



Test Report

Report No. A2250792656101001

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Company Name BIOHOUSE (SHANGHAI) CO., LTD.

shown on Report

Address 3F,BLOCK 13,#251 LINSHENG ROAD,TINGLIN INDUSTRIAL PARK,JINSHAN
DISTRICT,SHANGHAI,P.R.CHINA

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

Sample Name	Hard Wax Oil 2C
Model No.	5700
Sample Received Date	Dec. 11, 2025
Testing Period	Dec. 11, 2025 to Dec. 17, 2025

Test Conducted:

As requested by the applicant. For details refer to next page(s).

Test Conclusion

The results of the test items shown on the report comply with the required limits of Solvent based coating - polyurethane based coating (finish [gloss (60 ° 80 units)]) in GB 18581-2020 Limit of harmful substances of woodware coatings.



Approved by

Zhou Hongxia

Date

Dec. 17, 2025

Zhou Hongxia

Lab Authorized Signatory

No. R201804050

Centre Testing International Pinbiao(Shanghai) Co., Ltd.

No.1351, Wanfang Road, Minhang District, Shanghai, China

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Executive Summary:**TEST REQUEST****CONCLUSION**

GB 18581-2020 Limit of harmful substances of woodware coatings

- Volatile Organic Compounds(VOC)	PASS
- Benzene	PASS
- Sum of Toluene and Xylene (including Ethylbenzene)	PASS
- Sum of free Diisocyanate	PASS
- Total Lead(Pb)	PASS
- Soluble heavy metals	PASS

PASS (FAIL) means that the results shown on the report (do not) comply with the required limits.

***** For further details, please refer to the following page(s) *****

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GB 18581-2020 Limit of harmful substances of woodware coatings**▼ Volatile Organic Compounds(VOC)**

Test Method: GB 18581-2020 6.2.1.4; Test Equipment: Oven, Balance, KF moisture meter

Test Item(s)	Result	MDL	Limit	Unit
	001			
VOC	13	2	≤650	g/L

▼ Benzene

Test Method: GB/T 23990-2009 Method A; Test Equipment: GC-FID

Test Item(s)	Result	MDL	Limit	Unit
	001			
Benzene	N.D.	0.002	≤0.1	%

▼ Sum of Toluene and Xylene (including Ethylbenzene)

Test Method: GB/T 23990-2009 Method A; Test Equipment: GC-MS

Test Item(s)	Result	MDL	Limit	Unit
	001			
Toluene	N.D.	0.002	--	%
Ethylbenzene	N.D.	0.002	--	%
Xylene	N.D.	0.002	--	%
Sum of Toluene and Xylene (including Ethylbenzene)	N.D.	0.002	≤20	%

▼ Sum of free Diisocyanate

Test Method: GB/T 18446-2009; Measured Equipment: GC-FID

Test Item(s)	Result	MDL	Limit	Unit
	001			
Toluene diisocyanate (TDI)	N.D.	0.01	--	%
Hexamethylene diisocyanate (HDI)	N.D.	0.01	--	%
Sum of free Diisocyanate (TDI、HDI)	N.D.	0.01	0.2	%

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▼ **Total Lead(Pb)**

Test Method: GB/T 30647-2014; Measured Equipment: ICP-OES

Test Item(s)	Result	MDL	Limit	Unit
	001			
Total Lead(Pb) (Pb)	N.D.	5	≤90	mg/kg

▼ **Soluble heavy metals**

Test Method: GB 18581-2020; Test Equipment: ICP-OES

Test Item(s)	Result	MDL	Limit	Unit
	001			
Cadmium (Cd)	N.D.	2	≤75	mg/kg
Chromium (Cr)	N.D.	2	≤60	mg/kg
Mercury (Hg)	N.D.	1	≤60	mg/kg

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- According to the client's statement, the tested product is Solvent based coating - polyurethane based coating (finish [gloss (60° < 80 units)]) .

Sample/Part Description

No.	CTI Sample ID	Description
1	001	Yellow liquid:colorless transparent liquid=100:30(by weight)

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Photo(s) of the sample(s)



Statement:

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. 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 / CNAS-GL015:2022;
5. Without written approval of CTI, this report can't be reproduced except in full;
6. In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

*** End of Report ***