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AMENDMENT 1
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Dentistry — Ceramic denture teeth AMENDMENT 1

Produits et matériel pour l'art dentaire — Dents en céramique

AMENDEMENT 1

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Reference number
ISO 4824:1993/Amd.1:1997(E)

Foreword

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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.

Amendment 1 to International Standard ISO 4824:1993 was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 2, *Prosthetic materials*.

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International Organization for Standardization
Case postale 56 • CH-1211 Genève 20 • Switzerland
Internet iso@iso.ch

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Dentistry — Ceramic denture teeth

AMENDMENT 1

Page 1

Replace existing subclause 4.1 with the following text.

4.1 Radioactivity of ceramic material

Dental ceramic materials shall have an activity concentration of not more than $1,0 \text{ Bq}\cdot\text{g}^{-1}$ of uranium-238. Test in accordance with 6.7.

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After subclause 6.6.4 add the following subclause 6.7.

6.7 Radioactivity

6.7.1 Sample preparation

If the teeth contain pins, crush lightly to remove pins, then continue milling in a tungsten-carbide mill or an alumina ceramic mill. Sieve and obtain 50 g of powder with particle size less than $75 \mu\text{m}$.

6.7.2 Counting procedure

Use a sample volume of 60 ml bulk powder and determine the activity concentration of uranium-238 by neutron activation.

6.7.3 Assessment of results

Each sample tested shall comply with the requirements in 4.1.

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ICS 11.060.10

Descriptors: dentistry, teeth (anatomy), dental prosthesis, ceramic teeth, specifications, tests, marking, packaging, labelling.

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