

Test Report No. 7191354391-CHM25-LS

Date: 09 May 2025

Email: Sihai.Li@tuv sud.com

Client's Ref:

Note: This report is issued subject to the Testing, Certification, Validation and Verification Regulations (TCVVR) of the TÜV SÜD Group and the General Terms and Conditions of Business of TÜV SÜD PSB Pte Ltd. In addition, this report is governed by the terms set out within this report.



**Add value.
Inspire trust.**

SUBJECT

Evaluation of "DoctorPly" sample.

CLIENT

DKGROUP PTE. LTD.
10 ADMIRALTY STREET
#02-51 NORTH LINK BUILDING
757695 SINGAPORE
Singapore

DESCRIPTION OF SAMPLE

One small sample and 2 panels labelled as follows were received on 10 Mar 2025:

Brand Name	DoctorPly
Product Name	Harmony Eco-Wood with Melamine Laminate

DATE OF TEST

19 Mar 2025 – 07 May 2025



Laboratory:
TÜV SÜD PSB Pte. Ltd.
15 International Business Park
TÜV SÜD @ IBP
Singapore 609937

Phone : +65-6778 7777
E-mail: info.sg@tuvsud.com
<https://www.tuvsud.com/sg>
Co. Reg : 199002667R

Regional Head Office:
TÜV SÜD Asia Pacific Pte. Ltd.
15 International Business Park
TÜV SÜD @ IBP
Singapore 609937
TÜV®



METHOD OF TEST

The following emission tests were conducted according to ASTM D5116-17 – *Standard Guide for Small-Scale Environmental Chamber Determinations of Organic Emissions From Indoor Materials / Products*, as reference.

1. Emission Test

- 1) Total Volatile Organic Compounds (TVOC) Emission
- 2) Formaldehyde Emission

Emission Test Condition

- 1) Chamber Volume: about 1m³
- 2) Temperature: 23°C
- 3) Relative Humidity: 50%
- 4) Air Exchange Rate: n=1 (air change rate per hour in the chamber)
- 5) Chamber Loading Ratio: 0.4-1.0 m²/m³ (total exposed surface area of the test specimen divided by the net air volume of the emission test chamber)
- 6) Air Velocity: 0.1 m/s to 0.3 m/s (over the surface of the test specimen)

Remark: Loading Factor of the sample is 0.40 m²/m³

2. Analysis of Hazardous Substances

1. Heavy metals analysis of Antimony (Sb), Arsenic (As), Cadmium (Cd), Chromium (Cr), Copper (Cu), Lead (Pb), Mercury (Hg), Selenium (Se) and Tin (Sn)

The sample was digested by inorganic acid, followed by analysis using Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES).

2. Analysis of Hexavalent Chromium (Cr⁶⁺)

The sample was analysed by UV-Vis spectrometer using 1,5-Diphenylcarbohydrazide as derivatizing agent.



RESULTS

Table 1. Total Volatile Organic Compounds (TVOC) Emission Test Result

Sample	Test Result (After 168 hours)	
DoctorPly	0.23 mg per m ² per hour	< 0.1 mg per m ³

Table 2. Formaldehyde Emission Test Result

Sample	Test Result (After 168 hours)	
DoctorPly	< 0.01 mg per m ² per hour	< 0.01 mg per m ³

Table 3. The elemental analytical results for the sample.

Test	Result
Antimony, Sb	Not Detected ^a
Arsenic, As	Not Detected ^a
Cadmium, Cd	Not Detected ^a
Chromium, Cr	Not Detected ^a
Copper, Cu	Not Detected ^a
Lead, Pb	Not Detected ^a
Mercury, Hg	Not Detected ^a
Selenium, Se	Not Detected ^a
Tin, Sn	Not Detected ^a
Hexavalent Chromium, Cr (VI)	Not Detected ^a


^a The method detection limit was 50 mg/kg.

MS LOO SHIRLYN
CHEMIST

DR LI SIHAI
AVP / SENIOR CHEMIST
CHEMICAL & MATERIALS



APPENDIX – SAMPLE PHOTO

Sample	Sample Photo
DoctorPly	



Test Report No. 7191354391-CHM25-LS
09 MAY 2025



Please note that this Report is issued under the following terms :

1. This report applies to the sample of the specific product/equipment given at the time of its testing/calibration. The results are not used to indicate or imply that they are applicable to other similar items. In addition, such results must not be used to indicate or imply that TÜV SÜD PSB approves, recommends or endorses the manufacturer, supplier or user of such product/equipment, or that TÜV SÜD PSB in any way "guarantees" the later performance of the product/equipment. Unless otherwise stated in this report, no tests were conducted to determine long term effects of using the specific product/equipment.
2. The sample/s mentioned in this report is/are submitted/supplied/manufactured by the Client. TÜV SÜD PSB therefore assumes no responsibility for the accuracy of information on the brand name, model number, origin of manufacture, consignment or any information supplied.
3. Nothing in this report shall be interpreted to mean that TÜV SÜD PSB has verified or ascertained any endorsement or marks from any other testing authority or bodies that may be found on that sample.
4. This report shall not be reproduced wholly or in parts and no reference shall be made by the Client to TÜV SÜD PSB or to the report or results furnished by TÜV SÜD PSB in any advertisements or sales promotion.
5. Unless otherwise stated, the tests were carried out in TÜV SÜD PSB Pte Ltd, 15 International Business Park TÜV SÜD @ IBP Singapore 609937.
6. The tests carried out by TÜV SÜD PSB and this report are subject to TÜV SÜD PSB's General Terms and Conditions of Business and the Testing, Certification, Validation and Verification Regulations (TCVVR) of the TÜV SÜD Group.

Effective 27 March 2024