OŚRODEK BADAWCZO-ROZWOJOWY
PRZEMYSŁU PŁYT DREWNOPOCHODNYCH sp. z o.o.
Laboratorium Badawcze
Laboratorium Badania Wyrobów
ul. Mickiewicza 10a
83-262 Czarna Woda
e-mail: obrppd@obrppd.com.pl
tel. +48 (058) 5878216

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

AB 244

TEST REPORT

Subject: Formaldehyde emission

Test method:
PN-EN 717-1:2006

Customer:
Ośrodek Badawczo-Rozwojowy
Przemysłu Płyt Drewnopochodnych sp. z.o.o.
ul. Mickiewicza 10a
83-262 Czarna Woda
Zakład Certyfikacji

Payer:
Kronospan Polska Sp. z o.o.
Ul. Waryńskiego 1
78-400 Szczecinek

Basis of testing:
Agreement REACH/01/45/2026 from 10.03.2026

Date and location of testing:
Laboratorium Badania Wyrobów OBRPPD, 14.04. ÷ 27.04.2026

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

Producer:	Kronospan Polska Sp. z o.o. Ul. Waryńskiego 1 78-400 Szczecinek
Board type:	Fiberboard type MDF/HDF thickness range 2-8 mm, glued with MUF
Thickness:	5 mm
Batch no.:	PNR 400881
Trade name:	MDF/HDF IOSMAT181, MDF/HDF EN16516
Production date:	30.03.2026
Production line:	046
Sampling date:	02.04.2026 Szczecinek
Sampler:	Mirosława Mrozek

2. Sample identification

no. 26212

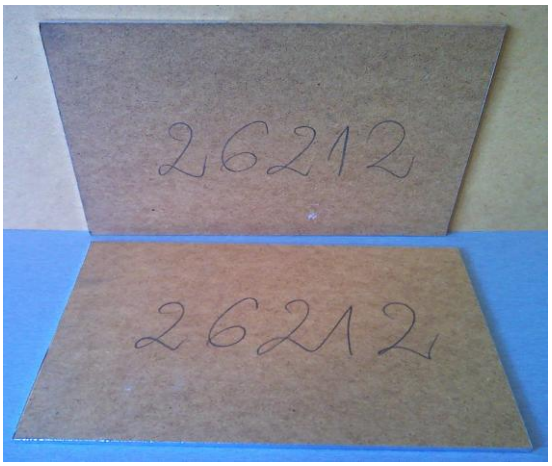


Image 1 Sample for testing according to PN-EN 717-1:2006

3. Sample delivery

Delivered by: courier
Date of sample delivery: 03.04.2026
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 m^3;
- temperature: (23 ± 0,5)°C;
- relative humidity: (45 ± 3)%;
- loading ratio: (1,0 ± 0,02) m^2/m^3;
- 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}/m^3
- ratio of the length of open narrow planes (unsealed) *U* to surface *A* is U/A = 1,5 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]
15.04.2026	13	0,046	22.04.2026	184	0,045
	21	0,046		189	0,045
16.04.2026	40	0,045	23.04.2026	208	0,045
	45	0,046		213	0,043
17.04.2026	64	0,047	24.04.2026	232	0,040
	69	0,046		237	0,042
20.04.2026	136	0,047	27.04.2026	304	0,042
	141	0,046		307	0,041
21.04.2026	160	0,046			
	165	0,044			

6. Emission in steady state

Value of emission in steady state: **0,041 mg/m^3** (307 h)
0,033 ppm

Mirosława Mrozek
Authorized

End of the report

OB - RPPD
CZARNA WODA

Podpisany elektronicznie przez
MIROSŁAWA MROZEK
27.04.2026
14:18:08 +02'00'