



TEST REPORT

Applicant: Dongguan Habotest Instrument Technology Co., Ltd.
Address: No.8, 4th Qinghu Xingye Road, Qingxi Town, Dongguan City, Guangdong Province, China
Manufacturer: Dongguan Habotest Instrument Technology Co., Ltd.
Address: No.8, 4th Qinghu Xingye Road, Qingxi Town, Dongguan City, Guangdong Province, China

The following sample(s) and sample information by the applicant.

Product Name: Wood Moisture Meter
Trade Mark: HABOTEST
Model Number: HT73
Sample Received Date: Jan. 30, 2026
Testing Period: Jan. 30, 2026 -Mar. 09, 2026
Test Requested: With reference to RoHS Directive (EU) 2015/863 amending 2011/65/EU and Coordination Standard EN IEC 63000:2018.
Test Method: Please refer to next page(s).
Test Results: Please refer to next page(s).

Summary:

Conclusion

As requested by applicant, the submitted sample was tested which is listed as specimen description in the following page. The results of Lead(Pb), Mercury(Hg), Cadmium(Cd), Hexavalent chromium(Cr⁶⁺), Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) and Phthalates such as Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP), and Diisobutyl phthalate (DIBP) comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU and Coordination Standard EN IEC 63000:2018.

PASS

Prepared (Engineer): *Ni Chang* Ni Chang

Approved (Manager): *Jiang Zhixin* Jiang zhixin

This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of CQC Intime Testing Technology Co.,Ltd.

**Test Method:**

1. With reference to IEC 62321-2:2021, review was performed for the samples disjointed from the submitted articles.
2. With reference to IEC 62321-1:2013, tests were performed for the samples indicated by the photos in this report
 - (1) With reference to IEC 62321-3-1:2013, screening by EDXRF spectroscopy
 - (2) Wet chemical test method
 - a. With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES
 - b. With reference to IEC 62321-5:2013, determination of Lead by ICP-OES
 - c. With reference to IEC 62321-4:2013+ A1:2017, determination of Mercury by ICP-OES
 - d. With reference to IEC 62321-7-1:2015 & IEC 62321-7-2:2017, determination of Hexavalent chromium by Colorimetric method using UV-Vis.
 - e. With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS
3. With reference to IEC 62321-8:2017, determination of phthalates by GC-MS

**Test Part Description:**

Part No.	Part Description(s)	Style
1	Black Plastic Cover	-
2	Silver Metal Pins	-
3	Black Plastic Bracket	-
4	Yellow Metal Nut	-
5	Black Plastic Casing	-
6	Black Logo Sticker	-
7	Transparent Plastic Sheet	-
8	Button	-
9	Red Rubber Side	-
10	Black Metal Screw	-
11	Screen Display	-
12	Pink Rubber Strip	-
13	White Plastic Film	-
14	Black Sponge	-
15	Transparent Plastic Sheet	-
16	White PCB Board	-
17	Soldering	-
18	Led Lights	-
19	Red Insulation Skin	-
20	Black Insulation Leather	-
21	Yellow Insulation Skin	-
22	Green Insulation Skin	-
23	Silver Metal Wire	-
24	Silver Metal Pins	-
25	Green Pcb Board	-
26	Soldering	-
27	Spring	-



Part No.	Part Description(s)	Style
28	Chip Resistor	-
29	Chip Capacitor	-
30	Integrated Circuit	-
31	IC	-
32	SMD Transistor	-
33	Black Plastic Back Shell	-
34	Contact Piece	-
35	Spring	-
36	Black Plastic Buckle	-
		-

**Test Results:**

The results of XRF screening and chemical test (Unit: mg/kg)

Part No.	Element		X-ray Screening	Results of chemical test	Conclusion on RoHS EU	Sample Resubmitted
1	Pb		BL	---	Pass	/
	Cd		BL	---		
	Hg		BL	---		
	Cr(Cr ⁶⁺)		BL	---		
	(Br)	PBBs	ND	---		
		PBDEs		---		
	DIBP		---	ND		
	DBP		---	ND		
	BBP		---	ND		
	DEHP		---	ND		
2	Pb		BL	---	Pass	/
	Cd		BL	---		
	Hg		BL	---		
	Cr(Cr ⁶⁺)		BL	---		
	(Br)	PBBs	N/A	---		
		PBDEs		---		
	DIBP		---	N/A		
	DBP		---	N/A		
	BBP		---	N/A		
	DEHP		---	N/A		
3	Pb		BL	---	Pass	/
	Cd		BL	---		
	Hg		BL	---		
	Cr(Cr ⁶⁺)		BL	---		
	(Br)	PBBs	ND	---		
		PBDEs		---		
	DIBP		---	ND		
	DBP		---	ND		
	BBP		---	ND		
	DEHP		---	ND		
4	Pb		30056(E)	---	Pass	/
	Cd		BL	---		
	Hg		BL	---		
	Cr(Cr ⁶⁺)		BL	---		
	(Br)	PBBs	N/A	---		
		PBDEs		---		



