DIN EN ISO 22718:2023-01 (E)

Cosmetics - Microbiology - Detection of Staphylococcus aureus (ISO 22718:2015 + Amd 1:2022) (includes Amendment :2022)

Contents

Page

European foreword 4

European foreword to Amendment A1" 5

Foreword 6

Introduction 7

1 Scope 8

2 Normative references 8

3 Termsanddefinitions 8

4 Principle 9

5 Diluents and culture media 9
5.1 General 9
5.2 Diluent for the bacterial suspension (tryptone sodium chloride solution) 10
5.2.1 General 10
5.2.2 Composition 10
5.2.3 Preparation 10
5.3 Culture media 10
5.3.1 General 10
5.3.2 Agar medium for the suitability test (see Clause 11) [soybean-casein digest agar medium (SCDA) or tryptic soy agar (TSA)] 10
5.3.3 Enrichment broth 11
5.3.4 Selective agar medium for isolation of Staphylococcus aureus 12

6 Apparatus and glassware 14

7 Strains of microorganisms 14

8 Handling of cosmetic products and laboratory samples 14

9 Procedure 14
9.1 General recommendation 14
9.2 Preparation of the initial suspension in the enrichment broth 14
9.2.1 General 14
9.2.2 Water-miscible products 15
9.2.3 Water-immiscible products 15
9.2.4 Filterable products 15
9.3 Incubation of the inoculated enrichment broth 15
9.4 Detection and identification of Staphylococcus aureus 15
9.4.1 Isolation 15
9.4.2 Identification of Staphylococcus aureus 15

10 Expression of the results (detection of Staphylococcus aureus) 16

11 Neutralization of the antimicrobial properties of the product 16
11.1 General 16

11.2 Preparation of inoculum 16
11.3 Suitability of the detection method 17
11.3.1 Procedure 17
11.3.2 Interpretation of suitability test results 17

12 Test report 18

Annex A (informative) Other media 19

Annex B (informative) Neutralizers of antimicrobial activity of preservatives and rinsing liquids 22

Bibliography 23