

STN	Trvanlivosť dreva a výrobkov na báze dreva Stanovenie emisií z dreva ošetreného ochranným prostriedkom do životného prostredia Drevené komodity vystavené používaniu v triede 3 (bez povrchovej úpravy, nie v kontakte s pôdou) Metóda v poloprírodných podmienkach	STN EN 16663 49 0671
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Biological durability of wood and wood-based products - Determination of emissions from preservative treated wood to the environment - Wooden commodities exposed in Use Class 3 (Not covered, not in contact with the ground) - Semi-field method

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 02/26

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English Version

Biological durability of wood and wood-based products -
Determination of emissions from preservative treated
wood to the environment - Wooden commodities exposed
in Use Class 3 (Not covered, not in contact with the
ground) - Semi-field method

Durabilité biologique du bois et des matériaux dérivés
du bois - Détermination des émissions dans
l'environnement du bois traité avec des produits de
préservation - Produits de base en bois exposés à la
classe d'emploi 3 (dans un endroit non abrité, n'étant
pas en contact avec le sol) - Méthode semi-terrain

Biologische Dauerhaftigkeit von Holz und
Holzprodukten - Bestimmung von Emissionen von mit
Holzschutzmitteln behandeltem Holz an die Umwelt -
Holzprodukte in Gebrauchsklasse 3 (nicht abgedeckt,
ohne Erdkontakt) - Semi-Feldverfahren

This European Standard was approved by CEN on 19 October 2025.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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EN 16663:2025 (E)

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European foreword

This document (EN 16663:2025) has been prepared by Technical Committee CEN/TC 38 “Biological durability of wood and wood-based products”, the secretariat of which is held by SIS.

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of an identical text or by endorsement, at the latest by May 2026, and conflicting national standards shall be withdrawn at the latest by May 2026.

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.

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EN 16663:2025 (E)**Introduction**

The leaching from preservative treated wood into the environment needs to be quantified to enable an environmental risk assessment to be made of the treated wood, e.g. according to the Biocidal Products Regulation, Regulation (EU) 528/2012 [2]. This document describes a semi-field method for the determination of leachate from wood treated with preservatives where the treated wood is not covered and not in contact with the ground or water (Use Class 3 according to EN 335).

The method is a semi-field procedure for obtaining water samples (leachate) from treated wood exposed out of ground contact, during natural exposure. The quantities of emissions in the leachate are related to the surface area of the wood and can be used in scenarios for the environmental risk assessment of the treated wood.

The principle of this test is based on Nordtest Standard NT Build 509: NORDTEST Method; *Leaching of active ingredients from preservative-treated timber – Semi-field testing* [1].

Test results obtained with earlier versions of this document from tests commissioned prior to the publication of this document are still valid.

NOTE The leachate can also be tested for eco-toxicological effects (example: OECD 202 testing on *Daphnia* sp.).

1 Scope

This document specifies a method for determining the leaching of active ingredients or other compounds from preservative treated wood by a semi-field method for Use Class 3 (outdoor above ground). The preservative treated wood can be tested with or without subsequently surface coating or other water-repellent treatment. The method is applicable to the testing of commercial or experimental preservatives or paint systems applied to timber by methods appropriate to commercial practice.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN ISO 5667-3, *Water quality — Sampling — Part 3: Preservation and handling of water samples (ISO 5667-3)*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN