# DIN EN ISO 17075-1:2017-05 (E)

## Leather - Chemical determination of chromium(VI) content in leather - Part 1: Colorimetric method (ISO 17075-1:2017)

## Contents

Page


**European foreword** ... **3**

**Foreword** ... **4**

**1 Scope** ... **5**

**2 Normative references** ... **5**

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

**4 Principle** ... **6**

**5 Chemicals** ... **6**

**6 Apparatus and materials** ... **7**

**7 Procedure** ... **7**

7.1 Sampling and preparation of samples ... 7

7.2 Preparation of analytical solution ... 7

7.3 Determination of chromium(VI) in the solution obtained from the extraction procedure ... 8

7.4 Blank solution ... 8

7.5 Calibration ... 9

7.6 Determination of the recovery rate ... 9

7.6.1 Influence of the matrix ... 9

7.6.2 Influence of the SPE material (6.9) ... 9

**8 Calculation and expression of results** ... **10**

8.1 Calculation of chromium(VI) content ... 10

8.2 Recovery rate (according to 7.6.1) ... 10

8.3 Expression of results ... 11

**9 Test report** ... **11**

**Annex A** (informative) **Solid phase extraction (SPE) material** ... **12**

**Annex B** (informative) **Accuracy** ... **13**

**Annex C** (informative) **Comparison between the colorimetric method (ISO 17075-1) and the ionic chromatography method (ISO 17075-2)** ... **15**