

SLOVENSKI STANDARD oSIST prEN ISO 28399:2009

01-julij-2009

Zobobzdravstvo - Izdelki za zunanje beljenje zob (ISO/DIS 28399:2009)

Dentistry - Products for external tooth bleaching (ISO/DIS 28399:2009)

Zahnheilkunde - Äußere Zahnbleichmittel (ISO/DIS 28399:2009)

Art dentaire - Produits d'éclaircissement dentaire (ISO/DIS 28399:2009)

Ta slovenski standard je istoveten z: prEN ISO 28399

https://standards.iteh.ai/catalog/standards/sist/86dc81b1-a769-4849-80d3

5dce21f8e169/s1st-en-1so-28399-2011

ICS:

97.170 Oprema za nego telesa Body care equipment

oSIST prEN ISO 28399:2009 en,fr,de

oSIST prEN ISO 28399:2009

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 28399:2011

https://standards.iteh.ai/catalog/standards/sist/86dc81b1-a769-4849-80d3-5dce21f8e169/sist-en-iso-28399-2011

EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

DRAFT prEN ISO 28399

March 2009

ICS 97.170

English Version

Dentistry - Products for external tooth bleaching (ISO/DIS 28399:2009)

Art dentaire - Produits d'éclaircissement dentaire (ISO/DIS 28399:2009)

This draft European Standard is submitted to CEN members for parallel enquiry. It has been drawn up by the Technical Committee CEN/TC 55.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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 Management Centre has the same status as the official versions.

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

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.

Warning: This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

prEN ISO 28399:2009 (E)

Contents	Page
Foreword	
roreword	

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 28399:2011
https://standards.iteh.ai/catalog/standards/sist/86dc81b1-a769-4849-80d3
5dce21f8e169/sist-en-iso-28399-2011

prEN ISO 28399:2009 (E)

Foreword

This document (prEN ISO 28399:2009) 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 document is currently submitted to the parallel Enquiry.

Endorsement notice

The text of ISO/DIS 28399:2009 has been approved by CEN as a prEN ISO 28399:2009 without any modification.

iTeh STANDARD PREVIEW (standards.iteh.ai)

<u>SIST EN ISO 28399:2011</u> https://standards.iteh.ai/catalog/standards/sist/86dc81b1-a769-4849-80d3 5dce21f8e169/sist-en-iso-28399-2011 **oSIST prEN ISO 28399:2009**

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 28399:2011

https://standards.iteh.ai/catalog/standards/sist/86dc81b1-a769-4849-80d3-5dce21f8e169/sist-en-iso-28399-2011

oSIST prEN ISO 28399:2009



DRAFT INTERNATIONAL STANDARD ISO/DIS 28399

ISO/TC 106/SC 7 Secretariat: JISC

Voting begins on: Voting terminates on:

2009-03-26 2009-08-26

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Dentistry — Products for external tooth bleaching

Art dentaire — Produits d'éclaircissement dentaire

ICS 97.170

iTeh STANDARD PREVIEW (standards.iteh.ai)

ISO/CEN PARALLEL PROCESSING

This draft has been developed within the International Organization for Standardization (ISO), and processed under the **ISO-lead** mode of collaboration as defined in the Vienna Agreement.

This draft is hereby submitted to the ISO member bodies and to the CEN member bodies for a parallel five-month enquiry.

Should this draft be accepted, a final draft, established on the basis of comments received, will be submitted to a parallel two-month approval vote in ISO and formal vote in CEN.

To expedite distribution, this document is circulated as received from the committee secretariat. ISO Central Secretariat work of editing and text composition will be undertaken at publication stage.

Pour accélérer la distribution, le présent document est distribué tel qu'il est parvenu du secrétariat du comité. Le travail de rédaction et de composition de texte sera effectué au Secrétariat central de l'ISO au stade de publication.

THIS DOCUMENT IS A DRAFT CIRCULATED FOR COMMENT 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/DIS 28399

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

iTeh STANDARD PREVIEW (standards.iteh.ai)

<u>SIST EN ISO 28399:2011</u> https://standards.iteh.ai/catalog/standards/sist/86dc81b1-a769-4849-80d3-5dce21f8e169/sist-en-iso-28399-2011

Copyright notice

This ISO document is a Draft International Standard and is copyright-protected by ISO. Except as permitted under the applicable laws of the user's country, neither this ISO draft nor any extract from it may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, photocopying, recording or otherwise, without prior written permission being secured.

Requests for permission to reproduce should be addressed to either ISO at the address below or ISO's member body in the country of the requester.

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

Reproduction may be subject to royalty payments or a licensing agreement.

Violators may be prosecuted.

Contents

Page

Forewo	ord	iv
Introdu	uction	v
1	Scope	1
2	Normative references	1
3 3.1	Terms and definitions	1
4 4.1 4.2	Terms and definitions Bleaching (of natural teeth) Classification Professionally applied Consumer applied	2 2 2
5 5.1 5.2 5.3	Consumer applied Requirements Peroxide concentration Surface microhardness Surface erosion Test methods	2 2 2
6 6.1 6.2 6.3	Test methods Preparation of tooth specimens Preparation and application of Test samples Surface microhardness	2
7 7.1 7.2	Packaging, marking and information to be supplied by the manufacturer	3 3
Annex	A (Normative)	5
Test m	nethod for the measurement of hydrogen peroxide concentration	5
Annex	B (Informative)	6
Test m	nethod for the measurement of erosion of enamel and dentine by products for external tooth bleachin	g6
Annex	C (Informative)	8
	hod for laboratory assessment of tooth bleaching efficacy	
	graphy	

ISO/DIS 28399

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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 28339 was prepared by Technical Committee ISO/TC 106, Dentistry, Subcommittee SC 7, Oral care products



Introduction

Products for external tooth bleaching are used in dentistry primarily for changing the colour of natural teeth towards lighter or whiter direction. They are applied in the oral cavity directly on the outer surfaces of teeth. This Standard includes requirements and test methods for products intended for external bleaching natural teeth by chemical means. A tooth bleaching product should be evaluated to determine its biological safety according to ISO 10993-1 and ISO 7405.

The efficacy of a bleaching product should be established by clinically relevant tooth colour change towards lighter or whiter direction using acceptable methods such as shade guides and/or electronic instruments; the methods should be described adequately and available for validation. In the case that clinical data on the efficacy of a tooth bleaching product is not available, users of this standard intending to assess the efficacy *in vitro* are advised to consider using a laboratory method as that given in Annex C (Informative).

(standards.iteh.ai)

SETEN ISO 2859:2011

://standards.iteh.ai/cytalog/standards/sist/86dc81b1-a769-4849-806
5d/e2/1f8e/167/sist-en-iso-28399-2011