

Entwicklungs- und Prueflabor Holztechnologie GmbH · Zellescher Weg 24 · 01217 Dresden · Germany

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Dresden, January 21<sup>st</sup>, 2019  
50-Fi

## Test Report Order no. 2519006

**Client:** Kastamonu Entegre Ağaç San.Tic.A.Ş  
Mr Fikri Oel  
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Halife Köyü/Kastamonu/37100  
Turkey

**Date of order:** January 09<sup>th</sup>, 2019

**Order:** Testing of one sample MDF on Lindane and PCP

**Contractor:** EPH – Laboratory Chemical Testing

**Engineer in charge:** Dr. Martin Fischer



Dipl.-Ing. Martina Broege  
Head of laboratory  
Chemical testing

The test report contains 2 pages. Any duplication, even in part, requires written permission of EPH. These test results are exclusively related to the tested material.

## 1 Task and Sample description

On January 09<sup>th</sup>, 2019, the Entwicklungs- und Prüflabor Holztechnologie GmbH (EPH) received the order to determine the contents of Lindane and PCP in 1 sample.

sample type: MDF  
format of sample: (500 x 500 x 18) mm  
receipt of the sample: January 09<sup>th</sup>, 2019

## 2 Sample preparation and analysis

The sample was cut to a particle size of less than 1 mm and mixed for the respective sample. Twice 2 g were weighed exactly. For extraction 40 mL toluene and 2 mL 1 M sulfuric acid were added, followed by a 30 min sonication and further shaking for 20 hours. A part of each solution was filtrated, derivatised with acetic anhydride and the PCP was measured with a gas chromatograph using ECD-detection (GC-ECD). Lindane was measured with GC-MS in another part of each extract. External calibration was performed with calibration standards from commercial sources. Determination limits for PCP and Lindane (2 g of sample): 0.05 mg/kg

## 3 Results and evaluation

tab. 2 PCP and Lindane in 1 sample, unit of measurement: [mg/kg]


Sample	PCP	Lindane
MDF	n.d.	n.d.

n.d. not determinable

The sample did not contain any PCP or Lindane.

## 4 Miscellaneous

Remaining material will be stored as a control sample for 3 months in the EPH.



Dr. Martin Fischer  
Chemist in charge