

<b>STN</b>	<b>Textílie a textilné výrobky</b> <b>Stanovenie niektorých zvyškových rozpúšťadiel</b> <b>Časť 2: Stanovenie benzénu, metóda použitím</b> <b>headspace plynovej chromatografie</b>	<b>STN</b> <b>EN 17131-2</b>  80 8933
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Textiles and textile products - Determination of certain residual solvents - Part 2: Determination of benzene, method using headspace gas chromatography

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

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English Version

## Textiles and textile products - Determination of certain residual solvents - Part 2: Determination of benzene, method using headspace gas chromatography

Textiles et produits textiles - Détermination de certains solvants résiduels - Partie 2 : Détermination du benzène, méthode par chromatographie en phase gazeuse à espace de tête

Textilien und textile Erzeugnisse - Bestimmung bestimmter Lösemittelrückstände - Teil 2: Bestimmung von Benzol, Verfahren mittels Headspace-Gaschromatographie

This European Standard was approved by CEN on 13 January 2025.

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**EN 17131-2:2025 (E)**

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## European foreword

This document (EN 17131-2:2025) has been prepared by Technical Committee CEN/TC 248 “Textiles and textile products”, the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by October 2025, and conflicting national standards shall be withdrawn at the latest by October 2025.

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

This document supersedes EN 17131-2:2019.

This document is Part 2 of the EN 17131 series of standards under the title *Textiles and textile products — Determination of certain residual solvents*:

- *Part 1: Determination of aprotic solvents, method using gas chromatography*;
- *Part 2: Determination of benzene, method using headspace gas chromatography* (this document).

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

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## EN 17131-2:2025 (E)

### Introduction

In Europe, according to Regulation (EU) 2018/1513 amending Annex XVII to Regulation (EC) No 1907/2006 (REACH) by Entry 72 [1], (a) clothing or related accessories; (b) textiles other than clothing which, under normal or reasonably foreseeable conditions of use, come into contact with human skin to an extent similar to clothing; (c) footwear, are not to be placed on the market after 1 November 2020, if they contain more than 5 mg/kg of benzene.

This restriction does not apply to: (a) clothing, related accessories or footwear, or parts of clothing, related accessories or footwear, made exclusively of natural leather, fur or hide; (b) non-textile fasteners and non-textile decorative attachments; (c) second-hand clothing, related accessories, textiles other than clothing or footwear; (d) wall-to-wall carpets and textile floor coverings for indoor use, rugs and runners. It also does not apply to clothing, related accessories, textiles other than clothing, or footwear within the scope of Regulation (EU) 2016/425 on personal protective equipment or Regulation (EU) 2017/745 on medical devices. The restriction on textiles other than clothing does not apply to disposable textiles. “Disposable textiles” means textiles that are designed to be used only once or for a limited time and are not intended for subsequent use for the same or a similar purpose.

Although the Regulation [1] excludes non-textile fastenings and decorative items, this method is also suitable for such components.

**WARNING — The use of this document involves hazardous materials. 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 and fulfil statutory and regulatory requirements for this purpose.**

## 1 Scope

This document specifies a method using headspace gas chromatography and mass selective spectroscopy (HS-GC-MS) for detection and quantification of benzene in components of textile products.

## 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.

EN ISO 4787, *Laboratory glass and plastic ware — Volumetric instruments — Methods for testing of capacity and for use (ISO 4787)*

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