ISO 14389:2022-10 (E)

Textiles - Determination of the phthalate content - Tetrahydrofuran method

Contents

Page

Foreword ... **iv**

Introduction ... **v**

1 Scope ... **1**

2 Normative references ... **1**

3 Terms and definitions ... **1**

4 Principle ... **1**

5 Reagents ... **2**

6 Apparatus ... **2**

7 Procedure ... **3**

7.1 Cross-contamination provisions ... 3

7.2 Preparation of standard solutions ... 3

7.2.1 Internal standard solution ... 3

7.2.2 Preparation of stock standard solutions ... 3

7.2.3 Preparation of the calibration solutions ... 3

7.3 Ultrasonic extraction and determination of phthalates ... 4

7.3.1 General ... 4

7.3.2 Preparation of test specimen ... 4

7.3.3 Extraction procedure ... 4

7.3.4 Phthalates determination ... 5

8 Calculation of the results ... **5**

8.1 Calculation based on the corrected mass (by default) ... 5

8.2 Calculation based on the total mass (when relevant) ... 6

9 Test report ... **6**

Annex A (normative) **Calculations** ... **7**

Annex B (informative) **Example of test parameters by GC-MS** ... **10**

Annex C (informative) **Determination of PVC mass fraction by chemical method** ... **12**

Annex D (informative) **Statistical data** ... **15**

Bibliography ... **21**