ICS 75.080 SLOVENSKÁ TECHNICKÁ NORMA Marec 2017

STN	**Ropné výrobky. Stanovenie distribúcie bodov varu. Metóda plynovej chromatografie (ISO 3924: 2016).**	**STN EN ISO 3924** 65 6517

Petroleum products - Determination of boiling range distribution - Gas chromatography method (ISO 3924:2016)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 02/17

Obsahuje: EN ISO 3924:2016, ISO 3924:2016

Oznámením tejto normy sa ruší
STN EN ISO 3924 (65 6517) z júla 2010

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 3924

October 2016

ICS 75.080

Supersedes EN ISO 3924:2010

English Version

Petroleum products - Determination of boiling range distribution - Gas chromatography method (ISO 3924:2016)

Produits pétroliers - Détermination de la répartition dans l'intervalle de distillation - Méthode par chromatographie en phase gazeuse (ISO 3924:2016)

Mineralölerzeugnisse - Bestimmung des Siedeverlaufs - Gaschromatographisches Verfahren (ISO 3924:2016)

This European Standard was approved by CEN on 15 July 2016.

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CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

European foreword

This document (EN ISO 3924:2016) has been prepared by Technical Committee ISO/TC 28 “Petroleum products and related products of synthetic or biological origin” in collaboration with Technical Committee CEN/TC 19 “Gaseous and liquid fuels, lubricants and related products of petroleum, synthetic and biological origin” the secretariat of which 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of an identical text or by endorsement, at the latest by April 2017, and conflicting national standards shall be withdrawn at the latest by April 2017.

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

This document supersedes EN ISO 3924:2010.

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Endorsement notice

The text of ISO 3924:2016 has been approved by CEN as EN ISO 3924:2016 without any modification.

INTERNATIONAL STANDARD

ISO 3924

Fourth edition
2016-09-15

Petroleum products — Determination of boiling range distribution — Gas chromatography method

Produits pétroliers — Détermination de la répartition dans l'intervalle de distillation — Méthode par chromatographie en phase gazeuse

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Contents

Page

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).

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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

ISO 3924 was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 19, *Gaseous and liquid fuels, lubricants and related products of petroleum, synthetic and biological origin*, in collaboration with ISO Technical Committee ISO/TC 28, *Petroleum products and related products of synthetic or biological origin*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This fourth edition cancels and replaces the third edition (ISO 3924:2010), which has been technically revised. The third edition had several updates regarding the calculation of ISO 3405[1] equivalent data. Because ISO 3924 is extensively used and referenced in many fuel specifications, a faster analysis procedure was included. Many fuel specifications concerned demand volume percentage recovered at 250°C and 350°C but this result was not part of the report of ISO 3924 in the former version as described. This is updated with this edition (see Annex A), for which an assessment has been executed by CEN/TC 19. In addition, several editorial updates have been made.

This method is originally based on the jointed IP 406[3] and ASTM D2887[4] methods.

INTERNATIONAL STANDARD ISO 3924:2016(E)

Petroleum products — Determination of boiling range distribution — Gas chromatography method

WARNING — — The use of this International Standard can involve hazardous materials, operations and equipment. This International Standard does not purport to address all of the safety problems associated with its use. It is the responsibility of users of this International Standard to take appropriate measures to ensure the safety and health of personnel prior to application of the standard, and fulfil statutory and regulatory requirements for this purpose.

1 Scope

This International Standard specifies a method for the determination of the boiling range distribution of petroleum products. The method is applicable to petroleum products and fractions with a final boiling point of 538 °C or lower at atmospheric pressure as determined by this International Standard. This International Standard is not applicable to gasoline samples or gasoline components. The method is limited to products having a boiling range greater than 55 °C and having a vapour pressure sufficiently low to permit sampling at ambient temperature.

The method has successfully been applied to samples containing fatty acid methyl esters (FAME) up to 10 % (*V/V*).

NOTE For the purposes of this International Standard, the terms "% (*m/m*)" and % (*V/V*) are used to represent the mass fraction (μ), respectively the volume fraction (φ) of a material.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 3170, *Petroleum liquids — Manual sampling*

ISO 3171, *Petroleum liquids — Automatic pipeline sampling*

