



BSI Standards Publication

Cosmetics — Microbiology — Detection of *Candida albicans*

National foreword

This British Standard is the UK implementation of EN ISO 18416:2015+A1:2022. It is identical to ISO 18416:2015, incorporating amendment 1:2022. It supersedes BS EN ISO 18416:2009 which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to ISO text carry the number of the ISO amendment. For example, text altered by ISO amendment 1 is indicated by **A1** **A1**.

The UK participation in its preparation was entrusted to Technical Committee CW/217, Cosmetics.

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English Version

**Cosmetics - Microbiology - Detection of *Candida albicans*
(ISO 18416:2015, Corrected version 2016-12-15)**

Cosmétiques - Microbiologie - Détection de *Candida albicans* (ISO 18416:2015, Version corrigée 2016-12-15)

Kosmetische Mittel - Mikrobiologie - Nachweis von *Candida albicans* (ISO 18416:2015, korrigierte Fassung 2016-12-15)

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European foreword

This document (EN ISO 18416:2015) 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of an identical text or by endorsement, at the latest by juin 2016, and conflicting national standards shall be withdrawn at the latest by juin 2016.

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The text of ISO 18416:2015, Corrected version 2016-12-15 has been approved by CEN as EN ISO 18416:2015 without any modification.

European foreword

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This Amendment to the European Standard EN ISO 18416:2015 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2023, and conflicting national standards shall be withdrawn at the latest by April 2023.

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The text of ISO 18416:2015/Amd 1:2022 has been approved by CEN as EN ISO 18416:2015/A1:2022 without any modification.

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Foreword

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The committee responsible for this document is ISO/TC 217, *Cosmetics*.

This second edition cancels and replaces the first edition (ISO 18416:2007), of which it constitutes a minor revision.

This corrected version of ISO 18416:2015 incorporates the following correction:

- in the second paragraph of [11.2](#), “10⁸ CFU per ml” has been replaced by “10⁶ CFU per ml”.

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 the following:

- potential alteration of cosmetic products;
- pathogenicity of microorganisms;
- site of application of the cosmetic product (hair, skin, eyes, mucous membranes);
- type of users (adults, children 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 infections. The detection of other kinds of microorganism might be of interest since these microorganisms (including indicators of faecal contamination e.g. *Escherichia coli*) suggest hygienic failure during the manufacturing process.