

First edition
2008-08-15

**Jewellery — Sampling of precious metal
alloys for and in jewellery and associated
products**

*Joaillerie, bijouterie — Échantillonnage des alliages de métaux précieux
pour la joaillerie, bijouterie et produits associés*



Reference number
ISO 11596:2008(E)

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Published in Switzerland

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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.

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ISO 11596 was prepared by Technical Committee ISO/TC 174, *Jewellery*.

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Jewellery — Sampling of precious metal alloys for and in jewellery and associated products

1 Scope

This International Standard specifies a method of sampling precious metal jewellery alloys for the determination of the precious metal content. It is applicable to raw materials, semi-finished products and finished products of the jewellery alloys of precious metals. The purpose of this International Standard is to define all the operations needed to obtain samples intended for the determination of the precious metal content of a particular jewellery alloy. It is intended to be applied when sampling alloys are claimed to be homogeneous.

This International Standard does not cover alloys of precious metals used in industrial products, coins qualified as legal tender, dentistry or decorative coatings on other material. It is not intended to apply to procedures employed for the purposes of production control or for the provision of samples other than for the determination of the precious metal content.

2 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

2.1

casting

process in which a molten alloy is allowed to solidify in a mould

NOTE The product obtained by such a process is also referred to as a casting.

2.2

casting grain

material in discrete droplet or granular form, only suitable for re-melting

2.3

component parts

findings

products in a form that constitutes components of a finished article

2.4

electroform

article produced by an electrolytic process using a metallic or non-metallic substrate, in which the precious metal coating is sufficiently thick for the article to be used once the substrate is removed

NOTE Electroforms from alloys are often not homogeneous.

2.5

hollow tube method

method by which a tube of precious metal alloy is manufactured using mechanical means on a non-precious metal support that is removed at the end of the manufacturing process

2.6

ingot

cast unwrought product suitable for further manufacture