
**Jewellery and precious metals —
Specifications for 1 kilogram gold bar**

*Joaillerie, bijouterie et métaux précieux — Spécifications pour les
lingots d'or de 1 kilogramme*

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[ISO 24018:2020](https://standards.iteh.ai/catalog/standards/iso/5af8570b-4772-4d5d-97c0-24894a21f0b7/iso-24018-2020)

<https://standards.iteh.ai/catalog/standards/iso/5af8570b-4772-4d5d-97c0-24894a21f0b7/iso-24018-2020>



iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

ISO 24018:2020

<https://standards.iteh.ai/catalog/standards/iso/5af8570b-4772-4d5d-97c0-24894a21f0b7/iso-24018-2020>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2020

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
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Requirements	1
4.1 Fineness	1
4.2 Chemical composition	2
4.3 Physical specification	2
4.4 Surface quality	3
4.5 Markings	3
5 Security feature	3
6 Certificate of analysis	3
7 Packaging	4

iTeh Standards
 (<https://standards.itih.ai>)
Document Preview

[ISO 24018:2020](#)

<https://standards.itih.ai/catalog/standards/iso/5af8570b-4772-4d5d-97c0-24894a21f0b7/iso-24018-2020>

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 on 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 the following URL: www.iso.org/iso/foreword.html.

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

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.

ISO 24018:2020

<https://standards.iteh.ai/catalog/standards/iso/5af8570b-4772-4d5d-97c0-24894a21f0b7/iso-24018-2020>

Introduction

The 1 kilogram gold bar (also named gold kilobar) is the most manufactured and traded small gold bar. As the premium associated with this product is generally very low, it is popular not only among institutional and private investors, but also among jewellery manufacturers and industries.

Unlike 400 troy ounces (approximately 12,5 kg) bars, for which a recognized standard is published by the LBMA (London Bullion Market Association) in its Good Delivery Rules, there is no internationally recognized standard for 1 kilogram gold bars. Each market (e.g. COMEX in New York, SGE in Shanghai, TOCOM in Tokyo) has its own rules for accepting those bars, which can include specifications for mass tolerance, dimensions, markings and even chemical composition. Hence, a gold kilobar accepted by one exchange may be rejected by another.

Furthermore, different standards for specification of impurities are co-existing, including SGEB2-2004 used in Chinese market and ASTM B562-95 used by jewellery manufacturers and industries. This ISO standard creates a specification with specification for impurities that will be compatible with those two most commonly used references.

The purpose of this document is hence to propose a set of specifications, which could serve as reference for the exchanges and the industrial markets and favour the usage of gold kilobars.

iTeh Standards (<https://standards.iteh.ai>) Document Preview

[ISO 24018:2020](https://standards.iteh.ai/catalog/standards/iso/5af8570b-4772-4d5d-97c0-24894a21f0b7/iso-24018-2020)

<https://standards.iteh.ai/catalog/standards/iso/5af8570b-4772-4d5d-97c0-24894a21f0b7/iso-24018-2020>

