SRI LANKA STANDARD 1351: 2016

ISO 22718: 2015 UDC 655.58: 579.63

METHOD OF TEST FOR THE DETECTION OF Staphylococcus aureus IN COSMETICS (FIRST REVISION)

SRI LANKA STANDARDS INSTITUTION

Sri Lanka Standard METHOD OF TEST FOR THE DETECTION OF Staphylococcus aureus IN COSMETICS (First Revision)

SLS 1351 : 2016 ISO 22718 : 2015

Gr.H

Copyright Reserved
SRI LANKA STANDARDS INSTITUTION
17, Victoria Place
Elvitigala Mawatha
Colombo 08
SRI LANKA

SLS 1351 : 2016 ISO 22718 : 2015

Sri Lanka Standard METHOD OF TEST FOR THE DETECTION OF Staphylococcus aureus IN COSMETICS (First Revision)

FOREWORD

This Sri Lanka Standard was approved by the Sectoral Committee on Chemical and Polymer Technology and was authorized for adoption and publication as a Sri Lanka Standard by the Council of the Sri Lanka Standards Institution on 2016-10-27.

This Sri Lanka Standard was first published in 2008 which was an adoption of ISO 22718: 2006 Cosmetics – Microbiology – Detection of *Staphylococcus aureus*. The International Standard ISO 22718: 2006 has been technically revised in 2015. ISO 22718: 2015 which gives general guidelines for the detection and identification of *Staphylococcus aureus* in cosmetic products has been accepted to adopt as the first revision to **SLS 1351: 2016**

This Standard is identical with ISO 22718 : 2015 Cosmetics – Microbiology – Detection of *Staphylococcus aureus*, published by the International Organization for Standardization (ISO).

TERMINOLOGY AND CONVENTIONS:

The text of the International Standard has been accepted as suitable for publication, without deviation, as a Sri Lanka Standard. However, certain terminology and conventions are not identical with those used in Sri Lanka Standards. Attention is therefore drawn to the following:

- a) Wherever the words 'International Standard' appear referring to a particular standard, they should be interpreted as "Sri Lanka Standard".
- b) The comma has been used throughout as a decimal marker. In Sri Lanka Standards it is the current practice to use the full point at the base as the decimal marker.
- c) Wherever page numbers are quoted, they are ISO page numbers.

INTERNATIONAL STANDARD

ISO 22718

Second edition 2015-12-01

Cosmetics — Microbiology — **Detection of** *Staphylococcus aureus*

Cosmétiques — Microbiologie — Détection de Staphylococcus aureus



Contents			Page
Fore	word		iv
Intro	oductio	n	v
1	Scope	<u>a</u>	1
2	Normative references		
3	Terms and definitions		
4 5	Principle		
	Diluents and culture media 5.1 General		
	5.2	Diluent for the bacterial suspension (tryptone sodium chloride solution)	
	0.2	5.2.1 General	
		5.2.2 Composition	
		5.2.3 Preparation	
	5.3	Culture media	
		5.3.1 General	3
		5.3.2 Agar medium for the suitability test (see <u>Clause 11</u>) [soybean-casein	0
		digest agar medium (SCDA) or tryptic soy agar (TSA)]	3 1
		5.3.4 Selective agar medium for isolation of <i>Staphylococcus aureus</i>	4 5
_	A		
6		ratus and glassware	
7		ns of microorganisms	
8	Hand	ling of cosmetic products and laboratory samples	6
9	Procedure		7
	9.1	General recommendation	
	9.2	Preparation of the initial suspension in the enrichment broth	
		9.2.1 General	
		9.2.2 Water-miscible products	
		9.2.3 Water-immiscible products 9.2.4 Filterable products	
	9.3	Incubation of the inoculated enrichment broth	
	9.4	Detection and identification of <i>Staphylococcus aureus</i>	
	7.1	9.4.1 Isolation	
		9.4.2 Identification of <i>Staphylococcus aureus</i>	
10	Expr	ession of the results (detection of Staphylococcus aureus)	8
11	Neutralization of the antimicrobial properties of the product		9
	11.1	General	
	11.2	Preparation of inoculum	
	11.3	Suitability of the detection method	
		11.3.1 Procedure	
		11.3.2 Interpretation of suitability test results	
12		report	
Ann	ex A (inf	formative) Other media	11
Ann		formative) Neutralizers of antimicrobial activity of preservatives and	
		ng liquids	
Bibli	iograph	y	15