DIN EN ISO 22517:2021-11 (Engl isch)

Leather - Chemical tests - Determination of pesticide residues content (ISO 22517:2019)

Contents

Page

European foreword ... **3**

Foreword ... **4**

1 Scope ... **5**

2 Normative references ... **5**

3 Terms and definitions ... **5**

4 Principle ... **5**

5 Safety precautions ... **5**

6 Reagents ... **6**

7 Apparatus ... **6**

8 Procedure ... **7**

8.1 Sample ... 7

8.2 Extraction ... 7

8.3 Purification ... 7

8.4 Calibration solutions ... 8

8.4.1 Preparation of calibration solution mixture ... 8

8.4.2 Preparation of calibration mixture for recovery rate ... 8

8.5 Preparation of blank sample ... 8

8.6 Analysis by GC-MS ... 8

8.7 Check of the analytical system ... 8

9 Evaluation of results ... **9**

9.1 Calculation of results ... 9

9.2 Reliability of the method ... 9

10 Test report ... **9**

Annex A (normative) **24 kinds of pesticide compounds** ... **10**

Annex B (informative) **GC-MS chromatographic conditions and parameters** ... **11**

Annex C (informative) **Retention time, quantitative and qualitative ions and ion abundance ratios** ... **12**

Annex D (informative) **Start time and dwell time of each group of detecting ions** ... **13**

Annex E (informative) **Chromatogram and selected ion of the 24 pesticides standard obtained by GC-MS** ... **14**

Annex F (informative) **Recovery range of pesticides in leather (*n* = 6)** ... **15**

Annex G (informative) **Precision** ... **17**

Bibliography ... **19**