DIN EN ISO 14389:2023-01 (E)

Textiles - Determination of the phtha late content - Tetrahydrofuran method (ISO 14389:2022)

Contents

Page

European foreword ... **3**

Foreword ... **4**

Introduction ... **5**

1 Scope ... **6**

2 Normative references ... **6**

3 Terms and definitions ... **6**

4 Principle ... **6**

5 Reagents ... **7**

6 Apparatus ... **7**

7 Procedure ... **8**
7.1 Cross-contamination provisions ... 8
7.2 Preparation of standard solutions ... 8
7.2.1 Internal standard solution ... 8
7.2.2 Preparation of stock standard solutions ... 8
7.2.3 Preparation of the calibration solutions ... 8
7.3 Ultrasonic extraction and determination of phthalates ... 9
7.3.1 General ... 9
7.3.2 Preparation of test specimen ... 9
7.3.3 Extraction procedure ... 9
7.3.4 Phthalates determination ... 10

8 Calculation of the results ... **10**
8.1 Calculation based on the corrected mass (by default) ... 10
8.2 Calculation based on the total mass (when relevant) ... 11

9 Test report ... **11**

Annex A (normative) **Calculations** ... **12**

Annex B (informative) **Example of test parameters by GC-MS** ... **15**

Annex C (informative) **Determination of PVC mass fraction by chemical method** ... **17**

Annex D (informative) **Statistical data** ... **20**

Bibliography ... **26**