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EGGER Biskupiec
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Dresden, 26/11/2025
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Test Report No. 2118078/F4S/2025/02

Client/production plant:	EGGER Biskupiec Świętego Józefa 1 11-300 Biskupiec-Kolonia Druga Poland
Order:	Determination of formaldehyde release of particleboard according to the desiccator test method JIS A 1460 ***EGGER Decorative Particleboards JP F0,3 (F****) ENF MR ELS***
Contractor:	Entwicklungs- und Prüflabor Holztechnologie GmbH (EPH) Zellescher Weg 24 01217 Dresden
Engineer in Charge:	Dipl.-Ing. (FH) S. Hahn

Dipl.-Ing. Martina Broege
Head of Laboratory Chemical Testing

The test report contains 3 pages. Any duplication of extracts requires the written permission of EPH. The test results refer exclusively to the material tested.

1 Task

The Entwicklungs- und Prüflabor Holztechnologie GmbH (EPH) was assigned by EGGER Biskupiec to perform a test of particleboard regarding the formaldehyde release according to the Japanese Standard JIS A1460 (desiccator method).

2 Sample material

Date of receipt of sample material: 03/11/2025; labelled and airtight wrapped

Type of board:	Particleboard, EN 312, P2, faced
Product name:	**EGGER Decorative Particleboards JP F0,3 (F****) ENF MR ELS (146)** EGGER Decorative Particleboards JP F0,3 (F****) ENF MR ECS (144)
Tested recipe:	**146**
Batch: Date production: Thickness: Sample size:	48557735 20/10/2025 18 mm 450 x 450 x 18 [mm]

The remaining material is disposed of after 3 months.

3 Test performance

Method: JIS A 1460:2021; Determination of the emission of formaldehyde from building boards – Desiccator method

The tests were carried out after a prior conditioning of the samples for seven days at a temperature of 20 °C and a relative humidity of 65 %.

Test period: 13/11/2025 - 21/11/2025

Sample 1			
Test pieces for single test:	8		
Dimension of test piece [mm]:	150 x 50 x 18		
Total surface area [cm^2]:	1776		
Test parameters			
Start of conditioning period:	13 November 2025	Crystallizing dish:	300 ± 1 ml
End of conditioning period:	20 November 2025	Test temperature:	(20 ± 0.5)°C
Emplacement desiccator:	20 November 2025 (11:40 AM)	Test time:	24 h ± 5 min
Test date (after 24h ± 5min):	21 November 2025	Chemical analysis:	Ac-Ac. method[1]
Desiccator volume:	10 l	Absorbent:	Distilled water

Detection limit of test method (LOD): 0.042 mg/l

[1] Acetyl-Aceton Method

4 Results and validation[2]

The test results of the determination of the formaldehyde release are mentioned in the table below.

Sample	Formaldehyde release [mg/l]				Classification [3] based on JIS A5908:2003			
	Desiccator method JIS A1460							
	Single values			Mean value	F****	F***	F**	F*
	1	2	3					
1	0.3	0.2	0.2	**0.2**	☒	☐	☐	☐

Based on the test results the tested material complies with the requirements to the formaldehyde class F****.

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

[2] Statements on conformity assessment/classification are made on the basis of the measurement results obtained. Measurement uncertainties are not included in the assessment/classification. Here we follow: ILAC G8:09/2019 "Guidelines on Decision Rules and Statements of Conformity" 4.2.1 Binary Statement for Simple Acceptance Rule (w=0).

[3] Following limit values regarding formaldehyde release are fixed for uncoated and coated particleboards acc. to (JIS A 5908:2003; Table 4 for particleboard) determined by using the desiccator method JIS A 1460:

	Average value	Maximum value
F****	≤ 0.3 mg/l	≤ 0.4 mg/l
F***	≤ 0.5 mg/l	≤ 0.7 mg/l
F**	≤ 1.5 mg/l	≤ 2.1 mg/l
F*	≤ 5.0 mg/l	≤ 7.0 mg/l