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

S.C. EGGER Romania S.R.L.
Mr. Catalin Ionita
Str. Austriei 2,
725400 Radauti, jud. Suceava;
Romania

Dresden, 18/12/2025
Hanna.brunner@eph-dresden.de

Test Report No. 2118075/MFC/F4S/2025/03

Client/production plant: S.C. EGGER Romania S.R.L.,
Str. Austriei 2, 725400 Radauti, jud. Suceava, Romania

Order: Determination of formaldehyde release of melamine faced chipboard (MFC) 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, even in part, requires written permission of EPH. These test results are exclusively related to the tested material.

1 Task

The Entwicklungs- und Prüflabor Holztechnologie GmbH (EPH) was assigned by *S.C. EGGER Romania S.R.L.* to perform the half-yearly verifying test of melamine faced chipboard (MFC) regarding the formaldehyde release according to the Japanese Standard JIS A 1460 (desiccator method).

2 Sample material

Date of receipt of sample material: 20 November 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)**
Sample identification:	BW-PB-6-F4S-25/F4S-1/1...3
Thickness range:	8 - ≤ 25 mm
Batch:	48589618
Recipe:	146
Date production:	09/11/2025
Thickness range:	18.0 mm
Dimension of board size:	/
Sample size:	450 x 450 x 18.0 [mm]

The remaining material is disposed of after 3 months.

3 Test method

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

Preconditioning: ☒ Yes (T = 20 ± 2 °C / U = 65 ± 5 %) ☐ No

Data Recording: ☒ Ambient temperature

Sample 1			
Test pieces for single test:	8		
Dimension of test piece [mm]:	150 x 50 x 18		
Total surface area [cm²]:	1776		
Test parameters			
Start of conditioning period:	01 December 2025	Crystallizing dish:	300 ± 1 ml
End of conditioning period:	08 December 2025	Test temperature:	(20 ± 0.5) °C
Emplacement desiccator:	08 December 2025 (08:15 AM)	Desiccator volume	12±2 l
Test date (after 24h ± 5min):	09 December 2025	Chemical analysis:	Ac-Ac. method
Test time:	24 h ± 5 min	Absorbent:	Distilled water

Limit of quantification (LOQ) of test method: *0.042 mg/l*
Limit of detection (LOD) of test method: *0.014 mg/l*

4 Test results and validation[1]

Sample	Formaldehyde release [mg/l] Desiccator method JIS A 1460				Classification [2] JIS A 5908:2003			
	Single values			Mean value	F****	F***	F**	F*
	1	2	3					
1	0.24	0.26	0.27	**0.3**	☒	☐	☐	☐

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

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

[1] 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).

[2] 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