

SLOVENSKI STANDARD SIST EN ISO 23325:2020

01-september-2020

Zobozdravstvo - Odpornost zobnega amalgama proti koroziji (ISO 23325:2020)

Dentistry - Corrosion resistance of dental amalgam (ISO 23325:2020)

Zahnheilkunde - Korrosionsbeständigkeit von Dentalamalgam (ISO 23325:2020)

Médecine bucco-dentaire - Résistance à la corrosion des amalgames dentaire (ISO 23325:2020)

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Ta slovenski standard je istoveten z: EN ISO 23325:2020

SIST EN ISO 23325:2020

https://standards.iteh.ai/catalog/standards/sist/7b4e5e34-c345-4475-90d9-

64ca8ab5c5e9/sist-en-iso-23325-2020

ICS:

11.060.10 Zobotehnični materiali Dental materials

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EUROPEAN STANDARD NORME EUROPÉENNE **EN ISO 23325**

EUROPÄISCHE NORM

July 2020

ICS 11.060.10

English Version

Dentistry - Corrosion resistance of dental amalgam (ISO 23325:2020)

Médecine bucco-dentaire - Résistance à la corrosion des amalgames dentaires (ISO 23325:2020)

Zahnheilkunde - Korrosionsbeständigkeit von Dentalamalgam (ISO 23325:2020)

This European Standard was approved by CEN on 9 June 2020.

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EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

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EN ISO 23325:2020 (E)

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EN ISO 23325:2020 (E)

European foreword

This document (EN ISO 23325:2020) has been prepared by Technical Committee ISO/TC 106 "Dentistry" in collaboration with Technical Committee CEN/TC 55 "Dentistry" the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by January 2021, and conflicting national standards shall be withdrawn at the latest by January 2021.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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SIST EN ISO 23325:2020

INTERNATIONAL STANDARD

ISO 23325

First edition 2020-06

Dentistry — Corrosion resistance of dental amalgam

Médecine bucco-dentaire — Résistance à la corrosion des amalgames dentaires

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Reference number ISO 23325:2020(E)

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Published 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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html. (Standards.iteh.ai)

This document was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 1, *Filling and restorative materials*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 55, *Dentistry* in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

This document sets a requirement, being the acceptable limit, for the reduction in strength of dental amalgam that is a consequence of crevice corrosion when the test is conducted using the procedure specified in this document. It uses one of the three corrosion test procedures present in ISO/TS 17988 for which a requirement is given in this document. The testing protocol is designed to accelerate the effect, such that results are obtained in a time suited to an *in vitro* test. Its purpose is to differentiate acceptable products from those that are not (by using a benchmark value) and not to rank products. It is not intended for use in product comparison claims.

Specific qualitative and quantitative requirements for freedom from biological hazard are not included in this document, but it is recommended that reference be made to ISO 10993-1 and ISO 7405 for assessing possible biological hazards. The test procedure in this document is inappropriate for assessing possible biological hazards.

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