# Test Report

**No.:** CANPC25025919001 **Date:** Nov 13, 2025 

Client Name: SHANDONG EMOSIN DECORATIVE PRODUCTS CO.,LTD

Client Address: NO.19A-WEST, BUILDING B19, BAILILAI CREATIVE AND ENTREPRENEURIAL PARK, LIAOCHENG ECONOMIC AND TECHNOLOGICAL DEVELOPMENT ZONE, SHANDONG PROVINCE, CHINA

Sample Name: Laminate flooring

Refer No.: SHIN2510000500CPC01

The above sample(s) and information were provided by the client.

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SGS Job No.: GZPC2510007080

Sample Receiving Date: Oct 22, 2025

Testing Period: Oct 22, 2025 ~ Nov 11, 2025

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Conclusion: Based on the submitted sample(s), test was performed according to Decree 2011-321 relative to the labeling of construction products, floor or wall coverings and paints and lacquers concerning their emission of volatile pollutants, sample is A+ class.

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Zm Guan
Approved Signatory

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**Test Result(s):**

Test Part Description：

| SN ID | Sample No. | SGS Sample ID | Description |
|---|---|---|---|
| SN1 | 001 | CAN25-0259190-0001.C001 | "Laminate flooring" |

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

**Volatile Pollutants (VOCs)**

**Test Method:** With reference to ISO 16000-9:2024 &ISO 16000-6:2021&ISO16000-3:2022. Testing was performed by Environmental Chamber, followed by sampling using Tenax-TA tube and DNPH cartridge, analysis was performed by TDS-GC-MS and HPLC-DAD.

| Test Item(s) | CAS No. | Unit(s) | 001 |
|---|---|---|---|
| **VOCs and Carbonyl Compounds** | | | |
| Test Time | - | - | 7th day |
| Formaldehyde | 50-00-0 | μg/m³ | 2.2 |
| Acetaldehyde | 75-07-0 | μg/m³ | 3.1 |
| Toluene | 108-88-3 | μg/m³ | ND |
| Tetrachloroethene | 127-18-4 | μg/m³ | ND |
| Xylene | 1330-20-7 | μg/m³ | ND |
| 1,2,4-Trimethylbenzene | 95-63-6 | μg/m³ | ND |
| 1,4-Dichlorobenzene | 106-46-7 | μg/m³ | ND |
| Ethylbenzene | 100-41-4 | μg/m³ | ND |
| Ethylene Glycol Monobutylether(Butoxyethanol) | 111-76-2 | μg/m³ | ND |
| Styrene | 100-42-5 | μg/m³ | ND |
| Total Volatile Organic Compounds(TVOC) | - | μg/m³ | ND |

| Test Item(s) | CAS No. | Unit(s) | 001 |
|---|---|---|---|
| **Test condition** | | | |
| Chamber Volume | - | m³ | 0.05 |
| Storage condition (Temperature) | - | °C | 23.1 |
| Storage condition (Humidity) | - | % | 50.3 |
| Air Exchange Rate | - | /h | 0.5 |
| Sample loading | - | m²/m³ | 0.400 |
| Tenax Sampling Flow | - | mL/min | 200 |
| Tenax Sampling Time | - | minute(s) | 25 |
| Tenax Sampling Volume | - | L | 5 |
| DNPH Sampling Flow | - | mL/min | 300 |
| DNPH Sampling Time | - | minute(s) | 60 |
| DNPH Sampling Volume | - | L | 18 |
| MDL | - | μg/m³ | 2.0 |

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**Notes:**

1. µg/m$^3$ = micrograms per cubic meter

**Evaluation according to Decree 2011-321 relative to the labeling of construction products, floor or wall coverings and paints and lacquers concerning their emission of volatile pollutants**

| Classes | C | B | A | A+ |
|---|---|---|---|---|
| Formaldehyde | > 120 | < 120 | < 60 | < 10 |
| Acetaldehyde | > 400 | < 400 | < 300 | < 200 |
| Toluene | > 600 | < 600 | < 450 | < 300 |
| Tetrachloroethylene | > 500 | < 500 | < 350 | < 250 |
| Xylene | > 400 | < 400 | < 300 | < 200 |
| 1,2,4-Trimethylbenzene | > 2000 | < 2000 | < 1500 | < 1000 |
| 1,4-Dichlorobenzene | > 120 | < 120 | < 90 | < 60 |
| Ethylbenzene | > 1500 | < 1500 | < 1000 | < 750 |
| Ethylene Glycol Monobutylether | > 2000 | < 2000 | < 1500 | < 1000 |
| Styrene | > 500 | < 500 | < 350 | < 250 |
| TVOC | > 2000 | < 2000 | < 1500 | < 1000 |

The concentrations of exposition are calculated in a conventional reference room of a total volume (V) of 30m$^3$, in which is applied a rate of air renewal (n) of 0.5h$^{-1}$ and which dimensions are specified here below:

| | Surface (S) (m$^2$) | Load rate (L=S/V) (m$^2$/m$^3$) | Surface specific emission output (q=n/L) (m$^3$.m$^{-2}$.h$^{-1}$) |
|---|---|---|---|
| Floor | 12 | 0.4 | 1.25 |
| Ceiling | 12 | 0.4 | 1.25 |
| One door | 1.6 | 0.05 | 10 |
| One window | 2 | 0.07 | 7 |
| Walls (minus door and window) | 31.4 | 1 | 0.5 |
| Joints (or very small surfaces) | 0.2 | 0.007 | 70 |

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (*w*=0) stated in ILAC-G8:09/2019.

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**Sample Photo:**



CAN25-0259190-0001.C001

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*** End of Report ***

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