
Tekstilije - Kvalitativna in kvantitativna proteomska analiza nekaterih vlaken dlak živali - 1. del: Peptidna detekcija z uporabo LC-ESI-MS z zmanjšanjem beljakovin (ISO 20418-1:2018)

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

Textilien - Qualitative und quantitative Proteomanalyse einiger Tierhaarfasern - Teil 1: Peptiddetektion mittels LC-ESI-MS mit Proteinreduktion (ISO 20418-1:2018)

Textiles - Analyse protéomique qualitative et quantitative de certaines fibres animales - Partie 1: Détection des peptides par LC-ESI-MS avec réduction protéique (ISO 20418-1:2018)

Ta slovenski standard je istoveten z: EN ISO 20418-1:2018

ICS:

59.060.01 Tekstilna vlakna na splošno Textile fibres in general

SIST EN ISO 20418-1:2018

en,fr,de

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EUROPEAN STANDARD

EN ISO 20418-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2018

ICS 59.060.01

English Version

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

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European foreword

This document (EN ISO 20418-1:2018) has been prepared by Technical Committee ISO/TC 38 “Textiles” in collaboration with Technical Committee CEN/TC 248 “Textiles and textile products” the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2018, and conflicting national standards shall be withdrawn at the latest by November 2018.

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INTERNATIONAL
STANDARDISO
20418-1First edition
2018-03

**Textiles — Qualitative and
quantitative proteomic analysis of
some animal hair fibres —****Part 1:
Peptide detection using LC-ESI-MS
with protein reduction**

iTeh STANDARD PREVIEW

(standards.iteh.ai)
*Textiles — Analyse protéomique qualitative et quantitative de
certaines fibres animales —**Partie 1: Détection des peptides par LC-ESI-MS avec réduction
protéique*<https://standards.iteh.ai/catalog/standards/sist/fac035fc-0e49-404a-ba6f-dbea8ef2a5c1/sist-en-iso-20418-1-2018>Reference number
ISO 20418-1:2018(E)

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Published in Switzerland

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Foreword

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This document was prepared by Technical Committee ISO/TC 38, *Textiles*.

A list of all parts in the ISO 20418 series can be found on the ISO website.

Introduction

International producers of textiles in cashmere and other speciality fibres have to be aware of and be able to guarantee the fibre content in order to protect consumers and defend themselves from common frauds. Therefore, it is important to have a harmonized method of analysis at an international level to avoid different interpretations of the results and related conflicts between stakeholders.

The innovations in the method described in this document are

- objective qualitative determination of the presence of fibres derived from animal species and
- quantitative assessment of the relative percentages present in blends.

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