



SLOVENSKI STANDARD
oSIST prEN ISO 7012-2:2024
01-maj-2024

**Barve in laki - Določanje konzervansov v premazih, topnih v vodi - 2. del:
Določanje celotnega formaldehida v pločevinki/posodi (ISO/DIS 7012-2:2024)**

Paints and varnishes - Determination of preservatives in water-dilutable coating materials - Part 2: Determination of in-can total formaldehyde (ISO/DIS 7012-2:2024)

Beschichtungsstoffe - Bestimmung der Konservierungsmittel in wasserverdünnbaren Beschichtungsstoffen - Teil 2: Bestimmung des Gesamtformaldehyds im Gebinde (ISO/DIS 7012-2:2024)

Peintures et vernis - Dosage des agents de préservation dans les produits de peinture diluables à l'eau - Partie 2: Dosage du formaldéhyde total en pot (ISO/DIS 7012-2:2024)

Ta slovenski standard je istoveten z: EN prEN ISO 7012-2

<https://standards.iteh.ai/catalog/standards/sist/3b0d3f1b-ecdd-4f5b-92e6-42f7f9b4f013/osist-pren-iso-7012-2-2024>

ICS:

87.040

Barve in laki

Paints and varnishes

oSIST prEN ISO 7012-2:2024

en,fr,de



DRAFT International Standard

ISO/DIS 7012-2

Paints and varnishes — Determination of preservatives in water-dilutable coating materials —

Part 2: Determination of in-can total formaldehyde

ICS: 87.040

ISO/TC 35/SC 16

Secretariat: DIN

Voting begins on:
2024-03-14

Voting terminates on:
2024-06-06

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

[oSIST prEN ISO 7012-2:2024](https://standards.iteh.ai/catalog/standards/sist/3b0d3f1b-ccdd-4f5b-92e6-42f7f9b4f013/osist-pren-iso-7012-2-2024)

<https://standards.iteh.ai/catalog/standards/sist/3b0d3f1b-ccdd-4f5b-92e6-42f7f9b4f013/osist-pren-iso-7012-2-2024>

This document is circulated as received from the committee secretariat.

ISO/CEN PARALLEL PROCESSING

Reference number
ISO/DIS 7012-2:2024(en)

THIS DOCUMENT IS A DRAFT CIRCULATED FOR COMMENTS 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 2024

ISO/DIS 7012-2:2024(en)

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

[oSIST prEN ISO 7012-2:2024](https://standards.iteh.ai/catalog/standards/sist/3b0d3f1b-ccdd-4f5b-92e6-42f7f9b4f013/osist-pren-iso-7012-2-2024)

<https://standards.iteh.ai/catalog/standards/sist/3b0d3f1b-ccdd-4f5b-92e6-42f7f9b4f013/osist-pren-iso-7012-2-2024>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2024

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

© ISO 2024 – All rights reserved

ISO/DIS 7012-2:2024(en)

Contents

Page

| | |
|---|-----------|
| Foreword..... | iv |
| 1 Scope..... | 1 |
| 2 Normative references..... | 1 |
| 3 Terms and definitions..... | 1 |
| 4 Principle..... | 3 |
| 4.1 General..... | 3 |
| 4.2 Acidic water-steam-distillation..... | 3 |
| 4.2.1 Derivatisation with Chromotropic acid (CHRA)..... | 3 |
| 5 Apparatus..... | 3 |
| 6 Reagents and materials..... | 4 |
| 6.1 General..... | 4 |
| 6.2 Reagents for derivatisation with CHRA..... | 4 |
| 6.3 Reagents for titration of formaldehyde standard..... | 4 |
| 7 Procedure..... | 5 |
| 7.1 Sampling..... | 5 |
| 7.2 Distillation..... | 5 |
| 7.3 Derivatization using the chromotropic acid procedure..... | 5 |
| 7.4 Calibration..... | 5 |
| 7.5 Analysis..... | 5 |
| 7.5.1 Analysis of the calibration solution..... | 5 |
| 7.5.2 Sample measurement..... | 6 |
| 7.6 Calculation of in-can total formaldehyde content..... | 7 |
| 8 Precision..... | 7 |
| 8.1 General..... | 7 |
| 8.2 Repeatability limit r | 7 |
| 8.3 Reproducibility limit R | 8 |
| 9 Test report..... | 8 |
| Annex A (normative)..... | 9 |
| Annex B (normative) Results of the interlaboratory test..... | 11 |

ISO/DIS 7012-2:2024(en)

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 35, *Paints and varnishes*, Subcommittee SC 16, *Chemical analysis*.

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

[oSIST prEN ISO 7012-2:2024](https://standards.iteh.ai/catalog/standards/sist/3b0d3f1b-ecdd-4f5b-92e6-42f7f9b4f013/osist-pren-iso-7012-2-2024)

<https://standards.iteh.ai/catalog/standards/sist/3b0d3f1b-ecdd-4f5b-92e6-42f7f9b4f013/osist-pren-iso-7012-2-2024>