



SLOVENSKI STANDARD

oSIST prEN ISO 29022:2026

01-maj-2026

Zobozdravstvo - Adhezija - Preskus oprijemne trdnosti škarij z nazobčanim rezilom (ISO/DIS 29022:2026)

Dentistry - Adhesion - Notched-edge shear bond strength test (ISO/DIS 29022:2026)

Zahnheilkunde - Adhäsion - Prüfung der Abscherverbundfestigkeit mit einer ausgesparten Klinge (ISO/DIS 29022:2026)

Médecine bucco-dentaire - Adhérence - Essai de résistance au cisaillement sur échantillons à bord entaillé (ISO/DIS 29022:2026)

Ta slovenski standard je istoveten z: prEN ISO 29022

ICS:

11.060.01 Zobozdravstvo na splošno Dentistry in general

oSIST prEN ISO 29022:2026

en,fr,de

Sample Document

get full document from standards.iteh.ai



DRAFT International Standard

ISO/DIS 29022

Dentistry — Adhesion — Notched-edge shear bond strength test

Médecine bucco-dentaire — Adhérence — Essai de résistance au cisaillement sur échantillons à bord entaillé

ICS: 11.060.10

ISO/TC 106/SC 1

Secretariat: **AFNOR**

Voting begins on:
2026-03-25

Voting terminates on:
2026-06-17

Sample Document

get full document from standards.iteh.ai

This document is circulated as received from the committee secretariat.

ISO/CEN PARALLEL PROCESSING

Reference number
ISO/DIS 29022:2026(en)

THIS DOCUMENT IS A DRAFT CIRCULATED FOR COMMENTS AND APPROVAL. IT IS THEREFORE SUBJECT TO CHANGE AND MAY NOT BE REFERRED TO AS AN INTERNATIONAL STANDARD UNTIL PUBLISHED AS SUCH.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.

RECIPIENTS OF THIS DRAFT ARE INVITED TO SUBMIT, WITH THEIR COMMENTS, NOTIFICATION OF ANY RELEVANT PATENT RIGHTS OF WHICH THEY ARE AWARE AND TO PROVIDE SUPPORTING DOCUMENTATION.

© ISO 2026

Sample Document

get full document from standards.iteh.ai



COPYRIGHT PROTECTED DOCUMENT

© ISO 2026

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

ISO/DIS 29022:2026(en)

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Tooth substrate and storage	2
4.1 Substrate	2
4.1.1 Types of the substrate	2
4.1.2 Characteristics of the substrate	2
4.2 Time after extraction	2
4.3 Condition of teeth	2
4.4 Initial preparation and storage of teeth	2
5 Tooth surface preparation	3
5.1 General	3
5.2 Potting (mounting) of teeth	3
5.3 Surface preparation	3
5.4 Storage of prepared specimens	4
6 Specimen production, handling and storage	4
6.1 General	4
6.2 Preconditioning	4
6.3 Application of adhesive	4
6.4 Insertion into bonding clamp	4
6.5 Composite placement	4
6.6 Specimen handling and storage	5
7 Notched-edge shear test	5
7.1 Apparatus	5
7.2 Shear loading	6
7.2.1 General	6
7.2.2 Alignment	6
7.3 Test	7
7.4 Recording and treatment of results	7
7.5 Analysis of results	7
7.6 Report	7
Annex A (informative) Detailed drawings of notched-edge shear apparatus	8
Bibliography	13

ISO/DIS 29022:2026(en)

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).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO *had* received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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.

This document was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 1, *Filling and restorative materials*.

This second edition cancels and replaces the first edition (ISO 29022:2013), which has been technically revised.

The main changes are as follows:

- Types of human extracted teeth for test;
- Concentration range of chloramine-T trihydrate for prepared tooth storage;
- Specification of grit size of final abrasive paper for surface preparation;
- Coefficient of variation in result analysis.

A list of all parts in the ISO 29022 series can be found on the ISO website.

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.

ISO/DIS 29022:2026(en)**Introduction**

The International Organization for Standardization (ISO) draws attention to the fact that it is claimed that compliance with this document may involve the use of a patent concerning testing shear bond strength.

ISO takes no position concerning the evidence, validity and scope of this patent right.

The holder of this patent right has ensured ISO that he/she is willing to negotiate licenses under reasonable and non-discriminatory terms and conditions with applicants throughout the world. In this respect, the statement of the holder of this patent right is registered with ISO. Information may be obtained from:

Neil T. Jessop, Ultradent Products, Inc., 505 West 10200 South, South Jordan, Utah 84095-3942, USA.

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

The purpose of this International Standard is to establish a simple and easy to use method for documenting a claim that a material adheres to tooth substance. While the method described in this International Standard has been used for comparing dental adhesive materials, users of this International Standard should evaluate usefulness of this method for their particular application(s). There is a variety of other dental adhesion test methods that may also be suitable or preferable, depending on the objective (e.g. academic research).

Sample Document

get full document from standards.iteh.ai