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Client: ZHEJIANG TIMECHEE INTERNATIONAL TRADE GROUP CO.,LTD

Contact Information: 602-1, Building 1, Headquarters, 555 Rili Zhong Lu, Yinzhou District,
Ningbo City, Zhejiang P.R. China

**Identification/
Model No(s):** Wood

Condition at delivery: Test item complete and undamaged.

Sample Receiving date: 2022-12-15

Testing Period: 2022-12-15 to 2022-12-30

Place of testing: Chemical laboratory Shanghai

Test Specification: **Test result:**
Customer's requirement:
1. Formaldehyde emission, ASTM D 6007-14 FAIL

For and on behalf of
TÜV Rheinland (Shanghai) Co., Ltd.

2022-12-30

Charting Cai / Senior Project Engineer

Date

Name/Position

Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed.
This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.
"Decision Rule" document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.

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Material List:

Item: Wood

| Material No. | Material | Color | Location |
|--------------|----------|-------|----------------|
| M001 | MDF | white | refer to photo |

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1. Formaldehyde emission

Test Method: ASTM D6007-14 Standard Test Method for Determining Formaldehyde Concentration in Air from Wood Products Using a Small Scale Chamber

Test Parameter:

The test pieces was tested with:

- Standard face and back configuration
 Nonstandard sample configuration with single surface exposed
 Combination testing

Sample description:

| | |
|--------------------|---------------------|
| Product type | MDF |
| Test specimen size | 0.26 m ² |

Edges were sealed if their air was greater than 5% of the exposed test sample surface.
 Samples were analysed for the determination of product groups.

Sample conditioning:

| | | |
|---------------------------------------|-------|------|
| Average temperature | 24.3 | °C |
| Average relative humidity | 50 | % |
| Time | 7 | days |
| Formaldehyde background concentration | <0.02 | ppm |

Sample testing:

| | | |
|---|-------|--------------------------------|
| Chamber volume | 1 | m ³ |
| Loading (L) | 0.26 | m ² /m ³ |
| Q/A ratio | 1.905 | m/h |
| Average temperature | 24.3 | °C |
| Average relative humidity | 50 | % |
| Duration | 168 | h |
| Formaldehyde background concentration of air in chamber prior to test | <0.02 | ppm |
| Formaldehyde concentration of make-up air | <0.02 | ppm |
| Air-sampling rate | 1 | L/min |
| Length of sampling time | 60 | min |

Test Result :

| Test No. | Material No. | Test Parameter | Unit | RL | Test Result | Conclusion |
|----------|--------------|-----------------------|------|------|-------------|------------|
| T001 | M001 | Formaldehyde Emission | ppm | 0.02 | 0.14 | Fail |

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Abbreviation: RL = Reporting Limit
 ppm = parts per million
 % = percentage
 h = hour
 L/min = liter per minute
 °C = degree Celsius
 m³ = cubic meters
 m²/m³ = square meters per cubic meter
 m/h = meter per hour

Remark:

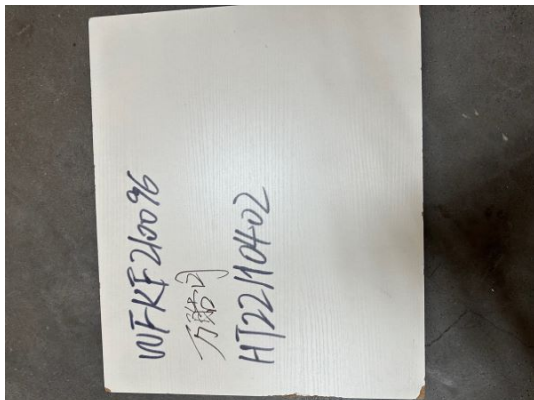
- *1. The Maximum Permissible Limit according to Section 93120.2, Title 17, California Code of Regulation and Section 40 CFR 770.10, Title VI, Toxic Substances Control Act.:

| Phase 2 of Formaldehyde Emission concentration for Hardwood Plywood(HWPW), Particleboard(PB) and Medium Density Fiberboard(MDF) | | | | | |
|---|---------|---------|------|------|----------|
| Material type | HWPW-VC | HWPW-CC | PB | MDF | Thin MDF |
| Concentration(ppm) | 0.05 | 0.05 | 0.09 | 0.11 | 0.13 |

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Sample Photo



M001

- END -

