

DIN EN 16616:2022-10 (E)

Chemical disinfectants and antiseptics - Chemical-thermal textile disinfection - Test method and requirements (phase 2, step 2)

Contents		Page
European foreword		4
Introduction		6
1	Scope	7
2	Normative references	7
3	Terms and definitions	7
4	Requirements	8
5	Test methods	9
5.1	Principle	9
5.2	Materials and reagents	9
5.2.1	Test organisms	9
5.2.2	Culture media and reagents	10
5.3	Apparatus and glassware	12
5.3.1	General	12
5.3.2	Usual microbiological laboratory equipment	13
5.4	Preparation of test organism suspensions (test suspension)	15
5.4.1	General	15
5.4.2	Preservation and stock cultures of test organisms	15
5.4.3	Working culture and test organisms	16
5.4.4	Test suspension (N)	16
5.4.5	Inoculation of the carriers	20
5.5	Procedure for assessing the microbicidal activity of the product	21
5.5.1	General	21
5.5.2	Test procedure	22
5.6	Experimental data and calculation	24
5.6.1	Explanation of terms and abbreviations	24
5.6.2	Calculation	25
5.7	Verification of methodology	27
5.7.1	General	27
5.7.2	Control of weighted mean counts	28
5.7.3	Basic limits	28
5.8	Expression of results and precision	28
5.8.1	Reduction	28
5.8.2	Repetitions	29
5.9	Interpretation of results - conclusion	29
5.9.1	General	29
5.9.2	Microbicidal activity	29
5.10	Test report	30
Annex A (informative) Referenced strains in national collections		32
Annex B (informative) Suitable neutralizers		34
B.1	General	34
B.2	Neutralizers	34
B.3	Neutralizer added to the agar for counting	35

Annex C (informative) Graphical representations of the test method	36
Annex D (informative) Example of washing machine specification	37
Annex E (informative) Preparation of hard water for using in the test and reference procedures	38
Annex F (informative) Test report (example)	39
Annex G (informative) Example for loading the washing machine	46
Bibliography	48