

SLOVENSKI STANDARD

SIST EN ISO 22403:2022

01-januar-2022

Polimerni materiali - Ocenjevanje lastne biorazgradljivosti materialov, izpostavljenih morskemu inokulumu (kužilom) v mezofilnih aerobnih laboratorijskih pogojih - Preskusne metode in zahteve (ISO 22403:2020)

Plastics - Assessment of the intrinsic biodegradability of materials exposed to marine inocula under mesophilic aerobic laboratory conditions - Test methods and requirements (ISO 22403:2020)

iTeh STANDARD PREVIEW
Kunststoffe - Bewertung der intrinsischen biologischen Abbaubarkeit von Materialien, die marinen Inokula unter mesophilen aeroben Laborbedingungen ausgesetzt sind - Prüfverfahren und Anforderungen (ISO 22403:2020)

[SIST EN ISO 22403:2022](#)

Plastiques - Évaluation de la biodégradabilité aérobie inhérente et de la sécurité environnementale des matériaux non flottants exposés à des inocula marins dans des conditions de laboratoire et mésophiles - Méthodes d'essai et exigences (ISO 22403:2020)

Ta slovenski standard je istoveten z: EN ISO 22403:2021

ICS:

13.020.40	Onesnaževanje, nadzor nad onesnaževanjem in ohranjanje	Pollution, pollution control and conservation
83.080.01	Polimerni materiali na splošno	Plastics in general

SIST EN ISO 22403:2022

en,fr,de

**iTeh STANDARD PREVIEW
(standards.iteh.ai)**

SIST EN ISO 22403:2022

<https://standards.iteh.ai/catalog/standards/sist/dc3313fc-b369-405c-97c9-c0482b7d1b31/sist-en-iso-22403-2022>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 22403

November 2021

ICS 13.020.40; 83.080.01

English Version

Plastics - Assessment of the intrinsic biodegradability of materials exposed to marine inocula under mesophilic aerobic laboratory conditions - Test methods and requirements (ISO 22403:2020)

Plastiques - Évaluation de la biodégradabilité aérobie inhérente et de la sécurité environnementale des matériaux non flottants exposés à des inocula marins dans des conditions de laboratoire et mésophiles - Méthodes d'essai et exigences (ISO 22403:2020)

Kunststoffe - Bewertung der intrinsischen biologischen Abbaubarkeit von Materialien, die marinen Inokula unter mesophilen aeroben Laborbedingungen ausgesetzt sind - Prüfverfahren und Anforderungen (ISO 22403:2020)

This European Standard was approved by CEN on 8 November 2021.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions. [SIST EN ISO 22403:2022](#)

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
 COMITÉ EUROPÉEN DE NORMALISATION
 EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents	Page
European foreword.....	3

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 22403:2022

<https://standards.iteh.ai/catalog/standards/sist/dc3313fc-b369-405c-97c9-c0482b7d1b31/sist-en-iso-22403-2022>

European foreword

The text of ISO 22403:2020 has been prepared by Technical Committee ISO/TC 61 "Plastics" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 22403:2021 by Technical Committee CEN/TC 249 "Plastics" the secretariat of which is held by NBN.

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 May 2022, and conflicting national standards shall be withdrawn at the latest by May 2022.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

iTeh STANDARD PREVIEW (standards.iteh.ai) Endorsement notice

The text of ISO 22403:2020 has been approved by CEN as EN ISO 22403:2021 without any modification.
<https://standards.iteh.ai/catalog/standards/sist/dc3313fc-b369-405c-97c9-c0482b7d1b31/sist-en-iso-22403-2022>

**iTeh STANDARD PREVIEW
(standards.iteh.ai)**

SIST EN ISO 22403:2022

<https://standards.iteh.ai/catalog/standards/sist/dc3313fc-b369-405c-97c9-c0482b7d1b31/sist-en-iso-22403-2022>

INTERNATIONAL STANDARD

ISO
22403

First edition
2020-04

Plastics — Assessment of the intrinsic biodegradability of materials exposed to marine inocula under mesophilic aerobic laboratory conditions — Test methods and requirements

iTeh STANDARD PREVIEW
(standards.iteh.ai)

Plastiques — Évaluation de la biodégradabilité aérobiose inhérente et de la sécurité environnementale des matériaux non flottants exposés à des inocula marins dans des conditions de laboratoire et mésophiles — Méthodes d'essai et exigences

[SIST EN ISO 22403:2022](#)
<https://standards.iteh.ai/catalog/standards/sist/dc3313fc-b369-405c-97c9-c0482b7d1b31/sist-en-iso-22403-2022>



Reference number
ISO 22403:2020(E)

iTeh STANDARD PREVIEW

(standards.iteh.ai)

[SIST EN ISO 22403:2022](#)

<https://standards.iteh.ai/catalog/standards/sist/dc3313fc-b369-405c-97c9-c0482b7d1b31/sist-en-iso-22403-2022>



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
Fax: +41 22 749 09 47
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	2
4 Requirements	2
4.1 Test material	2
4.2 Reference material	2
4.3 Negative control	2
4.4 Biodegradation test methods	3
4.5 Requirements	3
5 Test report	4
Bibliography	5

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 22403:2022

<https://standards.iteh.ai/catalog/standards/sist/dc3313fc-b369-405c-97c9-c0482b7d1b31/sist-en-iso-22403-2022>

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 STANDARD IS REVIEWED (standards.iteh.ai)

This document was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 14, *Environmental aspects*.
SIST EN ISO 22403:2022

<https://standards.iteh.ai/catalog/standards/sist/dc3313fc-b369-405c-97c9-049214bf10e4>

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.