

DIN EN ISO 14389:2023-01 (E)

Textiles - Determination of the phthalate 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 |