

BUREAU OF INDIAN STANDARDS

DRAFT FOR COMMENTS ONLY

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भारतीय मानक मसौदा
दंत चिकित्सा — सिरेमिक सामग्री
(IS 18813: 2024 का पहला पुनरीक्षण)

Draft Indian Standard
Dentistry — Ceramic Materials
(First Revision of IS 18813: 2024)

[ICS 11.060.10]

Dentistry Sectional Committee, MHD 08

Last date for comments: **22 May 2025**

NATIONAL FOREWORD

(Adoption clause will be added later)

This standard was first published in 2024 and was identical to ISO 6872: 2015 ‘Dentistry — Ceramic materials’. The first revision of this standard has been brought out to align it with the latest version of ISO 6872: 2024.

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are however not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’; and
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards which are to be substituted in their respective places are listed below along with their degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 1942 Dentistry — Vocabulary	IS 17895 : 2023/ISO 1942 : 2020 Dentistry — Vocabulary	Identical

ISO 3696 Water for analytical laboratory use — Specification and test methods
IS 1070 : 2023 Reagent grade water — Specification (*fourth revision*) Modified

The Committee responsible for the preparation of this standard has reviewed the provisions of the following International Standards referred in this adopted standard and has decided that they are acceptable for use in conjunction with this standard:

<i>International Standard</i>	<i>Title</i>
ISO 13078	Dentistry — Dental furnace — Test method for temperature measurement with separate thermocouple
ISO 13078-2	Dentistry — Dental furnace — Part 2: Test method for evaluation of furnace programme via firing glaze
ISO 13078-3	Dentistry — Dental furnace — Part 3: Test method for the evaluation of high temperature sintering furnace measurement with a separate thermocouple

This standard also makes a reference to the BIS Certification Marking of the product. Details of which is given in National Annex A.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated expressing the result of a test or analysis, shall be rounded off in accordance with IS 2: 2022 ‘Rules for rounding off numerical values (*second revision*)’. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

NATIONAL ANNEX A
(National Foreword)

A-1 BIS CERTIFICATION MARKING

The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the BIS Act, 2016 and the Rules and Regulations framed thereunder, and the product(s) may be marked with the Standard Mark.

Scope

This document specifies the requirements, recommendations and the corresponding test methods for dental ceramic materials for fixed all-ceramic and metal-ceramic restorations and prostheses.

The technical content of the document has not been enclosed as it is identical with the corresponding ISO standard.
For details, please refer to ISO 6872 : 2024 or kindly contact:

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