

# DIN EN ISO 5398-1:2018-10 (E)

## Leather - Chemical determination of chromic oxide content - Part 1: Quantification by titration (ISO 5398-1:2018)

---

| <b>Contents</b>  | <b>Page</b> |
|--|-------------|
| European foreword .....  | 3           |
| Foreword .....   | 4           |
| Introduction .....   | 5           |
| 1 Scope .....  | 6           |
| 2 Normative references .....   | 6           |
| 3 Terms and definitions .....  | 6           |
| 4 Principle .....  | 6           |
| 5 Sampling and sample preparation .....                                      | 7           |
| 6 Reagents .....   | 7           |
| 6.1 Wet oxidation method .....   | 7           |
| 6.2 Alkaline fusion method .....   | 7           |
| 6.3 Iodometric titration .....   | 7           |
| 7 Apparatus .....  | 7           |
| 8 Methods .....  | 8           |
| 8.1 Preparation of analytical solution .....                                 | 8           |
| 8.1.1 Wet oxidation method .....   | 8           |
| 8.1.2 Alkaline fusion method .....   | 8           |
| 8.2 Measurement of the aqueous solution .....                                | 8           |
| 9 Calculation and expression of results .....                                | 8           |
| 9.1 General .....  | 8           |
| 9.2 Repeatability .....  | 9           |
| 10 Test report .....   | 9           |
| Annex A (informative) Determination of water and other volatile matter ..... | 10          |