# DIN EN ISO 17751-1:2016-11 (E)

## Textiles - Quantitative analysis of cashmere, wool, other specialty animal fibers and their ble nds - Part 1: Light microscopy method (ISO 17751-1:2016)

## Contents

Page


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

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

**Introduction** ... **5**

**1 Scope** ... **6**

**2 Normative references** ... **6**

**3 Terms and definitions** ... **6**

**4 Principle** ... **7**

**5 Apparatus, materials, and reagents** ... **7**
5.1 Apparatus ... 7
5.2 Materials ... 7
5.3 Reagents ... 8

**6 Drawing of laboratory sample and conditioning** ... **8**

**7 Preparation of the test specimens** ... **8**
7.1 Number of test specimens ... 8
7.2 Preparation of the test specimens ... 8
7.2.1 Loose fibre ... 8
7.2.2 Sliver ... 8
7.2.3 Yarn ... 8
7.2.4 Woven fabrics ... 9
7.2.5 Knitted fabrics ... 9
7.3 Decolouring of the laboratory sample ... 9

**8 Test procedure** ... **9**
8.1 Settings of magnification with micrometer scale ... 9
8.2 Fibre identification and fibre diameter measurement ... 9

**9 Calculation of test result** ... **11**

**Annex A** (informative) **Drawing of the lot sample and the laboratory sample** ... **13**

**Annex B** (informative) **Decolouration** ... **14**

**Annex C** (informative) **Surface morphology of common animal fibres** ... **15**

**Annex D** (normative) **Density of common animal fibres** ... **45**

**Bibliography** ... **46**