	DIBP	---	N/A		
	DBP	---	N/A		
	BBP	---	N/A		
	DEHP	---	N/A		
5	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	Cr(Cr ⁶⁺)	BL	---		
	(Br)	PBBs	---		
		PBDEs	---		
	DIBP	---	ND		
	DBP	---	ND		
	BBP	---	ND		
	DEHP	---	ND		
6	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	Cr(Cr ⁶⁺)	BL	---		
	(Br)	PBBs	---		
		PBDEs	---		
	DIBP	---	ND		
	DBP	---	ND		
	BBP	---	ND		
	DEHP	---	ND		
7	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	Cr(Cr ⁶⁺)	BL	---		
	(Br)	PBBs	---		
		PBDEs	---		
	DIBP	---	ND		
	DBP	---	ND		
	BBP	---	ND		
	DEHP	---	ND		
8	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	Cr(Cr ⁶⁺)	BL	---		
	(Br)	PBBs	---		
		PBDEs	---		



	DIBP		---	ND		
	DBP		---	ND		
	BBP		---	ND		
	DEHP		---	ND		
9	Pb		BL	---	Pass	/
	Cd		BL	---		
	Hg		BL	---		
	Cr(Cr ⁶⁺)		BL	---		
	(Br)	PBBs	ND	---		
		PBDEs		---		
	DIBP		---	ND		
	DBP		---	ND		
	BBP		---	ND		
	DEHP		---	ND		
10	Pb		BL	---	Pass	/
	Cd		BL	---		
	Hg		BL	---		
	Cr(Cr ⁶⁺)		BL	---		
	(Br)	PBBs	N/A	---		
		PBDEs		---		
	DIBP		---	N/A		
	DBP		---	N/A		
	BBP		---	N/A		
	DEHP		---	N/A		
11	Pb		BL	---	Pass	/
	Cd		BL	---		
	Hg		BL	---		
	Cr(Cr ⁶⁺)		BL	---		
	(Br)	PBBs	ND	---		
		PBDEs		---		
	DIBP		---	ND		
	DBP		---	ND		
	BBP		---	ND		
	DEHP		---	ND		
12	Pb		BL	---	Pass	/
	Cd		BL	---		
	Hg		BL	---		
	Cr(Cr ⁶⁺)		BL	---		
	(Br)	PBBs	ND	---		
		PBDEs		---		



	DIBP		---	ND		
	DBP		---	ND		
	BBP		---	ND		
	DEHP		---	ND		
13	Pb		BL	---	Pass	/
	Cd		BL	---		
	Hg		BL	---		
	Cr(Cr ⁶⁺)		BL	---		
	(Br)	PBBs	ND	---		
		PBDEs		---		
	DIBP		---	ND		
	DBP		---	ND		
	BBP		---	ND		
	DEHP		---	ND		
14	Pb		BL	---	Pass	/
	Cd		BL	---		
	Hg		BL	---		
	Cr(Cr ⁶⁺)		BL	---		
	(Br)	PBBs	ND	---		
		PBDEs		---		
	DIBP		---	ND		
	DBP		---	ND		
	BBP		---	ND		
	DEHP		---	ND		
15	Pb		BL	---	Pass	/
	Cd		BL	---		
	Hg		BL	---		
	Cr(Cr ⁶⁺)		BL	---		
	(Br)	PBBs	ND	---		
		PBDEs		---		
	DIBP		---	ND		
	DBP		---	ND		
	BBP		---	ND		
	DEHP		---	ND		
16	Pb		BL	---	Pass	/
	Cd		BL	---		
	Hg		BL	---		
	Cr(Cr ⁶⁺)		BL	---		
	(Br)	PBBs	ND	---		
		PBDEs		---		



