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Third edition
2019-07

Jewellery and precious metals — Determination of platinum in platinum alloys — ICP-OES method using an internal standard element

Joannerie et métaux précieux — Dosage du platine dans les alliages de platine — Méthode par ICP-OES utilisant un étalon interne



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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.

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).

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This document was prepared by Technical Committee ISO/TC 174, *Jewellery and precious metals*.

This third edition cancels and replaces the second edition (ISO 11494:2014), which has been technically revised.

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

- a) the definition of bracketing in [Clause 3](#) has been removed;
- b) the recommended lines in [Clause 4](#) have been removed;
- c) reagents in [Clause 5](#) have been changed and removed, and the requirements about yttrium in [5.4](#) have been changed;
- d) the preparation of the internal standard solution in [8.1](#) has been changed;
- e) the list of standards to be prepared and precisions about qualification of them by linearity as well as way to choose the low and high standards in [8.2](#) have been changed;
- f) the way of preparation by aliquots for both standard and sample solutions in [8.2](#) and [8.3](#) has been removed;
- g) the preparation of both standard and sample solutions in [8.2](#) and [8.3](#) has been changed;
- h) precisions about quantity of acids to be used in case of dissolution under pressure in [8.4](#) have been added;
- i) the definition of bracketing and recommended lines in [8.5](#) have been added;
- j) the formulae in [9.1](#) after having removed the way of preparation by aliquots have been adapted;
- k) the emission line as an information to be mentioned in the test report in [Clause 10](#) has been removed;

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l) the document has been editorially revised.

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.