

This is a preview of "ISO 11495:2019". [Click here to purchase the full version from the ANSI store.](#)

Third edition
2019-07

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

*Joannerie 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)

© ISO 2019

This is a preview of "ISO 11495:2019". [Click here to purchase the full version from the ANSI store.](#)



COPYRIGHT PROTECTED DOCUMENT

© ISO 2019

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

This is a preview of "ISO 11495:2019". [Click here to purchase the full version from the ANSI store.](#)

Contents

	Page
Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	1
5 Reagents	1
6 Equipment	2
7 Sampling	2
8 Procedure	2
8.1 Internal standard solution	2
8.2 Calibration solutions	2
8.3 Sample solutions	2
8.4 Measurements	2
9 Calculation and expression of results	3
9.1 Calculation	3
9.2 Repeatability	4
10 Test report	4
Bibliography	6

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).

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).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

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.