

DIN EN ISO 22717:2016-05 (E)

Cosmetics - Microbiology - Detection of *Pseudomonas aeruginosa* (ISO 22717:2015),
German version EN ISO 22717:2015

Contents		Page
European foreword		3
Foreword		4
Introduction		5
1	Scope	6
2	Normative references	6
3	Terms and definitions	6
4	Principle	7
5	Diluents and culture media	7
5.1	General.....	7
5.2	Diluent for the bacterial suspension (tryptone sodium chloride solution).....	8
5.2.1	General.....	8
5.2.2	Composition.....	8
5.2.3	Preparation.....	8
5.3	Culture media.....	8
5.3.1	General.....	8
5.3.2	Agar medium for the suitability test (see Clause 11) [soybean–casein digest agar medium (SCDA) or tryptic soy agar (TSA)].....	8
5.3.3	Enrichment broth.....	9
5.3.4	Selective agar medium for isolation of <i>Pseudomonas aeruginosa</i>	10
5.3.5	Selective agar medium for confirmation of <i>Pseudomonas aeruginosa</i>	10
6	Apparatus and glassware	11
7	Strains of microorganisms	11
8	Handling of cosmetic products and laboratory samples	11
9	Procedure	11
9.1	General recommendation.....	11
9.2	Preparation of the initial suspension in the enrichment broth.....	11
9.2.1	General.....	11
9.2.2	Water-miscible products.....	12
9.2.3	Water-immiscible products.....	12
9.2.4	Filterable products.....	12
9.3	Incubation of the inoculated enrichment broth.....	12
9.4	Detection and Identification of <i>Pseudomonas aeruginosa</i>	12
9.4.1	Isolation.....	12
9.4.2	Identification of <i>Pseudomonas aeruginosa</i>	12
10	Expression of results (detection of <i>Pseudomonas aeruginosa</i>)	13
11	Neutralization of the antimicrobial properties of the product	13
11.1	General.....	13
11.2	Preparation of the inoculum.....	13
11.3	Suitability of the detection method.....	13
11.3.1	Procedure.....	13
11.3.2	Interpretation of suitability test results.....	14

12	Test report	14
	Annex A (informative) Other enrichment broths	15
	Annex B (informative) Neutralizers of antimicrobial activity of preservatives and rinsing liquids	17
	Bibliography	18