DIN EN ISO 20418-1:2018-08 (E)

Textiles - Qualitative and quantitative proteomic analysis of some animal hair fibres - Part 1: Pept ide detection using LC-ESI-MS with protein reduction (ISO 20418-1:2018)

Contents

Page

European foreword ... **3**

Foreword ... **4**

Introduction ... **5**

1 Scope ... **6**

2 Normative references ... **6**

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

4 Abbreviated terms ... **7**

5 Reagents ... **7**

6 Apparatus ... **8**

7 Test method ... **8**

7.1 Sampling ... 8
7.2 Preliminary identification ... 8
7.3 Sample preparation ... 8
7.4 Protein extraction ... 9
7.5 Trypsin digestion of the extracted proteins ... 9
7.6 Tryptic peptides analysis by LC-ESI-MS ... 9
7.7 Calculation and expression of results ... 9
7.8 Test report ... 10

Annex A (informative) **Parameters** ... **11**

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

Annex C (informative) **Examples of interlaboratory results** ... **14**

Bibliography ... **16**