	DIBP		---	ND		
	DBP		---	ND		
	BBP		---	ND		
	DEHP		---	ND		
17	Pb		BL	---	Pass	/
	Cd		BL	---		
	Hg		BL	---		
	Cr(Cr ⁶⁺)		BL	---		
	(Br)	PBBs	N/A	---		
		PBDEs		---		
	DIBP		---	N/A		
	DBP		---	N/A		
	BBP		---	N/A		
	DEHP		---	N/A		
18	Pb		BL	---	Pass	/
	Cd		BL	---		
	Hg		BL	---		
	Cr(Cr ⁶⁺)		BL	---		
	(Br)	PBBs	ND	---		
		PBDEs		---		
	DIBP		---	ND		
	DBP		---	ND		
	BBP		---	ND		
	DEHP		---	ND		
19	Pb		BL	---	Pass	/
	Cd		BL	---		
	Hg		BL	---		
	Cr(Cr ⁶⁺)		BL	---		
	(Br)	PBBs	ND	---		
		PBDEs		---		
	DIBP		---	ND		
	DBP		---	ND		
	BBP		---	ND		
	DEHP		---	ND		
20	Pb		BL	---	Pass	/
	Cd		BL	---		
	Hg		BL	---		
	Cr(Cr ⁶⁺)		BL	---		
	(Br)	PBBs	ND	---		
		PBDEs		---		



	DIBP	---	ND		
	DBP	---	ND		
	BBP	---	ND		
	DEHP	---	ND		
21	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	Cr(Cr ⁶⁺)	BL	---		
	(Br)	PBBs	---		
		PBDEs	---		
	DIBP	---	ND		
	DBP	---	ND		
	BBP	---	ND		
	DEHP	---	ND		
22	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	Cr(Cr ⁶⁺)	BL	---		
	(Br)	PBBs	---		
		PBDEs	---		
	DIBP	---	ND		
	DBP	---	ND		
	BBP	---	ND		
	DEHP	---	ND		
23	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	Cr(Cr ⁶⁺)	BL	---		
	(Br)	PBBs	---		
		PBDEs	---		
	DIBP	---	N/A		
	DBP	---	N/A		
	BBP	---	N/A		
	DEHP	---	N/A		
24	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	Cr(Cr ⁶⁺)	BL	---		
	(Br)	PBBs	---		
		PBDEs	---		



	DIBP	---	N/A		
	DBP	---	N/A		
	BBP	---	N/A		
	DEHP	---	N/A		
25	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	Cr(Cr ⁶⁺)	BL	---		
	(Br)	PBBs	ND		
		PBDEs	ND		
	DIBP	---	ND		
	DBP	---	ND		
	BBP	---	ND		
	DEHP	---	ND		
26	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	Cr(Cr ⁶⁺)	BL	---		
	(Br)	PBBs	---		
		PBDEs	---		
	DIBP	---	N/A		
	DBP	---	N/A		
	BBP	---	N/A		
	DEHP	---	N/A		
27	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	Cr(Cr ⁶⁺)	BL	---		
	(Br)	PBBs	---		
		PBDEs	---		
	DIBP	---	N/A		
	DBP	---	N/A		
	BBP	---	N/A		
	DEHP	---	N/A		
28	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	Cr(Cr ⁶⁺)	BL	---		
	(Br)	PBBs	---		
		PBDEs	---		



	DIBP		---	ND		
	DBP		---	ND		
	BBP		---	ND		
	DEHP		---	ND		
29	Pb		BL	---	Pass	/
	Cd		BL	---		
	Hg		BL	---		
	Cr(Cr ⁶⁺)		BL	---		
	(Br)	PBBs	ND	---		
		PBDEs		---		
	DIBP		---	ND		
	DBP		---	ND		
	BBP		---	ND		
	DEHP		---	ND		
30	Pb		BL	---	Pass	/
	Cd		BL	---		
	Hg		BL	---		
	Cr(Cr ⁶⁺)		BL	---		
	(Br)	PBBs	ND	---		
		PBDEs		---		
	DIBP		---	ND		
	DBP		---	ND		
	BBP		---	ND		
	DEHP		---	ND		
31	Pb		BL	---	Pass	/
	Cd		BL	---		
	Hg		BL	---		
	Cr(Cr ⁶⁺)		BL	---		
	(Br)	PBBs	ND	---		
		PBDEs		---		
	DIBP		---	ND		
	DBP		---	ND		
	BBP		---	ND		
	DEHP		---	ND		
32	Pb		BL	---	Pass	/
	Cd		BL	---		
	Hg		BL	---		
	Cr(Cr ⁶⁺)		BL	---		
	(Br)	PBBs	ND	---		
		PBDEs		---		



