

# T E S T C E R T I F I C A T E

**PT-24-12-18-40**

**Product:** Kaindl Veneered Fiber Board MDF/CA  
Veneered boards for interior use  
acc. to EN 14322:2021, Thickness range: > 12 mm to 19 mm

**Client:** M. KAINDL GmbH, Kaindlstrasse 2, 5071 Wals/Salzburg, Austria

**Order:** Determination of mechanical and chemical properties

**Basis:** Test Report No. 2118037-W-MDF/CA-12/19-2024 of 12 Dec 2024  
Test Report No. 2118037-W-MDF/CA-FUR-2024 of 17 Dec 2024  
Test Report No. 2118037-W-P2/CA-FUR-2024 of 17 Dec 2024  
Test Report No. 2117197/2024/04/MDF/CARB-EPA of 5 Dec 2024  
Test Report No. 2118037/2024/13 of 27 Jun 2024  
Test Report No. 2118037/2024/15 of 10 Apr 2024

**Test Result:**

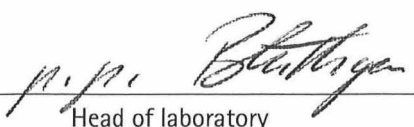
Characteristic	Requirement
Bending strength acc. to EN 310	≥ 20 N/mm <sup>2</sup>
Modulus of elasticity acc. to EN 310	≥ 2200 N/mm <sup>2</sup>
Thickness swelling acc. to EN 317	≤ 12 %
Internal bond strength acc. to EN 319	≥ 0,55 N/mm <sup>2</sup>
Surface soundness acc. to EN 311	≥ 0,80 N/mm <sup>2</sup>
HCHO emission raw board acc. to ASTM D1333	≤ 0,11 ppm (a)
HCHO emission acc. to EN 717-1	Requirement FA-REACH-2026 and ChemVerbotsV-2020 fulfilled (a)
PCP content acc. to CEN/TR 14823	≤ 3 ppm
Lindan content acc. to CEN/TR 14823	≤ 1 ppm
Migration of heavy metals acc. to EN 71-3	Category III

Based on a contractually specified inspection of the production and on laboratory tests, it can be stated that the tested fiber boards fulfill the requirements of Type MDF acc. to EN 622-5 and acc. to EN 14322.

- (a) The formaldehyde concentration acc. to ASTM E1333-14 is below the the maximum permissible requirement of EPA/CARB.  
(b) Formaldehyde emission limit value according to COMMISSION REGULATION (EU) 2023/1464 of 14 July 2023 amending Annex XVII to Regulation (EC) No 1907/2006 of the European Parliament and of the Council as regards formaldehyde and formaldehyde releasers, Formaldehyde limit value 0.062 mg/m<sup>3</sup> for furniture and wood-based products.  
Limit value for formaldehyde emissions in accordance with the Chemicals Prohibition Ordinance (ChemVerbotsV) Annex 1 to §3 of 20 January 2017 in conjunction with the announcement of analytical methods published on 26 November 2018, BAnz AI 26.11.2018 B2, 124 µg/m<sup>3</sup> (0.1 ppm)

**Validity:** 31 Dec 2025

Dresden, 18 Dec 2024

  
Head of laboratory





Engineer in charge