

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 |