

BUREAU OF INDIAN STANDARDS

DRAFT FOR COMMENTS ONLY

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भारतीय मानक मसौदा
दंत चिकित्सा — दंत भट्टी
भाग 2 फायरिंग ग्लेज़ के माध्यम से भट्टी कार्यक्रम के मूल्यांकन के लिए परीक्षण
पद्धति

Draft Indian Standard

Dentistry — Dental Furnace
Part 2 Test Method for Evaluation of Furnace Programme via Firing Glaze
[ICS 11.060.01]

Dentistry Sectional Committee, MHD 08

Last date for comments: **1 June 2025**

NATIONAL FOREWORD

(Adoption clause will be added later)

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:

- Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’; and
- 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 2768-1 General tolerances — Part 1: Tolerances for linear and angular dimensions without individual tolerance indications	IS 2102 (Part 1) : 1993/ISO 2768-1 : 1989 General tolerances Part 1 Tolerances for linear and angular dimensions without individual tolerance indications (<i>third revision</i>)	Identical

ISO 3696 Water for analytical laboratory use — Specification and test methods	IS 1070 : 2023 Reagent grade water — Specification (<i>fourth revision</i>)	Technically Equivalent
ISO 13078 Dentistry — Dental furnace — Test method for temperature measurement with separate thermocouple	MHD/08/27954 Dentistry — Dental furnace — Test method for temperature measurement with separate thermocouple	Identical

In reporting the result of a test or analysis made in accordance with this standard, is to be rounded off, it shall be done 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

Scope

This document determines a degree of firing to be implemented by the user. It represents a test method for adapting the firing program of a dental furnace by determining the degree of firing of fired test specimens for a dental ceramic.

The test method is suitable for powdered dental ceramics according to ISO 6872, Type I.

The test method enables monitoring of the temperature control in the dental furnace by evaluating the firing degree of a dental ceramic. The test method is also suitable for evaluating the reproducibility of the firings in a dental furnace or for comparing several dental furnaces.

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 13078-2 : 2016 or kindly contact:

Head
Medical Equipment and Hospital Planning Department
Bureau of Indian Standards
9 Bahadur Shah Zafar Marg
New Delhi-110002
Email: mhd@bis.gov.in
hmhd@bis.gov.in