

Reference: 1912164-01  
Order sheet: 22000032

**TEST REPORT Nº 221.I.2001.062.EN.01**

**ON THE REQUEST OF:**

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**CONCERNING:**

<b>PRODUCT:</b>	<b>PLYWOOD</b>
<b>TESTING:</b>	<b>FORMALDEHYDE EMISSION TESTING ACCORDING TO UNE-EN 717-1:2006</b>

<b>DATE OF THE RECEPTION OF SAMPLES:</b>	<b>19/12/2019</b>
<b>STARTING DATE:</b>	<b>23/12/2019</b>
<b>FINISHING DATE:</b>	<b>21/01/2020</b>

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**THIS REPORT CONSISTS OF 04 PAGES NUMBERED ACCORDINGLY**

**The test samples will remain at AIDIMME over a period of three months from the date of issuing this report. That period having expired, it will be destroyed, so any claim on it must be made within these limits.**

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## 1. DESCRIPTION AND IDENTIFICATION OF THE TESTED OBJECT. EXAMINATION PRIOR TO TESTING

There is one sample with two boards, their approximate dimensions are: 0,5 m x 0,5 m x thickness each one. The samples were packed in polyethylene foil in a cardboard box.

### Sample data (information provided by the client):

<b>Kind of board:</b>	PLYWOOD
<b>Type:</b>	Inner veneer 0,8 mm and outer veneers 2,2 mm thickness
<b>Thickness:</b>	5 mm
<b>Date of production:</b>	--
<b>Sample finish:</b>	Raw

The sample is referenced by AIDIMME as:

- Ref. 1912164-01

## 2. ORIGIN OF THE SAMPLES

The sample was supplied by the client.

## 3. REQUESTED TEST

Formaldehyde release.

## 4. ADAPTATION OF THE TEST, METHOD OR PROCEDURE TO STANDARD

The test method performed coincides with that indicated in the UNE-EN 717-1: 2006 standard.

## 5. DESCRIPTION OF THE TEST METHOD

### FORMALDEHYDE EMISSION

The concentration of formaldehyde present in the air of a chamber of known volume is determined, and under certain test conditions. The formaldehyde concentration analysis is performed by spectrophotometry, by the method based on the Hantzsch reaction.

The result is expressed as a steady state concentration of formaldehyde in air, in milligrams per cubic meter, under the defined experimental conditions.

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## 5.1. Characteristics of samples

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• Test Configuration:	The exposed test surface includes the two sides of the specimens (front and rear). The edges are partially sealed to obtain the U / A factor indicated below.
• N° specimens:	2
• Size of the samples:	280 mm x 200 mm
• U / A factor (relationship between the length of the open edges and the surface of the faces):	1,5 m/m <sup>2</sup>
• N° of exposed surfaces:	4

## 5.2. Test parameters

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• Test chamber:	0,225 m <sup>3</sup>
• Temperature:	(23 ± 0,5) °C
• Relative humidity:	(45 ± 3) %
• Sample position:	The two specimens are placed in the center of the chamber, parallel to the air flow, their faces being separated from each other, at least 200 mm.
• Load factor:	(1,0 ± 0,02) m <sup>2</sup> /m <sup>3</sup>
• Air renewal factor:	(1,0 ± 0,05)/h
• Air velocity at the surface of the specimens:	(0,1 to 0,3) m/s
• Sampling rate:	1 L/min
• Sampling time:	2 hours

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## 6. OBTAINED RESULTS

### FORMALDEHYDE EMISSION

Sample	Emission of formaldehyde in steady state (mg/m <sup>3</sup> )	Emission of formaldehyde in steady state (ppm)
Ref.: 1912164-01	0,021 (672 hours)	0,017 (672 hours)

The result of the test/s only concerns to the tested object.

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Date: 24<sup>th</sup> January 2020

Signed:



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Technical Manager of  
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