SLOVENSKI STANDARD
oSIST prEN ISO 25652:2025

01-december-2025

Tla, usedline, blato in odpadki - Analiza perfluoroalkilnih in polifluoroalkilnih snovi (PFAS) s tekočinsko kromatografijo visoke ločljivosti (HPLC) in masno spektrometrijo (ISO/DIS 25652:2025)

Sediment, Soil, sludge and waste - Analysis of PFAS by HPLC and mass spectrometry (ISO/DIS 25652:2025)

Boden, Sediment, Schlamm und Abfall - Analyse von PFAS durch HPLC und Massenspektrometrie (ISO/DIS 25652:2025)

Sédiments, sol, boues et déchets - Analyse des PFAS par CLHP et spectrométrie de masse (ISO/DIS 25652:2025)

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

Ta slovenski standard je istoveten z: **prEN ISO 25652**

oSIST prEN ISO 25652:2025
https://standards.iteh.ai/catalog/standards/sist/6e3f668b-d29b-41ab-bbfd-c5513ac7a6e7/osist-pren-iso-25652-2025

ICS:

13.080.10	Kemijske značilnosti tal	Chemical characteristics of soils

oSIST prEN ISO 25652:2025 **en,fr,de**

2003-01.Slovenski inštitut za standardizacijo. Razmnoževanje celote ali delov tega standarda ni dovoljeno.

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

oSIST prEN ISO 25652:2025
https://standards.iteh.ai/catalog/standards/sist/6e3f668b-d29b-41ab-bbfd-c5513ac7a6e7/osist-pren-iso-25652-2025

oSIST prEN ISO 25652:2025

DRAFT International Standard

ISO/DIS 25652

Sediment, Soil, sludge and waste — Analysis of PFAS by HPLC and mass spectrometry

Les sédiments, le sol, les boues et les déchets — Analyse des PFAS par HPLC et spectrométrie de masse

ICS: 13.080.10

ISO/TC **190**/SC **3**

Secretariat: **DIN**

Voting begins on:
2025-10-27

Voting terminates on:
2026-01-19

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

oSIST prEN ISO 25652:2025
https://standards.iteh.ai/catalog/standards/sist/6e3f668b-d29b-41ab-bbfd-c5513ac7a6e7/osist-pren-iso-25652-2025

This document has not been edited by the ISO Central Secretariat.

ISO/CEN PARALLEL PROCESSING

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.

Reference number
ISO/DIS 25652:2025(en)

© ISO 2025

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

oSIST prEN ISO 25652:2025
https://standards.iteh.ai/catalog/standards/sist/6e3f668b-d29b-41ab-bbfd-c5513ac7a6e7/osist-pren-iso-25652-2025

COPYRIGHT PROTECTED DOCUMENT

© ISO 2025
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

oSIST prEN ISO 25652:2025

Contents

Page

iTeh Standards
(https://standards.iteh.ai)
Document Preview
oSIST prEN ISO 25652:2025
https://standards.iteh.ai/catalog/standards/sist/6e316688-d29b-41ab-bbfd-e3513ac7a6e7/osist-pren-iso-25652-2025

© ISO 2025 – All rights reserved

oSIST prEN ISO 25652:2025

Foreword

This document (prISO 25652:2025) has been prepared by Technical Committee CEN/TC 444 “Environmental characterization”, in collaboration with Technical Committee ISO/TC 190, Soil quality, Subcommittee SC 3, Chemical and physical characterization. The secretariat of CEN/TC 444 is held by NEN.

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 XXXXXXX, and conflicting national standards shall be withdrawn at the latest by XXXXXX.

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.

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

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

oSIST prEN ISO 25652:2025
https://standards.iteh.ai/catalog/standards/sist/6e3f668b-d29b-41ab-bbfd-c5513ac7a6e7/osist-pren-iso-25652-2025

© ISO 2025 – All rights reserved

oSIST prEN ISO 25652:2025

Introduction

PFAS is a large group of industrially produced fluorinated hydrocarbons (alkyl substances). PFAS stands for per- and polyfluoroalkyl substances and contain a fully (per-) or partially (poly-) fluorinated carbon chain. The length normally ranges from 2 to 18 carbon atoms. The best known PFAS are PFOS (perfluorooctane sulfonic acid) and PFOA (perfluorooctanoic acid)[1)].

Since 2018, explicit attention has been requested for PFAS in soil trading. Due to the potential risks of the substance group or the lack of information about it, the target values for soil trading in some countries are relatively low at the level of a few µg / kg. That is why in many cases the chemical analyses are decisive in decision-making for soil trading and determining the possibilities for use of soil and dredged material released in projects. Precisely because of the diffuse occurrence of PFAS and the relatively strict target values, there is a generic need for a validated analysis method with a substantiated reporting limit and uniformity in the analysis methods and the associated pre-treatment.

The need for validation and uniformity does not only affect chemical analysis. The sampling strategy and method of performing the fieldwork also determine the final result. To this end, various guidelines have been and will be provided in other contexts and assessment guidelines and protocols have been drawn up.

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

oSIST prEN ISO 25652:2025
https://standards.iteh.ai/catalog/standards/sist/6e3f668b-d29b-41ab-bbfd-c5513ac7a6e7/osist-pren-iso-25652-2025

1) Both substances, PFOS and PFOA, consist of eight and seven fully fluorinated carbon atoms, respectively, with PFOS additionally having a sulfonate as a "functional group" on the last carbon atom and PFOA a carboxyl group.

© ISO 2025 – All rights reserved