

test report no.
8675/235/2019

date
Czarna Woda, 09.09.2019

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**OŚRODEK BADAWCZO-ROZWOJOWY
PRZEMYSŁU PŁYT DREWNOPOCHODNYCH sp. z o.o.**

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Research & Development Centre of Wood-Based Panels
Testing Laboratory
Laboratory for Testing Products



TEST REPORT

Subject: Formaldehyde emission

Test method:
PN-EN 717-1:2006

Customer:
JSC "Ivatsevichdrev"
with it's registered office in Brest region
225295 Ivatsevichy, str. Zagrodnaya 2,
BELARUS

Basis of testing:
Order no 07/2019 from 19.08.2019

Date and location of testing:
Laboratorium Badania Wyrobów OBRPPD, 30.08 ÷ 05.09.2019

Tests results presented in Table 1, refer only to the examined samples.
The test report cannot be copied in parts but only in entirely.
The test material was used up.

1. Information from customer

Type of the board:	Particleboard
Thickness:	16 mm
Range of thickness	8-38 mm
Date of production:	14.08.2019
Sampling:	16.08.2019 JSC "Ivatsevichdre
Producer:	JSC "Ivatsevichdrev"

2. Sample identification
nr 19598



3. Sample delivery

Delivered by: courier

Date of sample delivery: 19.08.2019

Service during the period between delivery to the laboratory and the start of the testing:

- samples were kept wrapped in PE foil until the beginning of the test

4. Test method (conditions and analytic method)

The formaldehyde emission testing was performed according to:

- PN-EN 717-1:2006 Wood-based panels – Determination of formaldehyde release – Part 1: Formaldehyde emission by the chamber method.

Testing conditions:

- chamber volume: 0,225 m³;
- temperature: (23 ± 0,5)°C;
- relative humidity: (45 ± 3)%;
- loading ratio: (1,0 ± 0,02) m²/m³;
- air exchange rate: (1,0 ± 0,05)/h;
- air velocity at the surface of the specimen: (0,1 to 0,3) m/s
- formaldehyde concentration in make-up air to test chamber: ≤ 0,006 mg_{HCHO}/m³
- ratio of the length of open narrow planes (unsealed) *U* to surface *A* is $U/A = 1,5 \text{ m/m}^2$
- formaldehyde concentration was determined photometrically according to the acetylacetone method.

5. Results of measurements

date	exposure time [h]	HCHO concentration in chamber [mg/m ³]	date	exposure time [h]	HCHO concentration in chamber [mg/m ³]
02.09.2019	65	0,042	05.09.2019	137	0,036
	68	0,036		140	0,037
03.09.2019	89	0,033	06.09.2019	161	0,033
	92	0,035		164	0,034
04.09.2019	113	0,034			
	116	0,033			

6. Emission in steady state

Value of emission in steady state: **0,03 mg/m³** (164 h)
0,03 ppm

Test results meet requirements in IKEA Specification IOS-MAT-0181-1 dated: 2019-05-29 end requirement of German Chemikalien-Verbotsverordnung for wood based materials.

Mirosława Mrozek

Authorized
OB - RPPD spółka z o.o.
Kierownik
Laboratorium Badawczego
Mrozek
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End of the report