

STN	Parné výrobky Stanovenie nikotínu v emisiách parných výrobkov Plynová chromatografická metóda (ISO 24199: 2022)	STN EN ISO 24199 56 9591
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Vapour products - Determination of nicotine in vapour product emissions - Gas chromatographic method (ISO 24199:2022)

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. 10/22

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English Version

Vapour products - Determination of nicotine in vapour product emissions - Gas chromatographic method (ISO 24199:2022)

Produits de vapotage - Détermination de la teneur en nicotine dans les émissions de produits de vapotage - Méthode par chromatographie en phase gazeuse (ISO 24199:2022)

Dampfprodukte - Bestimmung von Nikotin in Emissionen von Dampfprodukten - Gaschromatographisches Verfahren (ISO 24199:2022)

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

EN ISO 24199:2022 (E)

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European foreword

This document (EN ISO 24199:2022) has been prepared by Technical Committee ISO/TC 126 "Tobacco and tobacco products" in collaboration with Technical Committee CEN/TC 437 "Electronic cigarettes and e-liquids" the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by January 2023, and conflicting national standards shall be withdrawn at the latest by January 2023.

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Endorsement notice

The text of ISO 24199:2022 has been approved by CEN as EN ISO 24199:2022 without any modification.

INTERNATIONAL STANDARD

ISO 24199

First edition
2022-07

Vapour products — Determination of nicotine in vapour product emissions — Gas chromatographic method

*Produits de vapotage — Détermination de la teneur en nicotine
dans les émissions de produits de vapotage — Méthode par
chromatographie en phase gazeuse*



Reference number
ISO 24199:2022(E)

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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

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ISO 24199:2022(E)

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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This document was prepared by Technical Committee ISO/TC 126, *Tobacco and tobacco products*, Subcommittee SC 3, *Vape and vapour products*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 437, *Electronic cigarettes and e-liquids*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

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Introduction

In many countries, the regulation of vapour products requires reporting for nicotine compounds in emissions. Therefore, there is a necessity to have an International Standard in place to get reliable/comparable data on nicotine in electronic cigarette emissions.

This document was developed for the determination of nicotine in the aerosol from vapour products utilizing gas chromatography coupled with a flame ionization detector. The experimental design parameters^{[1][2]} used to collect the aerosolised vapour should be evaluated and documented for each analysis.

The document is based on the CORESTA recommended method (CRM) 84^[3], which was written on the basis of the results obtained in an interlaboratory study conducted in 2015 involving 18 laboratories^[4] and an interlaboratory study conducted in 2019 involving 11 laboratories^[5].

Vapour products — Determination of nicotine in vapour product emissions — Gas chromatographic method

1 Scope

This document specifies an analytical method to quantify nicotine of collected vapour product emissions by gas chromatography.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 20768, *Vapour products — Routine analytical vaping machine — Definitions and standard conditions*

ISO 24197:—,¹⁾ *Vapour products — Determination of e-liquid vaporised mass and aerosol collected mass*

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