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| <b>STN</b> | <b>Textílie a textilné výrobky</b><br><b>Stanovenie určitých zvyškových rozpúšťadiel</b><br><b>Časť 1: Stanovenie aprotických rozpúšťadiel,</b><br><b>metóda použitím kvapalinovej chromatografie</b> | <b>STN</b><br><b>EN 17131-1</b><br><br>80 8933 |
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Textiles and textile products - Determination of certain residual solvents - Part 1: Determination of aprotic solvents, method using gas chromatography

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. 04/26

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EUROPEAN STANDARD

**EN 17131-1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2025

ICS 59.080.01

Supersedes EN 17131:2019

English Version

## Textiles and textile products - Determination of certain residual solvents - Part 1: Determination of aprotic solvents, method using gas chromatography

Textiles et produits textiles - Détermination de certains solvants résiduels - Partie 1 : Détermination des solvants aprotiques, méthode par chromatographie en phase gazeuse

Textilien und textile Erzeugnisse - Bestimmung bestimmter Lösungsmittelrückstände - Teil 1: Bestimmung aprotischer Lösemittel, Verfahren mittels Gaschromatographie

This European Standard was approved by CEN on 19 October 2025.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

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

**EN 17131-1:2025 (E)**

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## European foreword

This document (EN 17131-1:2025) 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 June 2026, and conflicting national standards shall be withdrawn at the latest by June 2026.

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 17131:2019.

This document includes the following significant technical changes with respect to EN 17131:2019:

- the title has been changed;
- *N,N*-dimethylacetamide (DMAC) and *N*-methyl-2-pyrrolidone (NMP) have been included in the Introduction;
- Clause 1: The scope has been extended to include the analytes DMAC, NMP and *N*-ethyl-2-pyrrolidone (NEP);
- Clause 5: DMAC, NMP and NEP have been added;
- 5.7: The descriptions of the preparation of stock solutions have been changed in order to consider the additional analytes DMAC, NMP and NEP;
- 8.2: The description of the determination with GC-MS has been changed in order to consider the additional analytes DMAC, NMP and NEP;
- 9.1: The headline has been added and the description of the calculation has been changed in order to consider the additional analytes DMAC, NMP and NEP;
- 9.2 and 9.3: Precision of the method including the limit of quantification of the test method has been added;
- Clause 10 has been rephrased;
- Annex A has been extended to include the analytes DMAC, NMP and NEP;
- Annex B: Reliability of the method has been added including certain statistical data of an interlaboratory trial to determine the reliability of the method.

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

A list of all parts in a series can be found on the CEN website: [www.cencenelec.eu](http://www.cencenelec.eu).

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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.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

## 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 3 000 mg/kg of *N,N*-dimethylformamide (DMF), *N,N*-dimethylacetamide (DMAC) or *N*-methyl-2-pyrrolidone (NMP).

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 document 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.**

**EN 17131-1:2025 (E)****1 Scope**

This document specifies a method using gas chromatography with mass selective detector (GC-MS) for detection and quantification of extractable *N,N*-dimethylformamide (DMF), *N,N*-dimethylacetamide (DMAC), *N*-methyl-2-pyrrolidone (NMP) and *N*-ethyl-2-pyrrolidone (NEP) in filaments and coatings 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)*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**

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