

Textiles - Determination of certain flame retardants -
Part 1: Brominated flame retardants (ISO
17881-1:2016)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 17881-1:2016 sisaldab Euroopa standardi EN ISO 17881-1:2016 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 17881-1:2016 consists of the English text of the European standard EN ISO 17881-1:2016.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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English Version

**Textiles - Determination of certain flame retardants - Part
1: Brominated flame retardants (ISO 17881-1:2016)**

Textiles - Détermination de certains retardateurs de
flamme - Partie 1: Retardateurs de flamme bromés
(ISO 17881-1:2016)

Textilien - Bestimmung einiger Flammenschutzmittel -
Teil 1: Bromierte Flammenschutzmittel (ISO 17881-
1:2016)

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European foreword

This document (EN ISO 17881-1:2016) 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of an identical text or by endorsement, at the latest by August 2016, and conflicting national standards shall be withdrawn at the latest by August 2016.

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

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Endorsement notice

The text of ISO 17881-1:2016 has been approved by CEN as EN ISO 17881-1:2016 without any modification.

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Foreword

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

ISO 17881 consists of the following parts, under the general title *Textiles — Determination of certain flame retardants*:

- *Part 1: Brominated flame retardants*
- *Part 2: Phosphorus flame retardants*

Textiles — Determination of certain flame retardants —

Part 1: Brominated flame retardants

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1 Scope

This part of ISO 17881 specifies a test method for determining some brominated flame retardants in textiles by gas chromatography – mass spectrometry (GC-MS).

The method is applicable to all kinds of textile products.

2 Principle

The flame retardants are extracted from textile specimen by ultrasonic generator with toluene. The flame retardants in the specimen are identified by GC-MS and quantified by using internal standard method.

3 Reagents

Unless otherwise specified, use only reagents of recognized analytical grade.

- 3.1 **Monobromobiphenyl (MonoBB)**, CAS no. 2052-07-5.
- 3.2 **Dibromobiphenyl (DiBB)**, CAS no. 57422-77-2.
- 3.3 **Tribromobiphenyl (TriBB)**, CAS no. 59080-34-1.
- 3.4 **Tetrabromobiphenyl (TetraBB)**, CAS no. 60044-24-8.
- 3.5 **Pentabromo-1,1'-biphenyl (PentaBB)**, CAS no. 59080-39-6.
- 3.6 **Hexabromobiphenyl (HexaBB)**, CAS no. 60044-26-0.
- 3.7 **Heptabromo-1,1'-biphenyl (HeptaBB)**, CAS no. 88700-06-5.
- 3.8 **Octabromobiphenyl (OctaBB)**, CAS no. 67889-00-3.
- 3.9 **Nonabromobiphenyl (NonaBB)**, CAS no. 69278-62-2.
- 3.10 **Decabromobiphenyl (DecaBB)**, CAS no. 13654-09-6.
- 3.11 **Tetrabromodiphenylether (TetraBDE)**, CAS no. 5436-43-1.