



# SLOVENSKI STANDARD SIST EN ISO 21149:2017

01-november-2017

Nadomešča:  
SIST EN ISO 21149:2009

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**Kozmetika - Mikrobiologija - Ugotavljanje prisotnosti in števila aerobnih mezofilnih bakterij (ISO 21149:2017)**

Cosmetics - Microbiology - Enumeration and detection of aerobic mesophilic bacteria (ISO 21149:2017)

Kosmetische Mittel - Mikrobiologie - Zählung und Nachweis von aeroben mesophilen Bakterien (ISO 21149:2017)

Cosmétiques - Microbiologie - Dénombrement et détection des bactéries aérobies mésophiles (ISO 21149:2017)

**Ta slovenski standard je istoveten z: EN ISO 21149:2017**

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**ICS:**

07.100.40      Kozmetika - mikrobiologija      Cosmetics microbiology

**SIST EN ISO 21149:2017**

**en,fr,de**

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EUROPEAN STANDARD

EN ISO 21149

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

## Cosmetics - Microbiology - Enumeration and detection of aerobic mesophilic bacteria (ISO 21149:2017)

Cosmétiques - Microbiologie - Dénombrement et détection des bactéries aérobies mésophiles (ISO 21149:2017)

Kosmetische Mittel - Mikrobiologie - Zählung und Nachweis von aeroben mesophilen Bakterien (ISO 21149:2017)

This European Standard was approved by CEN on 26 April 2017.

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COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

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## European foreword

This document (EN ISO 21149:2017) has been prepared by Technical Committee ISO/TC 217 “Cosmetics” in collaboration with Technical Committee CEN/TC 392 “Cosmetics” the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by December 2017, and conflicting national standards shall be withdrawn at the latest by December 2017.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 21149:2009.

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INTERNATIONAL  
STANDARD

ISO  
21149

Second edition  
2017-06

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**Cosmetics — Microbiology —  
Enumeration and detection of aerobic  
mesophilic bacteria**

*Cosmétiques — Microbiologie — Dénombrement et détection des  
bactéries aérobies mésophiles*

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## Foreword

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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](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

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

This second edition cancels and replaces the first edition (ISO 21149:2006), of which it constitutes a minor revision with the following changes:

- in the Scope, “validated” has been changed to “shown to be suitable”;
- in the Scope, “see ISO 29621” has been added and the reference has been added to the Bibliography;
- in 4.1, “validated” has been changed to “demonstrated”;
- in 4.3, “validated” has been changed to “described”;
- in 5.1, “specifications” has been changed to “instructions”;
- in 9.3.2.1, 9.3.2.2 and 9.3.2.3, “validated” has been changed to “described”;
- in 9.3.2.3, “procedure developed during the validation” has been changed to “suitability test procedure”;
- in 9.4.1, “validation” has been changed to “suitability test”;
- in 12.2.1, “validated according to the chosen method” has been changed to “demonstrated to be suitable for the chosen method”;
- in 13.3 and 13.4, “validation” has been changed to “suitability”;
- in 13.3.2, 13.3.3 and 13.3.4, “validation” has been changed to “suitability”;
- in 13.3.2, 13.3.3 and 13.3.4, “if the validation count is at least 50 % (0,3 log) of the control count” has been changed to “if the count is at least 50 % of the control”;
- in 13.4.1, instances of “validation test” have been changed to “suitability test”;

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- in [13.4.2](#), instances of “validation plate” have been changed to “suitability test plate”;
- in [13.5](#), “validation results” has been changed to “suitability test results” and “validation plates” has been changed to “suitability test plates”;
- in [Clause 14](#) f), “validation of the method” has been changed to “demonstration of the suitability”;
- in [A.1](#), [B.1](#) and [C.1](#), “validated” has been changed to “demonstrated to be suitable”.

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