	DIBP		---	ND		
	DBP		---	ND		
	BBP		---	ND		
	DEHP		---	ND		
33	Pb		BL	---	Pass	/
	Cd		BL	---		
	Hg		BL	---		
	Cr(Cr ⁶⁺)		BL	---		
	(Br)	PBBs	ND	---		
		PBDEs		---		
	DIBP		---	ND		
	DBP		---	ND		
	BBP		---	ND		
	DEHP		---	ND		
34	Pb		BL	---	Pass	/
	Cd		BL	---		
	Hg		BL	---		
	Cr(Cr ⁶⁺)		BL	---		
	(Br)	PBBs	N/A	---		
		PBDEs		---		
	DIBP		---	N/A		
	DBP		---	N/A		
	BBP		---	N/A		
	DEHP		---	N/A		
35	Pb		BL	---	Pass	/
	Cd		BL	---		
	Hg		BL	---		
	Cr(Cr ⁶⁺)		BL	---		
	(Br)	PBBs	N/A	---		
		PBDEs		---		
	DIBP		---	N/A		
	DBP		---	N/A		
	BBP		---	N/A		
	DEHP		---	N/A		
36	Pb		BL	---	Pass	/
	Cd		BL	---		
	Hg		BL	---		
	Cr(Cr ⁶⁺)		BL	---		
	(Br)	PBBs	ND	---		
		PBDEs		---		



	DIBP	---	ND		
	DBP	---	ND		
	BBP	---	ND		
	DEHP	---	ND		

Remark:

(1) * = Copper alloy containing up to 4% lead by weight.

The item is exempted from the requirements of the item 6(c) in ANNEX III, (Directive 2011/65/EU).

(2) & = Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.

The item is exempted from the requirements of the item 7(c)-I in ANNEX III, (Directive 2011/65/EU).

**Remark:**

(1) There are the results on total Br while test items on restricted substances are PBBs and PBDEs. There are the results on total Cr while test items on restricted substances Cr(VI)

(2) Results are obtained by EDXRF for primary screening, and further chemical testing by ICP-OES (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC-MS (for PBBs, PBDEs) is recommended to be performed, if the concentration exceeds the below warning value according to IEC 62321-3-1:2013 (unit:mg/kg)

Element	Polymer Materials	Metal Materials	Composite Materials
Cd	$BL \leq 70 - 3\sigma < X < 130 + 3\sigma \leq OL$	$BL \leq 70 - 3\sigma < X < 130 + 3\sigma \leq OL$	$BL \leq 50 - 3\sigma < X < 150 + 3\sigma \leq OL$
Pb	$BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$	$BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$	$BL \leq 500 - 3\sigma < X < 1500 + 3\sigma \leq OL$
Hg	$BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$	$BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$	$BL \leq 500 - 3\sigma < X < 1500 + 3\sigma \leq OL$
Br	$BL \leq 300 - 3\sigma < X$	---	$BL \leq 250 - 3\sigma < X$
Cr	$BL \leq 700 - 3\sigma < X$	$BL \leq 700 - 3\sigma < X$	$BL \leq 500 - 3\sigma < X$

(a) BL= Below Limit, OL=Over Limit, X= Inconclusive, LOD= Limit of Detection, --- = Not regulated.

(b) The XRF screening test for RoHS elements - the reading may be different to actual content in the sample be of non-uniformity composition

(c) mg/kg=0.0001%, MDL=Method Detection Limit, ND=Not Detected (<MDL), NA= Not applicable

Unit and MDL in wet chemical test

Test Item	Pb	Cd	Hg	DBP	BBP	DEHP	DIBP
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
MDL	10	10	10	100	100	100	100

The MDL for single compound of PBBs and PBDEs is 100 mg/kg

MDL of Cr(VI) for polymer and composite sample is 10 mg/kg

MDL of Cr(VI) for metal sample is 0.10ug/cm²

(c) ▼=Metal sample

a. The sample is negative for Cr⁶⁺ if Cr⁶⁺ is ND (below the limit 0.10ug/cm²). The coating is considered a non Cr⁶⁺ based coating.

b. The sample positive for Cr⁶⁺ if the Cr⁶⁺ concentration is greater than 0.13ug/cm². The sample coating is considered to contain Cr⁶⁺.

c. The result between 0.10ug/cm² and 0.13ug/cm² is considered to be inconclusive unavoidable coating variations may influence the determination.

Note: This report only applies to sample of model HT73 .



Sample photo:



***** END OF REPORT *****