SLOVENSKI STANDARD
SIST EN ISO 17304:2014

01-februar-2014

Zobozdravstvo - Polimerizacijsko zmanjšanje: metoda za ugotavljanje polimerizacijskega zmanjšanja obnovitvenih materialov na osnovi polimerov (ISO 17304:2013)

Dentistry - Polymerization shrinkage: Method for determination of polymerization shrinkage of polymer-based restorative materials (ISO 17304:2013)

Zahnheilkunde - Polymerisationsschrumpfung: Verfahren zur Bestimmung der Polymerisationsschrumpfung von polymerbasierenden Restaurationsmaterialien (ISO 17304:2013)

Médecine bucco-dentaire - Retrait de la polymérisation: méthode de détermination du retrait de la polymérisation des matériaux de remplissage en polymères (ISO 17304:2013)

Ta slovenski standard je istoveten z: **EN ISO 17304:2013**

ICS:

11.060.10	Zobotehnični materiali	Dental materials

SIST EN ISO 17304:2014 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 17304

December 2013

ICS 11.060.10

English Version

Dentistry - Polymerization shrinkage: Method for determination of polymerization shrinkage of polymer-based restorative materials (ISO 17304:2013)

Médecine bucco-dentaire - Rétraction à la polymérisation: Méthode de détermination de la rétraction à la polymérisation des matériaux de restauration à base de polymères (ISO 17304:2013)

Zahnheilkunde - Polymerisationsschrumpfung: Verfahren zur Bestimmung der Polymerisationsschrumpfung von polymerbasierenden Restaurationsmaterialien (ISO 17304:2013)

This European Standard was approved by CEN on 2 November 2013.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

Foreword

This document (EN ISO 17304:2013) 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 June 2014, and conflicting national standards shall be withdrawn at the latest by June 2014.

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

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 17304:2013 has been approved by CEN as EN ISO 17304:2013 without any modification.

INTERNATIONAL STANDARD

ISO 17304

First edition
2013-12-01

Dentistry — Polymerization shrinkage: Method for determination of polymerization shrinkage of polymer-based restorative materials

Médecine bucco-dentaire — Rétraction à la polymérisation: Méthode de détermination de la rétraction à la polymérisation des matériaux de restauration à base de polymères

Reference number
ISO 17304:2013(E)

COPYRIGHT PROTECTED DOCUMENT

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

Page

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. www.iso.org/directives.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received. www.iso.org/patents.

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

The committee responsible for this document is ISO/TC 106, *Dentistry*, Subcommittee SC 1, *Filling and restorative materials*.

Introduction

This International Standard specifies a test method for the determination of the polymerization shrinkage of external energy-activated polymer-based restorative materials of Class 2, Group 1 (see ISO 4049) and similar core materials.

Many test methods have been used over many years to determine this property but no International Standard test has so far been adopted. The method specified herein is a simple method that provides reproducible results that will aid users in the comparison of test data. It was developed and verified by a comprehensive interlaboratory test programme comparing it with other methods.