

# INTERNATIONAL STANDARD

**ISO  
6873**

Second edition  
1998-03-01

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## Dental gypsum products

*Produits dentaires à base de gypse*



Reference number  
ISO 6873:1998(E)

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Printed in Switzerland

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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 6873 was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 2, *Prosthetic materials*.

This second edition cancels and replaces the first edition (ISO 6873:1983), which has been technically revised.

# Dental gypsum products

## 1 Scope

This International Standard gives a classification of, and specifies requirements for, gypsum products used for dental purposes such as making oral impressions, moulds, casts or dies. It specifies the test methods to be employed to determine compliance with these requirements. It also includes requirements for the labelling of packaging and for adequate instructions to accompany each package.

## 2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 3696:1987, *Water for analytical laboratory use — Specification and test methods*.

## 3 Definition

For the purposes of this International Standard, the following definition applies.

### 3.1

#### **dental gypsum product**

dental product composed essentially of hemihydrate of calcium sulfate and any necessary modifiers

NOTE Colouring matter and flavouring, if present, are regarded as necessary modifiers.

## 4 Classification and designation

The five types of gypsum product used in dentistry are classified in accordance with this International Standard as follows:

**Type 1:** Dental plaster, impression

**Type 2:** Dental plaster, model

**Type 3:** Dental stone, model

**Type 4:** Dental stone, die, high strength, low expansion

**Type 5:** Dental stone, die, high strength, high expansion