



INSTYTUT TECHNOLOGII DREWNA

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AB 088



WOOD, WOOD-BASED MATERIALS, PACKAGING, FURNITURE, WOODEN CONSTRUCTIONS AND WORKING MACHINES TESTING LABORATORY

AIR QUALITY TESTING SECTION

Poznań, 05.06.2018

TEST REPORT No. 1598/2018/S.F

Subject of the order Testing of formaldehyde emission by chamber method according to PN-EN 717:2006 from laminated floor boards based on HDF board produced by Korostenskij MDF plant Ukraina

Order No. A-1598-BOS/2018 (internal ref. no. 1220/CCWPD/2018 dated 21.05.2018)

Name and address of the client/manufacturer /producer CCWPD-ITD

Performance date 24 - 30.05.2018

Operators

First name and surname Bi+	Signature
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1. IDENTIFICATION (DESCRIPTION) OF TEST SAMPLES

The objects of testing were laminated floor boards based on HDF board produced by „Korostenskiy MDF plant „, 01034Ukrain Kiev, Yaroslvo Val str. 38
Identification number : A-1598-BOŚ/2018

2. DELIVERY DATE OF TESTED OBJECTS

Samples were taken by the customer were received for testing in the ITD on 22.05.2018.

3. SYMBOLS AND NAMES OF THE TEST METHODS APPLIED

The tests were performed according to the standards described in PN-EN 717-1:2006 entitled: “Wood-based panels – Determination of formaldehyde release – Part1: Formaldehyde emission by the chamber method” .

Testing parameters of the boards: chamber volume: 1 m³;

temperature: (23±0,5)°C; relative humidity: (45 ±3)%;

chamber loading ratio: 1 m²/m³, air exchange rate: 1 h⁻¹;

dimensions of the sample in the chamber: 500 × 500 mm (2 pieces)

Test with a non-standard configuration of sample, which has only one surface uncovered, is carried out on samples put together back-to-back and whose edges are covered with tape (described as tested in “back-to-back” configuration).

4. LIST OF MEASURING AND TEST EQUIPMENT

The following equipment was used for the tests:

- chambers of the capacity of 1 m³ ; room 12a, No. F7/17,
- gas meters, room 12a, No. F7/26,
- balances for mass determination, room 12a, No. F1/1, F1/2
- water bath, room 12a, No: F4/34
- spectrophotometer Marcel Media, room 12a, No. F4/3

5. TEST RESULTS

Tests results are presented in protocol No.1/1598/2018/S.F,

6. STATEMENT

The test results presented in the protocols relate solely to the tested samples.
The test report cannot be copied in parts but only in its entirety.

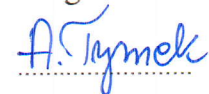
PROTOCOL NO. 1/1598/2018/S.F

**DETERMINATION OF FORMALDEHYDE RELEASE BY THE CHAMBER METHOD
- Acc. to PN-EN 717-1:2006**

Type of material/product				laminated floor boards				
Test date				24 - 30.05.2018				
Sample identification No: A-1598-BOS/2018				Chamber 22 capacity 1 m ³				
Time of sample exposure in the chamber [24 h]	Date of the test	Climatic conditions in the chamber		Test number	Chamber concentration of formaldehyde			
		Temperature	Relative humidity		[mg/m ³]	[ppm]		
1	25.05.2018	(23±0.5) °C	(45 ±3)%	1	0.011	0.009		
				2	0.012	0.010		
4	28.05.2018			1	0.010	0.008		
				2	0.012	0.010		
5	29.05.2018			1	0.012	0.010		
				2	0.011	0.009		
6	30.05.2018			1	0.010	0.008		
				2	0.010	0.008		
Average equilibrium concentration of formaldehyde in the air of the chamber					0.011	0.009		
Confidence interval of the actual formaldehyde concentration with probability of 95%:					(0.011 ±0.001) mg/m ³ (0.009 ±0.001) ppm			

Prepared by
Anna Tymek

Date
05.06.2018

Signature


end of reports