

SLOVENSKI STANDARD SIST EN ISO 18415:2017

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Kozmetika - Mikrobiologija - Ugotavljanje prisotnosti specifičnih in nespecifičnih mikroorganizmov (ISO 18415:2017)

Cosmetics - Microbiology - Detection of specified and non-specified microorganisms (ISO 18415:2017)

Kosmetische Mittel - Mikrobiologie - Nachweis von spezifizierten und nichtspezifizierten Mikroorganismen (ISO 18415:2017) (standards.iteh.ai)

Cosmétiques - Microbiologie - Détection des micro-organismes spécifiés et non spécifiés (ISO 18415:2017) https://standards.iteh.ai/catalog/standards/sist/c0f7954d-1cc7-4309-afa6-ed470edb4297/sist-en-iso-18415-2017

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Cosmetics - Microbiology - Detection of specified and nonspecified microorganisms (ISO 18415:2017)

Cosmétiques - Microbiologie - Détection des microorganismes spécifiés et non spécifiés (ISO 18415:2017) Kosmetische Mittel - Mikrobiologie - Nachweis von spezifizierten und nichtspezifizierten Mikroorganismen (ISO 18415:2017)

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European foreword

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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of an identical text or by endorsement, at the latest by December 2017 and conflicting national standards shall be withdrawn at the latest by December 2017.

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INTERNATIONAL STANDARD

ISO 18415

Second edition 2017-06

Cosmetics — Microbiology — Detection of specified and nonspecified microorganisms

Cosmétiques — Microbiologie — Détection des micro-organismes spécifiés et non spécifiés

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 217, *Cosmetics*.

This second edition cancels and replaces the first edition (480-18415)2007), of which it constitutes a minor revision with the following examples of the first enciso-18415-2017

- in the Scope, "see ISO 29621" has been added and the reference has been added to the Bibliography;
- in the Scope, "used" has been changed to "substituted" and "validated" has been changed to "shown to be suitable":
- in 3.8, the term "validated" has been changed to "demonstrated to be suitable";
- in <u>Clause 4</u>, the term "validated" has been changed to "demonstrated";
- in <u>5.1</u>, "specifications" has been changed to "instructions";
- in <u>5.1</u>, the phrase "are validated" has been changed to "have been demonstrated to be suitable";
- in <u>5.2.1</u>, <u>5.3.3.1</u>, <u>11.3.1</u>, <u>11.3.2</u>, instances of the term "validation" and in the heading title of <u>11.3.3</u> have been changed to "suitability test";
- in 11.3, the term "validation" in the heading title has been changed to "suitability";
- in <u>11.3.3</u>, instances of "validated" have been changed to "satisfactory";
- in <u>Clause 12</u> f), the term "validation" has been changed to "demonstration of the suitability".

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Introduction

Microbiological examinations of cosmetic products are carried out according to an appropriate microbiological risk analysis in order to ensure their quality and safety for consumers.

Microbiological risk analysis depends on several parameters such as:

- potential alteration of cosmetic products;
- pathogenicity of microorganisms;
- site of application of the cosmetic product (hair, skin, eyes, mucous membranes);
- type of user (adults, children including under 3 years).

For cosmetics and other topical products, the detection of skin pathogens such as *Staphylococcus aureus*, *Pseudomonas aeruginosa* and *Candida albicans* may be relevant because they can cause skin or eye infection. The detection of other kinds of microorganisms might be of interest since these microorganisms (including indicators of faecal contamination e.g. *Escherichia coli*) suggest hygienic failure during manufacturing process.

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