

BUREAU OF INDIAN STANDARDS

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भारतीय मानक मसौदा
दंत चिकित्सा — धातु सामग्री के लिए संक्षारण परीक्षण विधियाँ

Draft Indian Standard
Dentistry — Corrosion Test Methods for Metallic Materials

[ICS 11.060.10]

Dentistry Sectional Committee, MHD 08

Last date for comments: **18 July 2024**

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'
- 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 1042, Laboratory glassware — One-mark volumetric flasks	IS 915 : 2012/ISO 1042 : 1998, Laboratory Glassware — One-Mark Volumetric Flasks <i>(Third Revision)</i>	Identical
ISO 1942, Dentistry — Vocabulary	IS 17895 : 2023/ISO 1942 : 2020, Dentistry — Vocabulary	Identical
ISO 3585, Borosilicate glass 3.3 — Properties	IS 18219 : 2023/ISO 3585 : 1998, Borosilicate Glass 3.3 — Properties	Identical

ISO 3696, Water for analytical laboratory use — Specification and test methods	IS 1070 : 2023, Reagent grade water - Specification (<i>Fourth Revision</i>)	Not Equivalent
ISO 6344-2, Coated abrasives — Determination and designation of grain size distribution — Part 2: Macrogrit sizes P12 to P220	PGD/09/23647, Coated Abrasives — Determination and Designation of Grain Size Distribution Part 2 Macrogrit Sizes P12 to P220 (<i>First Revision</i>)	Identical
ISO 6344-3, Coated abrasives — Determination and designation of grain size distribution — Part 3: Microgrit sizes P240 to P5000	PGD/09/23641, Coated Abrasives — Determination and Designation of Grain Size Distribution Part 3 Microgrit Sizes P240 to P5000 (<i>Second Revision</i>)	Identical
ISO 7183, Compressed-air dryers — Specifications and testing	IS/ISO 7183 : 2007, Compressed-Air Dryers — Specifications and Testing	Identical
ISO/TS 17988, Dentistry — Corrosion test methods for dental amalgam	MHD/08/25047, Dentistry — Corrosion Test Methods for Dental Amalgam	Identical

This Standard includes modification of cross reference from ISO 6344-1 to two parts i.e. ISO 6344-2 and ISO 6344-3.

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*)’.

Scope

This document specifies test methods and procedures to determine the corrosion behaviour of metallic materials used in the oral cavity. It is intended that these test methods and procedures be referred to in individual International Standards specifying such metallic materials.

This document is not applicable to dental instruments.

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 10271:2020 or kindly contact:

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