



SLOVENSKI STANDARD
SIST EN ISO 24199:2022

01-september-2022

Hlapni proizvodi - Ugotavljanje deleža nikotina v emisijah hlapnih proizvodov - Metoda plinske kromatografije (ISO 24199:2022)

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

Dampfprodukte - Bestimmung von Nikotin in Emissionen von Dampfprodukten - Gaschromatographisches Verfahren (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)

Ta slovenski standard je istoveten z: EN ISO 24199:2022

ICS:

65.160	Tobak, tobačni izdelki in oprema	Tobacco, tobacco products and related equipment
71.040.50	Fizikalnokemijske analitske metode	Physicochemical methods of analysis

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EUROPEAN STANDARD

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NORME EUROPÉENNE

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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)

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of an identical text or by endorsement, at the latest by January 2023, and conflicting national standards shall be withdrawn at the latest by January 2023.

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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*

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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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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 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).

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.

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].

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