

Entwicklungs- und Prüflabor Holztechnologie GmbH · Zellescher Weg 24 · 01217 Dresden · Germany

Kronospan Trading SRL
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Bru/50
Dresden, 07 April 2022

Test Report 2117029/2022/MFC

Client/Production plant: Kronospan Trading SRL
59 M. Kogalniceanu Str.
Floor 1, room 1/12
RO 515800 Sebes
Romania

Order: Determination of the formaldehyde release of melamine faced
particleboard according to the gas analysis method EN ISO 12460-3
MF PAL P2 IOS MAT 181

Contractor: Entwicklungs- und Prüflabor Holztechnologie GmbH
Zellescher Weg 24
D-01217 Dresden

Engineer in charge: Dipl.-Ing. (FH) S. Hahn



Dipl.-Ing. Martina Broege
Head of Laboratory chemical testing

The test report contains 2 pages. Any duplication, even in part, requires written permission of EPH. These test results are exclusively related to the tested material.

1 Order

The Entwicklungs- und Prüflabor Holztechnologie GmbH (EPH) was instructed to determine the formaldehyde release of melamine faced particleboard according to the gas analysis test method EN ISO 12460-3.

2 Sample material

Sample delivery: 21 February 2022; airtight wrapped

Sample	Sample description		Sample size
1	Product type:	Melamine faced chipboard (MFC)	3 plate 500x500x18
	Product name:	MF PAL P2 IOS MAT 181	
	Glue type:	UF	
	Production date:	18/01/2022	
	Batch number:	105417/10	
	Certification level of particleboard:	US EPA § 770	

The test material will be disposed of after 3 months.

3 Investigations carried out

Test standard: EN ISO 12460-3:2021-02: Wood-based panels –Determination of formaldehyde release –Part 3: Gas analysis method (ISO 12460-3:2020)

ISO 16979:2003(E) Wood-based panels — Determination of moisture content

Test period: 22 March 2022

Precondition: acc. to EN ISO 12460-3, Point 6.1

Test piece size (mm): 402 x 52

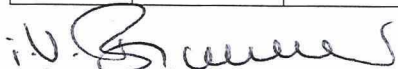
Edge sealing: Edges full sealed with aluminium tape¹ with a surface overlap of about 1 mm

Emitting surface: 0.04 m²

Limit of detection (LOD): 0.1 mg HCHO/m²h

4 Test results and Valuation²

Sample	Moisture [%]	Gas analysis value [mg HCHO /m ² h]					Criteria IKEA ³ fulfilled	
		Single value				Average value (2 nd – 4 th hour)	Yes	No
		1h	2h	3h	4h			
1	5.4	< LOD	0.12	0.11	< LOD	0.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		0.10	0.24	0.22	0.20	0.2		


Dipl.-Ing. (FH) S. Hahn
Engineer in charge

¹ IKEA specification IOS-TM-0010, Version no.: AA-325858-2, Point 2.4.4

² Statements on conformity assessment/classification were made on the basis of the measurement results obtained. Measurement uncertainties are not included in the assessment (ILAC G8 03/2009 "Guidelines on the Reporting of Compliance with Specification" Section 2.7).

³ IKEA specification IOS-MAT 0003, Version no.: AA-10899-15, 2020-07-06: Limit value formaldehyde ≤ 0.65 mg /m²h