
Naftni proizvodi - Določanje žvepla - Metoda z energijsko-disperzivno rentgensko fluorescenčno spektrometrijo (ISO/DIS 8754:2025)

Petroleum products - Determination of sulfur content - Energy-dispersive X-ray fluorescence spectrometry (ISO/DIS 8754:2025)

Mineralölerzeugnisse - Bestimmung des Schwefelgehaltes - Energiedispersive Röntgenfluoreszenz-Spektrometrie (ISO/DIS 8754:2025)

Produits pétroliers - Détermination de la teneur en soufre - Spectrométrie de fluorescence de rayons X dispersive en énergie (ISO/DIS 8754:2025)

Ta slovenski standard je istoveten z: prEN ISO 8754

oSIST prEN ISO 8754:2025

ICS:

71.040.50	Fizikalnokemijske analitske metode	Physicochemical methods of analysis
75.080	Naftni proizvodi na splošno	Petroleum products in general

oSIST prEN ISO 8754:2025

en,fr,de



DRAFT International Standard

ISO/DIS 8754

Petroleum products — Determination of sulfur content — Energy-dispersive X-ray fluorescence spectrometry

*Produits pétroliers — Détermination de la teneur en soufre —
Spectrométrie de fluorescence de rayons X dispersive en énergie*

ICS: 75.080

ISO/TC 28

Secretariat: **NEN**

Voting begins on:
2025-01-24

Voting terminates on:
2025-04-18

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

[oSIST prEN ISO 8754:2025](https://standards.iteh.ai/catalog/standards/sist/c01e3743-2ebe-4c74-92ec-c92f44faca4/osist-pren-iso-8754-2025)

<https://standards.iteh.ai/catalog/standards/sist/c01e3743-2ebe-4c74-92ec-c92f44faca4/osist-pren-iso-8754-2025>

This document is circulated as received from the committee 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.

ISO/DIS 8754:2025(en)

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

[oSIST prEN ISO 8754:2025](https://standards.iteh.ai/catalog/standards/sist/c01e3743-2ebe-4c74-92ec-c92fce4faca4/osist-pren-iso-8754-2025)

<https://standards.iteh.ai/catalog/standards/sist/c01e3743-2ebe-4c74-92ec-c92fce4faca4/osist-pren-iso-8754-2025>



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

ISO/DIS 8754:2025(en)

Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	1
5 Reagents and materials	2
6 Apparatus	2
7 Samples and sampling	3
8 Apparatus preparation	3
8.1 Analyser.....	3
8.2 Sample cups.....	3
9 Calibration	3
9.1 General.....	3
9.2 Preparation of primary standards.....	3
9.3 Calibration standards.....	4
9.4 Storage of standards.....	5
9.5 Calibration procedure.....	5
9.6 Checking.....	5
9.6.1 Short-term checking.....	5
9.6.2 Long-term checking.....	5
10 Procedure	5
11 Calculation	6
12 Expression of results	6
13 Precision	6
13.1 General.....	6
13.2 Repeatability, r	6
13.3 Reproducibility, R	6
14 Test report	6
Annex A (informative) Matrix effects	8
Bibliography	10

ISO/DIS 8754:2025(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).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO [*had/had not*] received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

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 28, *Petroleum and related products, fuels and lubricants from natural or synthetic sources*.

This third edition cancels and replaces the second edition (ISO 8754:2003), which has been technically revised.

The main changes are as follows:

- Scope: Expand scope to biofuel and biofuel blends without precision statement and describing procedures for matrix corrections in Annex [A.3](#).
- Add [Clause 3](#) for Terms and definitions.
- Add Bibliography.

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.