

DIN EN ISO 16212:2011-08 (E)

Cosmetics - Microbiology - Enumeration of yeast and mould (ISO 16212:2008)

Contents		Page
Foreword		3
1	Scope	4
2	Normative references	4
3	Terms and definitions	4
4	Principles	5
4.1	General	5
4.2	Plate count	5
4.3	Membrane filtration	5
5	Diluents, neutralizers and culture media	6
5.1	General	6
5.2	Neutralizing diluents and diluents	6
5.3	Diluent for yeast suspension (tryptone sodium chloride solution)	7
5.4	Culture media	7
6	Apparatus and glassware	8
7	Strain of microorganisms	8
8	Handling of cosmetic products and laboratory samples	9
9	Procedure	9
9.1	General recommendation	9
9.2	Preparation of the initial suspension	9
9.3	Counting methods	9
10	Counting of colonies (plate counts and membrane filtration methods)	10
11	Expression of results	11
11.1	Method of calculation for plate count	11
11.2	Interpretation	11
12	Neutralization of the antifungal properties of the product	13
12.1	General	13
12.2	Preparation of inoculum	13
12.3	Validation of counting methods	14
13	Test report	15
Annex A (informative) Other neutralizing diluents		16
Annex B (informative) Other diluents		18
Annex C (informative) Other culture media		19
Annex D (informative) Neutralizers of antifungal activity of preservatives and rinsing liquids		21
Bibliography		22