



SLOVENSKI STANDARD
oSIST prEN ISO 13947:2024
01-februar-2024

Kovinski prah - Preskusna metoda za določanje nekovinskih delcev v kovinskih praških z uporabo kovanega vzorca (ISO/DIS 13947:2023)

Metallic powders - Test method for the determination of non-metallic inclusions in metal powders using a powder- forged specimen (ISO/DIS 13947:2023)

Metallpulver - Prüfverfahren zur Bestimmung von nichtmetallischen Einschlüssen in Metallpulvern anhand einer pulvergeschmiedeten Probe (ISO/DIS 13947:2023)

Poudres métalliques - Méthode d'essai relative à la détermination des inclusions non métalliques dans les poudres métalliques à l'aide d'une éprouvette frittée-forgée (ISO/DIS 13947:2023)

Ta slovenski standard je istoveten z: EN prEN ISO 13947

<https://standards.iteh.ai/catalog/standards/sist/41265d40-8e64-4c90-8647-1f320776eb18/osist-pren-iso-13947-2024>

ICS:

77.160

Metalurgija prahov

Powder metallurgy

oSIST prEN ISO 13947:2024

en,fr,de

DRAFT INTERNATIONAL STANDARD

ISO/DIS 13947

ISO/TC 119/SC 2

Secretariat: SIS

Voting begins on:
2023-12-11Voting terminates on:
2024-03-04

Metallic powders — Test method for the determination of non-metallic inclusions in metal powders using a powder-forged specimen

Poudres métalliques — Détermination de la teneur en inclusions non métalliques dans les poudres métalliques à l'aide d'une éprouvette forgée de poudre

ICS: 77.160

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

[oSIST prEN ISO 13947:2024](https://standards.iteh.ai/catalog/standards/sist/41265d40-8c64-4c90-8647-1f320776eb18/osist-pren-iso-13947-2024)

<https://standards.iteh.ai/catalog/standards/sist/41265d40-8c64-4c90-8647-1f320776eb18/osist-pren-iso-13947-2024>

This document is circulated as received from the committee secretariat.

THIS DOCUMENT IS A DRAFT CIRCULATED FOR COMMENT AND APPROVAL. IT IS THEREFORE SUBJECT TO CHANGE AND MAY NOT BE REFERRED TO AS AN INTERNATIONAL STANDARD UNTIL PUBLISHED AS SUCH.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.

RECIPIENTS OF THIS DRAFT ARE INVITED TO SUBMIT, WITH THEIR COMMENTS, NOTIFICATION OF ANY RELEVANT PATENT RIGHTS OF WHICH THEY ARE AWARE AND TO PROVIDE SUPPORTING DOCUMENTATION.

ISO/CEN PARALLEL PROCESSING



Reference number
ISO/DIS 13947:2023(E)

© ISO 2023

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

[oSIST prEN ISO 13947:2024](https://standards.iteh.ai/catalog/standards/sist/41265d40-8c64-4c90-8647-1f320776eb18/osist-pren-iso-13947-2024)

<https://standards.iteh.ai/catalog/standards/sist/41265d40-8c64-4c90-8647-1f320776eb18/osist-pren-iso-13947-2024>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2023

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
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	2
5 Significance and use	3
6 Apparatus	3
6.1 Metallographic microscope.....	4
7 Test piece	4
8 Procedure	4
8.1 Preparation of specimens.....	4
8.2 Measurement of non-metallic inclusion content.....	4
9 Test report	5
10 Precision and bias	5

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

[oSIST prEN ISO 13947:2024](https://standards.itih.ai/catalog/standards/sist/41265d40-8c64-4c90-8647-1f320776eb18/osist-pren-iso-13947-2024)

<https://standards.itih.ai/catalog/standards/sist/41265d40-8c64-4c90-8647-1f320776eb18/osist-pren-iso-13947-2024>

ISO/DIS 13947:2023(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).

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 119 *Powder metallurgy*, Subcommittee SC 2, *Sampling and testing methods for powders (including powders for hardmetals)*.

This third edition cancels and replaces the second edition (ISO 13947:2011) which has been technically revised.

The main changes are as follows:

- Adding the option of hardening by quenching directly after forging

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.