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## **Jewellery and precious metals — Determination of gold — Cupellation method (fire assay)**

*Joannerie, bijouterie et métaux précieux — Dosage de l'or — Méthode  
de coupellation (essai au feu)*



Reference number  
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## Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

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This document was prepared by Technical Committee ISO/TC 174, *Jewellery and precious metals*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/SS M21, *Precious metals - Applications in jewellery and associated products*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This fourth edition cancels and replaces the third edition (ISO 11426:2014), which has been technically revised.

The main changes compared to the previous edition are as follows:

- extension of the scope to cover determination of gold in multiple types of alloys, not only in jewellery ones;
- purity of proof samples was re-defined in [Clause 5](#);
- specific procedures are described in [Clause 8](#) for samples with large amount of base metals, containing platinum or palladium, or with a silver/gold ratio higher than 3;
- calculation was adapted to take into account the addition of pure gold and the fineness of the gold used in the proof sample;
- repeatability requirements were changed;
- the use of scorification was removed.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).