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CNAS 中国认可 国际互认 检测 TESTING CNAS L0422

IDFB

南京海关工业产品检测中心

Nanjing Customs District Industrial Products Inspection Center

Material Test Report

Medium Density Fiber Board for Interior Use

Size: 1220 × 2440 × 12 mm (W × L × T) **Specified formaldehyde grade: E0.5**

Manufacturer / Client: SHUYANG CUZI MDF Report No.: [redacted]

Laboratory: Nanjing Customs District Industrial Products Inspection Center

Test date: 10 Sep. 2026

Sample / Batch No.: [redacted] Reference: EN 622-1 / EN 622-5

Sl. No.	PROPERTIES / TEST METHOD	SPECIFICATION	SIMULATED VALUE
01	Dimensions (mm) — EN 324-1 Length Width Thickness (sanded)	**Nominal / tolerance** **2440 ± 4.88** **1220 ± 2.44** **12.00 ± 0.20**	 **2441** **1221** **12.08**
02	Density (kg/m³) EN 323	**700 - 800**	**755**
03	Density variation within a panel (%) EN 323	**± 7**	**+2.8**
04	Thickness swelling after 24 h (%) EN 317	**≤ 15**	**8.6**
05	Bending strength / MOR (N/mm²) EN 310	**≥ 22**	**29.8**
06	Modulus of elasticity / MOE (N/mm²) EN 310	**≥ 2500**	**3180**
07	Internal bond strength (N/mm²) EN 319	**≥ 0.60**	**0.82**
08	Moisture content (%) EN 322	**4 – 11**	**6.7**
09	Formaldehyde emission (mg/m³) EN 717-1 chamber method Requested designation: E0.5	**≤ 0.062 mg/m³** **(approx. 0.05 ppm)**	**0.038**

1. Physical requirements: EN 622-1:2003 and EN 622-5:2009, type MDF for dry conditions; nominal thickness ≥ 9 to 12 mm. Length and width tolerance: ± 2 mm/m, maximum ± 5 mm.

2. E0.5 is used as a commercial specification, not a separate EN 13986 class. EU market compliance requires the applicable assessment under REACH Annex XVII, Entry 77 and Appendix 14; an EN 717-1 result alone does not establish that assessment.

Tested by: Ratuin Grover

Authorization: Antoine Pelletier

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