

STN	Obuv Kritické látky potenciálne prítomné v obuvi a súčiastiach obuvi Stanovenie nitrózamínov (ISO 19577: 2019)	STN EN ISO 19577 79 5907
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Footwear - Critical substances potentially present in footwear and footwear components - Determination of Nitrosamines (ISO 19577:2019)

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

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English Version

Footwear - Critical substances potentially present in footwear and footwear components - Determination of Nitrosamines (ISO 19577:2019)

Chaussure - Substances critiques potentiellement présentes dans les chaussures et les composants de chaussure - Détermination des nitrosamines (ISO 19577:2019)

Schuhe - Möglicherweise in Schuhen oder Schuhbestandteilen vorhandene kritische Substanzen - Bestimmung von Nitrosaminen (ISO 19577:2019)

This European Standard was approved by CEN on 9 November 2019.

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EN ISO 19577:2019 (E)

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European foreword

This document (EN ISO 19577:2019) has been prepared by Technical Committee ISO/TC 216 "Footwear" in collaboration with Technical Committee CEN/TC 309 "Footwear" the secretariat of which is held by UNE.

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of an identical text or by endorsement, at the latest by June 2020, and conflicting national standards shall be withdrawn at the latest by June 2020.

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INTERNATIONAL STANDARD

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Footwear — Critical substances potentially present in footwear and footwear components — Determination of Nitrosamines

*Chaussure — Substances critiques potentiellement présentes dans
les chaussures et les composants de chaussure — Détermination des
nitrosamines*



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ISO 19577:2019(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.

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This document was prepared by Technical Committee ISO/TC 216, *Footwear*.

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.

Footwear — Critical substances potentially present in footwear and footwear components — Determination of Nitrosamines

WARNING — The use of this document can involve hazardous materials, operations and equipment. It does not purport to address all of the safety or environmental problems associated with its use. It is the responsibility of users of this document to take appropriate measures to ensure the safety and health of personnel and the environment prior to application of the document.

1 Scope

This document specifies a method for the determination of the content of 12 kinds of Nitrosamines (see [Annex A](#)) in footwear and footwear components by using solvent extraction and Gas chromatography with mass selective detector (GC-MS).

This document is applicable to rubber in footwear materials.

NOTE ISO/TR 16178 defines which materials are concerned by this determination.

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 4787, *Laboratory glassware — Volumetric instruments — Methods for testing of capacity and for use*

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