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Dentistry — Denture adhesives

Médecine bucco-dentaire — Adhésifs pour prothèses dentaires

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Foreword

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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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This document was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 7, *Oral care products,* 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).

This third edition cancels and replaces the second edition (ISO 10873:2021), which has been technically revised.

The main changes are as follows:

— the requirement for pH value (5.1.2) has been deleted;

— pH value measurement (7.2) has been deleted.

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.

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Introduction

Denture adhesives are used to improve the retention stability of removable dentures to soft supporting tissues temporarily. This document is intended to determine the physical and chemical properties of denture adhesives.

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

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Dentistry — Denture adhesives

1 Scope

This document classifies denture adhesives used by wearers of removable dentures. It also specifies requirements, test methods and instructions to be supplied for the use of such products.

This document is applicable to denture adhesives for use by the consumer and excludes the dental lining materials prescribed or applied by dental professionals.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 1942, *Dentistry — Vocabulary*

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

ISO 7823-2, *Plastics — Poly(methyl methacrylate) sheets — Types, dimensions and characteristics — Part 2: Extruded sheets*

ISO 8601-1, *Date and time — Representations for information interchange — Part 1: Basic rules*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 1942 and the following apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1
denture adhesive
dental product placed on the intaglio surface of a removable denture to temporarily improve its retention to soft supporting tissues

Note 1 to entry: The intaglio surface is also known as the fitting surface.

[SOURCE: ISO 1942:2020, 3.3.1.23, modified — Note 1 to entry has been added.]

3.2
glue type
denture adhesive (3.1) in powder, cream, sheet or tape form with a water-soluble polymer as the adhesive constituent

3.3
liner type
denture adhesive (3.1) in non-aqueous form

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