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Dentistry — Ceramic denture teeth AMENDMENT 1

Produits et matériel pour l'art dentaire — Dents en céramique
AMENDEMENT 1



Reference number
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Foreword

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AMENDMENT 1

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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.