

ISO 18415:2007-09 (E)

Cosmetics - Microbiology - Detection of specified and non-specified microorganisms

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Principle	3
5 Diluents and culture media	3
5.1 General	3
5.2 Diluent for the microbial suspension (tryptone sodium chloride solution)	3
5.3 Culture media	4
6 Apparatus and glassware	5
7 Strains of microorganism	5
8 Handling of cosmetic products and laboratory samples	6
9 Procedure	6
9.1 General recommendations	6
9.2 Preparation of the initial suspension in the enrichment broth	6
9.3 Incubation of the initial suspension	7
9.4 Isolation of specified and non-specified microorganisms	7
9.5 Procedure for identification of the specified microorganism: <i>Pseudomonas aeruginosa</i>	7
9.6 Procedure for identification of the specified microorganism: <i>Escherichia coli</i>	8
9.7 Procedure for identification of the specified microorganism: <i>Staphylococcus aureus</i>	8
9.8 Procedure for the identification of the specified microorganism: <i>Candida albicans</i>	9
9.9 Procedure for the identification of non-specified microorganisms	9
10 Expression of the results	10
10.1 Detection of specified microorganisms	10
10.2 Detection of non-specified microorganisms	10
10.3 Absence of microorganisms	10
11 Neutralization of the antimicrobial properties of the product	10
11.1 General	10
11.2 Preparation of inoculum	10
11.3 Validation of detection method by enrichment	11
12 Test report	12
Annex A (informative) General scheme for identification of microorganisms	13
Annex B (informative) Other Media	14
Annex C (informative) Neutralizers of antimicrobial activity of preservatives and rinsing liquids	17
Bibliography	18