

SLOVENSKI STANDARD SIST EN ISO 28399:2020

01-maj-2020

Nadomešča:

SIST EN ISO 28399:2011

Zobozdravstvo - Proizvodi za zunanje beljenje zob (ISO 28399:2020)

Dentistry - External tooth bleaching products (ISO 28399:2020)

Zahnheilkunde - Äußere Zahnbleichmittel (ISO 28399:2020)

iTeh STANDARD PREVIEW
Médecine bucco-dentaire - Produits d'éclaircissement dentaire, à usage externe (ISO 28399:2020) (standards.iteh.ai)

SIST EN ISO 28399:2020

Ta slovenski standard je istoveten z: o/stanEN ISO 28399;2020/8-82d6-

a257c136987b/sist-en-iso-28399-2020

ICS:

11.060.01 Zobozdravstvo na splošno Dentistry in general71.100.70 Kozmetika. Toaletni Cosmetics. Toiletries

pripomočki

SIST EN ISO 28399:2020 en

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 28399:2020

EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM **EN ISO 28399**

March 2020

ICS 71.100.70; 97.170

Supersedes EN ISO 28399:2011

English Version

Dentistry - External tooth bleaching products (ISO 28399:2020)

Médecine bucco-dentaire - Produits d'éclaircissement dentaire, à usage externe (ISO 28399:2020)

Zahnheilkunde - Äußere Zahnbleichmittel (ISO 28399:2020)

This European Standard was approved by CEN on 2 March 2020.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

https://standards.iteh.ai/catalog/standards/sist/f96d7ec5-5aa2-4c78-82d6-a257c136987b/sist-en-iso-28399-2020



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN ISO 28399:2020 (E)

Contents	Page	9
European foreword		₹

iTeh STANDARD PREVIEW (standards.iteh.ai)

<u>SIST EN ISO 28399:2020</u> https://standards.iteh.ai/catalog/standards/sist/f96d7ec5-5aa2-4c78-82d6-a257c136987b/sist-en-iso-28399-2020

EN ISO 28399:2020 (E)

European foreword

This document (EN ISO 28399:2020) 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 September 2020, and conflicting national standards shall be withdrawn at the latest by September 2020.

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.

This document supersedes EN ISO 28399:2011.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

iTeh STANDARD PREVIEW Endorsement notice (standards.iteh.ai)

The text of ISO 28399:2020 has been approved by CEN as EN ISO 28399:2020 without any modification.

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 28399:2020

INTERNATIONAL STANDARD

ISO 28399

Second edition 2020-03

Dentistry — External tooth bleaching products

iTeh STANDARD PREVIEW (standards.iteh.ai)

<u>SIST EN ISO 28399:2020</u> https://standards.iteh.ai/catalog/standards/sist/f96d7ec5-5aa2-4c78-82d6-a257c136987b/sist-en-iso-28399-2020



Reference number ISO 28399:2020(E)

iTeh STANDARD PREVIEW (standards.iteh.ai)

<u>SIST EN ISO 28399:2020</u> https://standards.iteh.ai/catalog/standards/sist/f96d7ec5-5aa2-4c78-82d6-a257c136987b/sist-en-iso-28399-2020



COPYRIGHT PROTECTED DOCUMENT

© ISO 2020

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 Fax: +41 22 749 09 47 Email: copyright@iso.org Website: www.iso.org Published in Switzerland

ii

Con	tents	Page
Forew	vord	iv
Introd	duction	v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Classification 4.1 General 4.2 Products for professional application 4.3 Products for consumer application	2 2
5	Requirements 5.1 Concentration of active ingredients for bleaching 5.2 Surface microhardness 5.3 Surface erosion	3 3
6	Measurements and test methods 6.1 Preparation of tooth specimens 6.2 Preparation and application of tooth bleaching product 6.3 Surface microhardness	3 3
7	Packaging, marking and information to be supplied by the manufacturer 7.1 General 7.2 Packaging standards item ai 7.3 Marking and instructions for use	3 4
Annex	x A (informative) Test method for the measurement of hydrogen peroxide concentration	n 5
	x B (informative) Light microscopy method for measuring erosion of enamel and dentine caused by external tooth bleaching products	
Annex	x C (informative) Test method for laboratory assessment of tooth bleaching efficacy	
	oranhy	2.2

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).

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 (see 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.

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 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 second edition cancels and replaces the first edition (ISO 28399:2011), which has been technically revised. The main changes compared to the previous edition are as follows:

- a light microscopy method is recommended as an example for the measurement of erosion of enamel and dentine caused by external tooth bleaching products;
- a visual assessment with shade guide has been revised.

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

External tooth bleaching products are used in dentistry for changing the colour of natural teeth towards a lighter or whiter shade. They are applied in the oral cavity directly on the outer surfaces of teeth. This document includes requirements and test methods for products intended for external bleaching of natural teeth by chemical means.

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

iTeh STANDARD PREVIEW (standards.iteh.ai)

<u>SIST EN ISO 28399:2020</u> https://standards.iteh.ai/catalog/standards/sist/f96d7ec5-5aa2-4c78-82d6a257c136987b/sist-en-iso-28399-2020

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 28399:2020