

STN	Klenoty a drahé kovy Stanovenie paládia v klenotníckych zliatinách paládia Metóda vnútorného štandardu ICP-OES s prvkom ytria (ISO 11495: 2019)	STN EN ISO 11495 42 0668
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Jewellery and precious metals - Determination of palladium in palladium alloys - ICP-OES method using an internal standard element (ISO 11495:2019)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 12/19

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English Version

Jewellery and precious metals - Determination of palladium in palladium alloys - ICP-OES method using an internal standard element (ISO 11495:2019)

Joaillerie, bijouterie et métaux précieux - Dosage du palladium dans les alliages de palladium - Méthode par ICP-OES utilisant un étalon interne (ISO 11495:2019)

Schmuck und Edelmetalle - Bestimmung von Palladium in Palladiumschmucklegierungen - ICP-OES-Verfahren unter Verwendung eines internen Standardelements (ISO 11495:2019)

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EN ISO 11495:2019 (E)

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European foreword

This document (EN ISO 11495:2019) has been prepared by Technical Committee ISO/TC 174 "Jewellery and precious metals" in collaboration with CCMC.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2020, and conflicting national standards shall be withdrawn at the latest by February 2020.

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Endorsement notice

The text of ISO 11495:2019 has been approved by CEN as EN ISO 11495:2019 without any modification.

**INTERNATIONAL
STANDARD**

**ISO
11495**

Third edition
2019-07

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

*Joellerie et métaux précieux — Dosage du palladium dans les alliages
de palladium — Méthode par ICP-OES utilisant un étalon interne*



Reference number
ISO 11495:2019(E)

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ISO 11495:2019(E)

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 11495:2014), 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 removed;
- 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) the definition of bracketing and recommended lines in [8.4](#) has been added;
- i) the formulae in [9.1](#) have been adapted after having removed the way of preparation by aliquots;
- j) the emission line as an information to be mentioned in the test report in [Clause 10](#) has been removed;
- k) 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.

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

1 Scope

This document describes an analytical procedure for the determination of palladium in palladium alloys with a nominal content up to 990 ‰ (parts per thousand), including alloys according to ISO 9202.

2 Normative references

There are no normative references in this document.

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

5.4 Yttrium compound, like yttrium chloride ($\text{YCl}_3 \cdot 6\text{H}_2\text{O}$ or Y_2O_6), of analytical grade.