SLOVENSKI STANDARD
oSIST prEN ISO 22744-1:2026

01-december-2026

Tekstilije in tekstilni izdelki - Ugotavljanje organokositrnih spojin - 1. del: Metoda derivatizacije s plinsko kromatografijo (ISO/DIS 22744-1:2026)

Textiles and textile products - Determination of organotin compounds - Part 1: Derivatisation method using gas chromatography (ISO/DIS 22744-1:2026)

Textilien und textile Erzeugnisse - Bestimmung von zinnorganischen Verbindungen - Teil 1: Verfahren mit Derivatisierung und Gaschromatographie (ISO/DIS 22744-1:2026)

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Textiles et produits textiles - Détermination des composés organostanniques - Partie 1: Méthode de dérivation utilisant la chromatographie en phase gazeuse (ISO/DIS 22744-1:2026)

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Ta slovenski standard je istoveten z: **prEN ISO 22744-1**

ICS:

59.080.01	Tekstilije na splošno	Textiles in general
71.040.50	Fizikalnokemijske analitske metode	Physicochemical methods of analysis

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DRAFT International Standard

ISO/DIS 22744-1

Textiles and textile products — Determination of organotin compounds —

Part 1: Derivatisation method using gas chromatography

Textiles et produits textiles — Détermination des composés organostanniques —

Partie 1: Méthode de dérivation utilisant la chromatographie en phase gazeuse

ICS: 59.080.01

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CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
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Contents

Page

Foreword ..... **iv**
Introduction ..... **vi**
1 Scope **1**
2 Normative references **1**
3 Terms and definitions **1**
4 Principle **1**
5 Reagents **2**
5.5 Internal standards (IS) 2
5.5.5 Alternative internal standards 3
5.8.1 Sodium acetate, CAS RN®: 127-09-3. 3
5.8.2 Sodium acetate trihydrate, CAS RN®: 6131-90-4. 3
6 Apparatus and materials **3**
7 Preparation of the test sample **4**
8 Procedure **4**
8.1 General 4
8.2 Preparation of the sodium tetraethylborate solution 4
8.3 Preparation of standard solutions 4
8.3.1 General 4
8.3.2 Internal standards — stock solution (1 000 mg/l of organotin cation) 5
8.3.3 Internal standards — Working solution (10 mg/l of organotin cation) 6
8.3.4 Target compounds — Stock solution (1 000 mg/l of organotin cation) 6
8.3.5 Target compounds — Working solution (10 mg/l of organotin cation) 6
8.4 Preparation of the tropolone solution (5 g/l solution of tropolone) 6
8.5 Preparation of the buffer solution (pH = 4,5) 6
8.6 Preparation of the calibration solutions 6
8.7 Preparation of the extract of the test specimen 7
8.8 Preparation of the blank solution 7
8.9 Determination with gas chromatography 7
8.9.1 General 7
8.9.2 Determination by GC-MS 8
8.9.3 Determination by GC-MS/MS 8
9 Expression of results **8**
9.1 Calibration 8
9.2 Calculation of the results of individual organotin cations 8
9.3 Detection limit and quantification limit 8
9.4 Reliability of the test method 8
10 Test report **9**
Annex A (informative) **Example of instrumental conditions for organotin analysis** **10**
Annex B (informative) **Reliability of the method** **13**
Bibliography **14**

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Foreword

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This document was prepared by the Technical Committee ISO/TC 38, *Textiles*, in collaboration with European Committee for Standardization (CEN) Technical Committee CEN/TC 248, *Textiles and textile products*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

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This second edition cancels and replaces the first edition (ISO 22744-1:2020), which has been technically revised.

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The changes are as follows:

— Clause has been added;

— Clause 1 has been revised and the scope has been expanded to explicitly cover textile fibres, yarns, fabrics, coated fabrics, printed fabrics, plastics and rubber parts of textile products;

— Clause 4 has been revised to include determination by both GC-MS and GC-MS/MS and to better describe the analytical procedure;

— Clause 4, Table 1 has been amended by a footnote concerning the verification of the presense of tetraethyltin in a test sample;

— Clause 5 has been restructured and sodium acetate trihydrate has been addded;

— Clause 6 has been revised to include triple quadrupole mass spectrometers (GC-MS/MS) and further equipment;

— Clause 7 has been revised and clarified;

— Clause 8.3.2 the suggested concentration of the stock solution has been increased;

— Clause 8.3.4 asks the laboartories to decide which target compunds shall be included in the stock solution:

— Clause 8.6 some subclauses have be rephrased;

— Clause 8.9 has been seperated in three subclauses;

— Clause 8.9.1 describes a confirmation procedure for tetraethyltin findings;

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— Clause 8.9.3 on the determination by GC-MS/MS has been added;

— A new Clause 9.1 Calibration has been added:

— The former Clauses 9.1 to 9.5 been substantially revised by replacing the detector response factor (DRF) approach with calibration-curve-based quantification and by simplifying the calculation procedure and have become Clause 9.2;

— The former Clauses 9.6 has become Clauses 9.3;

— Clause 9.4 Reliability of the test method has been added;

— Clause Clause 10 has been rephrased;

— Annex A has been restructured;

— Former Table 3 has become Table A.1;

— Clause A.3 Example of conditions for a triple quadrupole mass spectrometer (MS/MS) has been added;

— Bibliography references cited in the Clause have been added.

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