

ISO 18074:2015-12 (E)

Textiles - Identification of some animal fibres by DNA analysis method - Cashmere, wool, yak and their blends

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Caution	1
3	Normative references	1
4	Terms and definitions	1
5	Principle	2
6	Apparatus and equipment	3
7	Reagents	4
8	Sampling	6
9	Test methods	6
9.1	General	6
9.2	Chipping sample	6
9.3	DNA extraction	6
9.4	DNA purification	7
9.5	DNA amplification	8
9.5.1	Composition of the reaction solution	8
9.5.2	Condition of PCR amplification instrument for DNA amplification	8
9.5.3	DNA Amplification test method	8
9.6	Detection and confirmation of DNA amplification	9
9.6.1	Preparation	9
9.6.2	Electrophoretic migration test	9
10	Verification	9
10.1	General	9
10.2	No amplification verification after extraction process (negative verification)	9
10.3	Amplification verification after extraction process (positive verification)	10
10.4	Amplification verification after PCR process	10
10.5	No amplification verification after PCR process	10
10.6	Amplification verification of PCR reaction solution	10
11	Assessment	11
12	Precision	11
13	Test report	11
Annex A (informative) Amplification of the constant length DNA fragment by PCR method		13
Annex B (informative) DNA additional purification		15

Annex C (informative) Repeatability and reproducibility	17
Annex D (informative) Practical application to various textile products	21
Bibliography	22