

NAMS 16616:2024

First Edition

EN 16616:2022

NAMIBIAN STANDARD

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

This Namibian standard is the identical adoption of EN 16616:2022 and is adopted with the permission of the European Committee for Standardization

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National foreword

This Namibian Standard (NAMS) is identical to EN 16616:2022, and was approved for adoptions by the Namibian Standards Institution CEO.

Namibian standards are developed based on NSI Standards development procedures in accordance with the rules given in the International Organisation for Standardisation/ International Electrotechnical Commission (ISO/IEC) Directives 1, ISO/IEC Guide 21-1 Adoption of international standards as regional or national standards and WTO – TBT World Trade Organisation code of Good Practice (which is published as Annex 3 in the TBT Agreement)

The NSI Technical Committee responsible for this standard is NSI TC 14, Chemicals.

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English Version

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

Désinfectants chimiques et antiseptiques - Désinfection
thermochimique du textile - Méthode d'essai et
prescriptions (phase 2, étape 2)

Chemische Desinfektionsmittel und Antiseptika -
Chemothermische Wäschedesinfektion - Prüfverfahren
und Anforderungen (Phase 2, Stufe 2)

This European Standard was approved by CEN on 27 June 2022.

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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN 16616:2022) has been prepared by Technical Committee CEN/TC 216 “Chemical disinfectants and antiseptics”, the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2023, and conflicting national standards shall be withdrawn at the latest by February 2023.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 16616:2015.

The document was revised to adapt it to the latest state of science, to correct errors and ambiguities, to harmonize the structure and wording with other tests of CEN/TC 216 existing or in preparation and to improve the readability of the document and thereby make it more understandable. The following is a list of significant technical changes since the last edition, EN 16616:2015:

- the scope is adapted to the scope of the WG 1;
- in Clause 4 the requirements for phase 2, step 1 tests are deleted;
- addition of water for the test and reference control (5.2.2.4);
- the example for washing machines in 5.3.2.18 of the previous version is switched to Annex D;
- addition of Potter S 1 apparatus (5.3.2.22);
- adaption of 5.4.3.1 to 5.4.3.3 to other current standards;
- review of 5.4.4 (editorial changes and better description);
- re-wording of the description of the neutralization (5.5.1.2) and addition of a reference to phase 2, step 1 tests;
- addition of an information on using a spectrophotometer for counting cell numbers of mycobacteria in 5.4.4.3 (NOTE);
- addition of the documentation and justification of the choice of the neutralizer in the test report (5.5.1.2);
- addition of a new NOTE in 5.5.2.1;
- addition of a NOTE and the reference to Annex G in 5.5.2.2;
- addition of the reference control (5.5.2.3);
- RII is deleted;
- a reference to phase 2, step 1 tests was added;
- correction and adaption to the current tests of Table 2 (5.6.1.1);

- addition of two paragraphs in 5.6.2.1 (former 5.6.2.3);
- in 5.6.2.2 the V_C -values will be expressed per carrier (former per ml);
- addition of N and N_0 in the calculation (5.6.2.3);
- in 5.6.2.4 the calculation is changed to values per carrier, the formula is corrected and the weighted mean is added in all calculations;
- in 5.6.2.5 calculation is changed: only N_w will be calculated, RI is not counted and RII , B and C are no longer used in the standard;
- correction of the example in 5.7.2;
- adaption of 5.7.3 to the tests in the current version;
- addition of the requirements of the test report in 5.10;
- adaption of Annex A to EN 12353;
- correction of Annex C;
- addition of a new Annex D “Example of washing machine specification”;
- addition of a new Annex E “Preparation of hard water for using in the test and reference procedures”;
- addition of a new Annex F “Test report (example)”;
- addition of a new Annex G “Example for loading the washing machine”;
- document editorially revised, clauses not applied (from the old version) deleted;
- de-harmonization of the standard, Annex ZA deleted.

The changes of this revision have no impact on the test results obtained with reference to the version EN 16616:2015. Those results are still valid except the reduction of the reference control N_w was higher than 3 lg and/or the calculation of the results followed the wrong way of version 2015.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Introduction

This document specifies a carrier test for establishing whether a single-wash disinfecting product or combination of products for the treatment of contaminated textile has or does not have necessary microbicidal activity. This document only intends to validate the disinfection part of the laundry process.

This laboratory test takes into account practical conditions of application of the product including contact time, temperature, test organisms and interfering substances, i.e. conditions which could influence its action in practice.

The conditions are intended to cover general purposes and to allow reference between microbiological laboratories and types of detergents and disinfectants. Each effective dosage of the chemical disinfectant found by this test corresponds only to the chosen experimental conditions. Where actual conditions vary additional testing in microbiological laboratories is needed to determine the effective dosage. Instructions for use are the responsibility of manufactures of detergents or disinfectants.