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Analytical Method for the Analysis of Propiconazole in treated Wood Samples

S.R. CEN/TR 16420:2012

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English Version

Analytical Method for the Analysis of Propiconazole in treated Wood Samples

Méthode d'analyse du propiconazole dans des échantillons
de bois traité

Analyseverfahren zum Nachweis von Propiconazol in
behandelten Holzproben

This Technical Report was approved by CEN on 27 August 2012. It has been drawn up by the Technical Committee CEN/TC 38.

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Foreword

This document (CEN/TR 16420:2012) has been prepared by Technical Committee CEN/TC 38 “Durability of wood and wood-based products”, the secretariat of which is held by AFNOR.

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1 Scope

This CEN Technical Report specifies a laboratory method for determining the content of propiconazole in treated wood using either Gas Chromatography (GC) or High Performance Liquid Chromatography (HPLC).

The method is aiming at determining the treatment quality at the time of treatment.

NOTE 1 Under appropriate circumstances the method is applicable for tebuconazole-treated wood as well as for the analysis of waste timber with respect to its propiconazole content.

The method has a detection limit lower than 1 µg propiconazole/g and a quantification limit corresponding to 30 µg propiconazole/g of wood material expressed as dry matter. It can be used over a measurement range up to a propiconazole content of 600 µg/g of dry matter.

NOTE 2 This method may need some modifications with some wood species such as hardwoods.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 212, *Wood preservatives – General guidance on sampling and preparation for analysis of wood preservatives and treated timber*

EN 351-2, *Durability of wood and wood-based products – Preservative treated solid wood – Part 2: Guidance on sampling for the analysis of preservative-treated wood*

EN 13183-1, *Moisture content of a piece of sawn timber – Part 1: Determination by oven dry method*

3 Safety precautions

Persons using this method should be familiar with normal analytical laboratory procedures and practice.

This method does not purport to address all safety problems, if any, associated with its use.

It is the responsibility of the user to establish safety and health practices and to ensure compliance with any European or national regulatory conditions.

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