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**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

SN/T 3507-2013

**Identification of cashmere and wool in textiles for import and
export-PCR method and real-time fluorescence. PCR method
(English Translation)**

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Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 Terms and Definitions
- 4 Abbreviations

Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

Please note that some of the content of this document may involve patents. Distribution of this document Institutions do not assume the responsibility to identify these patents.

This standard was proposed by the National Certification and Accreditation Administration Committee.

This standard was drafted. People's Republic of China Fujian Exit Inspection and Quarantine.

1 Scope

This standard specifies the textiles cashmere, wool identification of PCR and real-time PCR method.

This standard applies to the qualitative identification textiles cashmere, wool PCR and real-time PCR method.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

Laboratory use specifications and test methods GB/T 6682 Analysis GB/T 19495.2 technical requirements for GMO testing laboratories

3 Terms and Definitions

The following terms and definitions apply to this document.

Polymerase chain reaction; PCR an analog of the native DNA replication in vitro

amplification method, DNA polymerase catalyzed masterbatch strand DNA as template, specific primer Starting to extend to four kinds of single nucleotide (of dNTP) as substrates, by denaturing - Annealing - extension reaction cycle, so that a very small amount of DNA Specific fragments amplified in just a few hours hundreds of times.

Real-time fluorescence PCR real-timefluorescencePCR Join fluorophore in the PCR reaction system, real-time monitoring fluorescence signal accumulated throughout the PCR process, did not last through the curve Known template quantitative or qualitative analysis.

4 Abbreviations

The following abbreviations apply to this document.

bp. base pairs (basepair) Cycles (cyclethreshold) fluorescence signal within each reaction tube reaches a set threshold when experienced. Ct values DNA. deoxyribonucleic acid (deoxyribonucleicacid) DTT. disulfide sparse sugar alcohol.

dNTP. deoxynucleotide triphosphate (deoxyribonucleosidetriphosphate) Principle 5 DNA samples were extracted by kit method. Mitochondrial DNA sequences of primers and probes designed for goats, sheep, a single PCR, Real-time PCR technology, DNA component of goats, sheep components were specifically amplified, according to the experimental results, it is determined that the sample Whether the product contains cashmere, wool.