

# SVENSK STANDARD

## SS-EN ISO 21149:2017

Fastställt/Approved: 2017-07-19  
Publicerad/Published: 2017-07-21  
Utgåva/Edition: 2  
Språk/Language: engelska/English  
ICS: 07.100.40; 07.100.99; 71.100.70

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**Kosmetika – Mikrobiologi – Räkning och detektion av aeroba mesophila bakterier (ISO 21149:2017)**

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

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Europastandarden EN ISO 21149:2017 gäller som svensk standard. Detta dokument innehåller den officiella engelska versionen av EN ISO 21149:2017.

Denna standard ersätter SS-EN ISO 21149:2009, utgåva 1.

The European Standard EN ISO 21149:2017 has the status of a Swedish Standard. This document contains the official version of EN ISO 21149:2017.

This standard supersedes the Swedish Standard SS-EN ISO 21149:2009, edition 1.

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EUROPEAN STANDARD

**EN ISO 21149**

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2017

ICS 71.100.70; 07.100.99

Supersedes EN ISO 21149:2009

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.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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**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.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

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### **Endorsement notice**

The text of ISO 21149:2017 has been approved by CEN as EN ISO 21149:2017 without any modification.

**SS-EN ISO 21149:2017 (E)**

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

## 1 Scope

This document gives general guidelines for enumeration and detection of aerobic mesophilic bacteria present in cosmetics

- by counting the colonies on agar medium after aerobic incubation, or
- by checking the absence of bacterial growth after enrichment.

Because of the large variety of cosmetic products within this field of application, this method may not be appropriate for some products in every detail (e.g. certain water immiscible products). Other methods (e.g. automated) may be substituted for the tests presented here provided that their equivalence has been demonstrated or the method has been otherwise shown to be suitable.

If needed, microorganisms enumerated or detected may be identified using suitable identification tests described in the standards given in the Bibliography.

In order to ensure product quality and safety for consumers, it is advisable to perform an appropriate microbiological risk analysis to determine the types of cosmetic products to which this document is applicable. Products considered to present a low microbiological risk (see ISO 29621) include those with low water activity, hydro-alcoholic products, extreme pH values, etc.

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 21148:2017, *Cosmetics — Microbiology — General instructions for microbiological examination*

EN 12353, *Chemical disinfectants and antiseptics — Preservation of test organisms used for the determination of bactericidal (including Legionella), mycobactericidal, sporicidal, fungicidal and virucidal (including bacteriophages) activity*

## 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

### 3.1

#### **aerobic mesophilic bacterium**

mesophilic bacterium growing aerobically under the conditions specified in this document

Note 1 to entry: In the described conditions, other types of microorganisms (e.g. yeast, mould) can be detected.