**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

AB 244

TEST REPORT

Subject: Formaldehyde emission

Test method:
PN-EN 717-1:2006

Customer:
Kronospan Polska Sp. z o.o.,
ul. Waryńskiego 1
78-400 Szczecinek

Basis of testing:
Order No 102315 from 11.09.2025

Date and location of testing:
Laboratorium Badania Wyrobów OBRPPD, 10.03. ÷ 16.03.2026

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/ material:	Lacquered fiberboards MDF/HDF
Trade name 1:	LMDF/LHDF IOSMAT181
Trade name 2:	LMDF/LHDF EN16516
Thickness:	3,0 mm
Batch no:	PNR 400813
Material name:	Decor: 0110
Production date:	15.02.2026
Sampling:	20.02.2026 warehouse Kronospan Polska Sp. z o.o.
Other information:	range of thickness: 2 - 18 mm

2. Sample identification

no. 26134

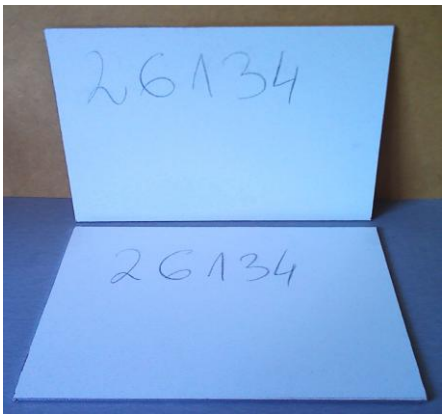


Image 1 Sample for testing according to PN-EN 717-1:2006

3. Sample delivery

Date of sample delivery: 10.03.2026
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]
11.03.2026	16	0,054	13.03.2026	64	0,053
	21	0,054		69	0,053
12.03.2026	40	0,054	16.03.2026	136	0,053
	45	0,054		141	0,053

6. Emission in steady state

Value of emission in steady state: **0,053 mg/m^3** (141 h)
0,042 ppm

7. Statement of conformity

specification or standard	COMMISSION REGULATION (EU) 2023/1464 of 14 July 2023
limit	0,062 mg/m^3
result	0,053 mg/m^3
fulfillment of requirements*	☒ YES ☐ NO

*decision rule: simple acceptance (according to ILAC-G8:09/2019, 4.2.1)

Mirosława Mrozek
Authorized

OB - RPPD
CZARNA WODA

Podpisany elektronicznie przez
MIROSŁAWA MROZEK
20.03.2026
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End of the report