The text of the International Standard ISO 4491-1:1989 was approved by CEN as a European Standard without any modification.

NOTE: The European references to international publications are given in annex ZA (normative).

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