

INTERNATIONAL STANDARD

ISO 9693

Second edition
1999-12-15

AMENDMENT 1
2005-10-01

Metal-ceramic dental restorative systems AMENDMENT 1

Systèmes pour restaurations dentaires métallo-céramiques

AMENDEMENT 1

iTeh STANDARD PREVIEW
(standards.iteh.ai)

ISO 9693:1999/Amd 1:2005

<https://standards.iteh.ai/catalog/standards/sist/0b841de8-89d1-4827-8da7-e16d1867f81a/iso-9693-1999-amd-1-2005>



Reference number
ISO 9693:1999/Amd.1:2005(E)

© ISO 2005

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)

[ISO 9693:1999/Amd 1:2005](https://standards.iteh.ai/catalog/standards/sist/0b841de8-89d1-4827-8da7-e16d1867f81a/iso-9693-1999-amd-1-2005)

<https://standards.iteh.ai/catalog/standards/sist/0b841de8-89d1-4827-8da7-e16d1867f81a/iso-9693-1999-amd-1-2005>

© ISO 2005

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from 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

Published in Switzerland

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.

Amendment 1 to ISO 9693:1999 was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 2, *Prosthetic materials*.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[ISO 9693:1999/Amd 1:2005](https://standards.iteh.ai/catalog/standards/sist/0b841de8-89d1-4827-8da7-e16d1867f81a/iso-9693-1999-amd-1-2005)

<https://standards.iteh.ai/catalog/standards/sist/0b841de8-89d1-4827-8da7-e16d1867f81a/iso-9693-1999-amd-1-2005>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[ISO 9693:1999/Amd 1:2005](https://standards.iteh.ai/catalog/standards/sist/0b841de8-89d1-4827-8da7-e16d1867f81a/iso-9693-1999-amd-1-2005)

<https://standards.iteh.ai/catalog/standards/sist/0b841de8-89d1-4827-8da7-e16d1867f81a/iso-9693-1999-amd-1-2005>

Metal-ceramic dental restorative systems

AMENDMENT 1

Page 1, Clause 2

Replace the normative reference ASTM B265-95 by its latest edition, ASTM B265-03.

Replace the normative reference ASTM B348-93 by its latest edition, ASTM B348-03.

Page 2, Subclause 4.1.1

Replace 4.1.1 with the following text:

“4.1.1 Metallic material

For noble metal alloys, the percentage of each alloy constituent shall not deviate from the value stated on the package label or insert by more than 0,5 % mass fraction [see 8.2.2 c)].

For base metal alloys, the content of constituents present in excess of 20 % mass fraction shall not deviate from the value stated on the package label or insert by more than 2 % mass fraction. The content of constituents present in excess of 2 % mass fraction but not in excess of 20 % mass fraction shall not deviate from the value stated on the package label or insert by more than 1 % mass fraction [see 8.2.2 c)].

The percentage content of nickel and cadmium shall not be greater than the value indicated on the package label or insert [see 8.2.2 d)].

The alloy shall not contain more than 0,02 % by mass of beryllium.

Testing shall be in accordance with 6.1.1.

For unalloyed titanium, the grade according to ASTM Designation B265-03 (strip, sheet and plate) or B348-03 (bars and billets) shall be certified; i.e. standard specification data apply. A certificate from the supplier of the titanium shall be required.”

Page 12, Subclause 8.2.2

Replace the normative references ASTM B265-95 and ASTM B348-93 in 8.2.2, item c), by their latest editions, respectively, ASTM B265-03 and ASTM B348-03.

Replace 8.2.2, item d), with the following text:

“8.2.2 Metallic material

- d) if an alloy contains more than 0,1 % (mass fraction) of nickel or more than 0,02 % (mass fraction) of cadmium, a clearly visible warning shall be stated in the warning on the package and the percentage by mass in which it is present. Detailed dated instructions regarding precautions shall be given in the package or accompanying literature;”

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[ISO 9693:1999/Amd 1:2005](https://standards.iteh.ai/catalog/standards/sist/0b841de8-89d1-4827-8da7-e16d1867f81a/iso-9693-1999-amd-1-2005)

<https://standards.iteh.ai/catalog/standards/sist/0b841de8-89d1-4827-8da7-e16d1867f81a/iso-9693-1999-amd-1-2005>

ICS 11.060.10

Price based on 1 page