

<b>STN</b>	<b>Textílie. Stanovenie obsahu ftalátov. Tetrahydrofuránová metóda (ISO 14389: 2014).</b>	<b>STN EN ISO 14389</b>  80 0819
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Textiles - Determination of the phthalate content - Tetrahydrofuran method (ISO 14389:2014)

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. 10/14

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English Version

**Textiles - Determination of the phthalate content -  
Tetrahydrofuran method (ISO 14389:2014)**Textiles - Détermination de la teneur en phtalates -  
Méthode au tétrahydrofurane (ISO 14389:2014)Textilien - Bestimmung des Phthalatanteils -  
Tetrahydrofuran-Verfahren (ISO 14389:2014)

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## Foreword

This document (EN ISO 14389:2014) has been prepared by Technical Committee ISO/TC 38 "Textiles" in collaboration with 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of an identical text or by endorsement, at the latest by December 2014, and conflicting national standards shall be withdrawn at the latest by December 2014.

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### Endorsement notice

The text of ISO 14389:2014 has been approved by CEN as EN ISO 14389:2014 without any modification.

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## **Textiles — Determination of the phthalate content — Tetrahydrofuran method**

*Textiles — Détermination de la teneur en phtalates — Méthode au  
tétrahydrofurane*





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Tel. + 41 22 749 01 11  
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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. [www.iso.org/directives](http://www.iso.org/directives)

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is ISO/TC 38, *Textiles*.

## Introduction

This International Standard covers a test method for the determination of some phthalates in textile articles.

Phthalates are commonly used as plasticizers in polymers. Phthalates are an issue for textile manufacturers and retailers due to their use within motifs, coated fabrics, plastisol prints, buttons, etc.

Phthalates are controversial because high doses of many phthalates have shown hormonal activity in rodent studies. Studies on rodents involving large amounts of phthalates have shown damage to the liver, the kidneys, the lungs, and the developing testes.

Due to their potential effect as endocrine disruptors, some of the listed phthalates are toxic in reproduction. The listed phthalates are based on those which have been restricted in some regulations (e.g. in the European Union).



# Textiles — Determination of the phthalate content — Tetrahydrofuran method

**WARNING** — This International Standard calls for the use of substances and/or procedures that might be injurious to health if adequate precautions are not taken. It refers only to technical suitability and does not absolve the user from legal obligations relating to health and safety at any stage. It has been assumed in the drafting of this International Standard that the execution of its provisions is entrusted to appropriately qualified and experienced operators.

## 1 Scope

This International Standard specifies a method of determining phthalates in textiles with gas chromatography-mass spectrometry (GC-MS) with mass selective detector.

This International Standard is applicable to textile products where there is a risk of the presence of some phthalates.

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