

SRI LANKA STANDARD 1350 : 2016

ISO 22717 : 2015

UDC 665.58:579.63

**METHOD OF TEST FOR
THE DETECTION OF *Pseudomonas aeruginosa* IN
COSMETICS
(First Revision)**

SRI LANKA STANDARDS INSTITUTION

Sri Lanka Standard
METHOD OF TEST FOR THE DETECTION OF
***Pseudomonas aeruginosa* IN COSMETICS**
(First Revision)

SLS 1350 : 2016
ISO 22717 : 2015

Gr. G

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

Sri Lanka Standard
METHOD OF TEST FOR THE DETECTION OF
***Pseudomonas aeruginosa* 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 22717 : 2006 Cosmetics – Microbiology – Detection of *Pseudomonas aeruginosa*. The International Standard ISO 22717 : 2006 has been technically revised in 2015. ISO 22717 : 2015 which gives general guidelines for the detection and identification of *Pseudomonas aeruginosa* in cosmetic products has been accepted to adopt as the first revision to **SLS 1350 : 2016**

This Standard is identical with ISO 22717 : 2015 Cosmetics – Microbiology – Detection of *Pseudomonas aeruginosa*, 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

SLS 1350:2016

ISO
22717

Second edition
2015-11-15

**Cosmetics — Microbiology —
Detection of *Pseudomonas aeruginosa***

*Cosmétiques — Microbiologie — Détection de Pseudomonas
aeruginosa*



Reference number
ISO 22717:2015(E)

© ISO 2015

Contents

	Page
Foreword.....	iv
Introduction.....	v
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	1
4 Principle.....	2
5 Diluents and culture media.....	2
5.1 General.....	2
5.2 Diluent for the bacterial suspension (tryptone sodium chloride solution).....	3
5.2.1 General.....	3
5.2.2 Composition.....	3
5.2.3 Preparation.....	3
5.3 Culture media.....	3
5.3.1 General.....	3
5.3.2 Agar medium for the suitability test (see Clause 11) [soybean–casein digest agar medium (SCDA) or tryptic soy agar (TSA)].....	3
5.3.3 Enrichment broth.....	4
5.3.4 Selective agar medium for isolation of <i>Pseudomonas aeruginosa</i>	5
5.3.5 Selective agar medium for confirmation of <i>Pseudomonas aeruginosa</i>	5
6 Apparatus and glassware.....	6
7 Strains of microorganisms.....	6
8 Handling of cosmetic products and laboratory samples.....	6
9 Procedure.....	6
9.1 General recommendation.....	6
9.2 Preparation of the initial suspension in the enrichment broth.....	6
9.2.1 General.....	6
9.2.2 Water-miscible products.....	7
9.2.3 Water-immiscible products.....	7
9.2.4 Filterable products.....	7
9.3 Incubation of the inoculated enrichment broth.....	7
9.4 Detection and Identification of <i>Pseudomonas aeruginosa</i>	7
9.4.1 Isolation.....	7
9.4.2 Identification of <i>Pseudomonas aeruginosa</i>	7
10 Expression of results (detection of <i>Pseudomonas aeruginosa</i>).....	8
11 Neutralization of the antimicrobial properties of the product.....	8
11.1 General.....	8
11.2 Preparation of the inoculum.....	8
11.3 Suitability of the detection method.....	8
11.3.1 Procedure.....	8
11.3.2 Interpretation of suitability test results.....	9
12 Test report.....	9
Annex A (informative) Other enrichment broths.....	10
Annex B (informative) Neutralizers of antimicrobial activity of preservatives and rinsing liquids.....	12
Bibliography.....	13