



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)

Report No.: [REDACTED]

Manufacturer / Client: Cuzi Industry

Test date: 10 June. 2026

Reference: EN 622-1 / EN 622-5

Sample / Batch No.: [REDACTED]

| Sl. No. | PROPERTIES / TEST METHOD                                            | SPECIFICATION                                                                                 | VALUE                                      |
|---------|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------|
| 01      | Dimensions (mm) — EN 324-1<br>Length<br>Width<br>Thickness (sanded) | <b>Nominal / tolerance</b><br><b>2440 ± 4.88</b><br><b>1220 ± 2.44</b><br><b>12.00 ± 0.20</b> | <b>2441</b><br><b>1221</b><br><b>12.08</b> |
| 02      | Density (kg/m <sup>3</sup> )<br>EN 323                              | <b>target:</b><br><b>700 - 800</b>                                                            | <b>755</b>                                 |
| 03      | Density variation within a panel (%)<br>EN 323                      | <b>± 7</b>                                                                                    | <b>+2.8</b>                                |
| 04      | Thickness swelling after 24 h (%)<br>EN 317                         | <b>≤ 15</b>                                                                                   | <b>8.6</b>                                 |
| 05      | Bending strength / MOR (N/mm <sup>2</sup> )<br>EN 310               | <b>≥ 22</b>                                                                                   | <b>29.8</b>                                |
| 06      | Modulus of elasticity / MOE (N/mm <sup>2</sup> )<br>EN 310          | <b>≥ 2500</b>                                                                                 | <b>3180</b>                                |
| 07      | Internal bond strength (N/mm <sup>2</sup> )<br>EN 319               | <b>≥ 0.60</b>                                                                                 | <b>0.82</b>                                |
| 08      | Moisture content (%)<br>EN 322                                      | <b>4 – 11</b>                                                                                 | <b>6.7</b>                                 |
| 09      | Formaldehyde emission (mg/m <sup>3</sup> )<br>EN 717-1              | <b>≤ 0.062 mg/m<sup>3</sup></b>                                                               | <b>0.038</b>                               |

Note:

- 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.
- 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.

Tested by: [REDACTED]

Authorization: [REDACTED]