



TEST REPORT

Report No.:CTC202608102005R

Applicant: Hebei Cozynest Tech Co., Ltd.
Address: 30 meters east of the opposite side of Mucun Township Government, Xinle City, Hebei Province

The following sample(s) was/were submitted and identified on behalf of the client as:

Product name: Electric Heating Blanket
Model: HBCN-01
Listed Model: HBCN-02, HBCN-03, HBCN-04, HBCN-05, HBCN-06, HBCN-07, HBCN-08, HBCN-09, HBCN-10, HBCN-11, HBCN-12, HBCN-13, HBCN-14, HBCN-15, HBCN-06, HBCN-07, HBCN-08, HBCN-19, HBCN-20
Trade mark: N/A
Manufacturer: Hebei Cozynest Tech Co., Ltd.
Address: 30 meters east of the opposite side of Mucun Township Government, Xinle City, Hebei Province

Testing Laboratory Name: Centre testing Commodity Co., LTD.

Address: Room 101, No.327-6, Guanping Road, Songxuan Community, Guanhu Subdistrict Longhua District, Shenzhen City

Sample Received Date: 2026-08-10
Testing Period: 2026-08-10 to 2026-08-17

Test Requirement:**Conclusion:**

1. As specified by client, to determine the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr⁶⁺), Polybrominated Biphenyls(PBBs), Polybrominated, Diphenyl Ethers(PBDEs), Bis-(2-ethylhexyl) Phthalate (DEHP), Benzyl butyl Phthalate (BBP), Dibutyl Phthalate (DBP) and Diisobutyl Phthalate(DIBP) contents in the submitted sample in accordance with ROHS directive 2011/65/EU and the amendment directive (EU) 2015/863.

Pass

Test Result(s): Please refer to the following page(s);**Test Method:** Please refer to the following page(s);

Tested by

ken chen

Reviewed by:

Raymond Yu

Approved by:

Bob xu

Date:

2026-08-20



**Test Result(s):**

Sample No.	Sample Description	Tested Items	XRF Screening Test	Chemical Test (mg/kg)	Conclusion
1	Plastic cover (Connector)	Pb	BL	/	PASS
		Cd	BL	/	
		Hg	BL	/	
		Cr(Cr(VI))	BL	/	
		Br(PBBs&PBDEs)	BL	/	
		DIBP	BL	/	
		DEHP	BL	/	
		BBP	BL	/	
		DBP	BL	/	
2	Fabric material (100 %PES)	Pb	BL	/	PASS
		Cd	BL	/	
		Hg	BL	/	
		Cr(Cr(VI))	BL	/	
		Br(PBBs&PBDEs)	BL	/	
		DIBP	BL	/	
		DEHP	BL	/	
		BBP	BL	/	
		DBP	BL	/	
3	Input charging wire (Copper Conductor + Insulation)	Pb	BL	/	PASS
		Cd	BL	/	
		Hg	BL	/	
		Cr(Cr(VI))	BL	/	
		Br(PBBs&PBDEs)	/	N.D.	
		DIBP	/	N.D.	
		DEHP	/	N.D.	
		BBP	/	N.D.	
		DBP	/	N.D.	
4	White plastic enclosure	Pb	BL	/	PASS
		Cd	BL	/	
		Hg	BL	/	
		Cr(Cr(VI))	BL	/	
		Br(PBBs&PBDEs)	BL	/	
		DIBP	BL	/	
		DEHP	BL	/	
		BBP	BL	/	
		DBP	BL	/	



5	X2-class safety capacitor (yellow housing)	Pb	BL	/	PASS
		Cd	BL	/	
		Hg	BL	/	
		Cr(Cr(VI))	BL	/	
		Br(PBBs&PBDEs)	BL	/	
		DIBP	BL	/	
		DEHP	BL	/	
		BBP	BL	/	
		DBP	BL	/	
6	Thermal fuse (ceramic housing)	Pb	BL	/	PASS
		Cd	BL	/	
		Hg	BL	/	
		Cr(Cr(VI))	BL	/	
		Br(PBBs&PBDEs)	BL	/	
		DIBP	BL	/	
		DEHP	BL	/	
		BBP	BL	/	
		DBP	BL	/	
7	Tactile switch	Pb	BL	/	PASS
		Cd	BL	/	
		Hg	BL	/	
		Cr(Cr(VI))	BL	/	
		Br(PBBs&PBDEs)	/	N.D.	
		DIBP	/	N.D.	
		DEHP	/	N.D.	
		BBP	/	N.D.	
		DBP	/	N.D.	
8	SMT chip resistor	Pb	BL	/	PASS
		Cd	BL	/	
		Hg	BL	/	
		Cr(Cr(VI))	BL	/	
		Br(PBBs&PBDEs)	/	N.D.	
		DIBP	/	N.D.	
		DEHP	/	N.D.	
		BBP	/	N.D.	
		DBP	/	N.D.	
9	PCB Assembly (Control Circuit)	Pb	BL	/	PASS
		Cd	BL	/	
		Hg	BL	/	
		Cr(Cr(VI))	BL	/	
		Br(PBBs&PBDEs)	BL	/	
		DIBP	BL	/	



		DEHP	BL	/	
		BBP	BL	/	
		DBP	BL	/	
10	Solder Joints (PCB Pads + Component Pins)	Pb	BL	/	PASS
		Cd	BL	/	
		Hg	BL	/	
		Cr(Cr(VI))	BL	/	
		Br(PBBs&PBDEs)	/	N.D.	
		DIBP	/	N.D.	
		DEHP	/	N.D.	
		BBP	/	N.D.	
		DBP	/	N.D.	

Note:

- N.D. = Not Detected (<MDL)
- MDL = Method Detection Limit
- mg/kg = ppm = parts per million
- /=Not Regulated or Not Applicable
- BL = Under the XRF screening limit

Because the storage condition and production date of the sample are not known, the test results of the sample of hexavalent chromium can only represent the state of hexavalent chromium in the samples tested.



1. Test Method

when screening results exceed the XRF screening limit in IEC62321-3-1: 2013, further use of chemical methods are required to test the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls(PBBs) and Polybrominated Diphenyl Ethers(PBDEs)

1.XRF screening limits in mg/kg for regulated elements according to IEC 62321-3-1:2013

Element	Limit of IEC 62321-3-1:2013 (unit:mg/kg)		
	Polymers	Metals	Composite material
Pb	$BL \leq (700-3\sigma) < X$ $< (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X$ $< (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X$ $< (1500+3\sigma) \leq OL$
Cd	$BL \leq (70-3\sigma) < X$ $< (130+3\sigma) \leq OL$	$BL \leq (70-3\sigma) < X$ $< (130+3\sigma) \leq OL$	$LOD < X < (150+3\sigma)$ $\leq OL$
Hg	$BL \leq (700-3\sigma) < X$ $< (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X$ $< (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X$ $< (1500+3\sigma) \leq OL$
Cr	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X$	$BL \leq (500-3\sigma) < X$
Br	$BL \leq (300-3\sigma) < X$	/	$BL \leq (250-3\sigma) < X$

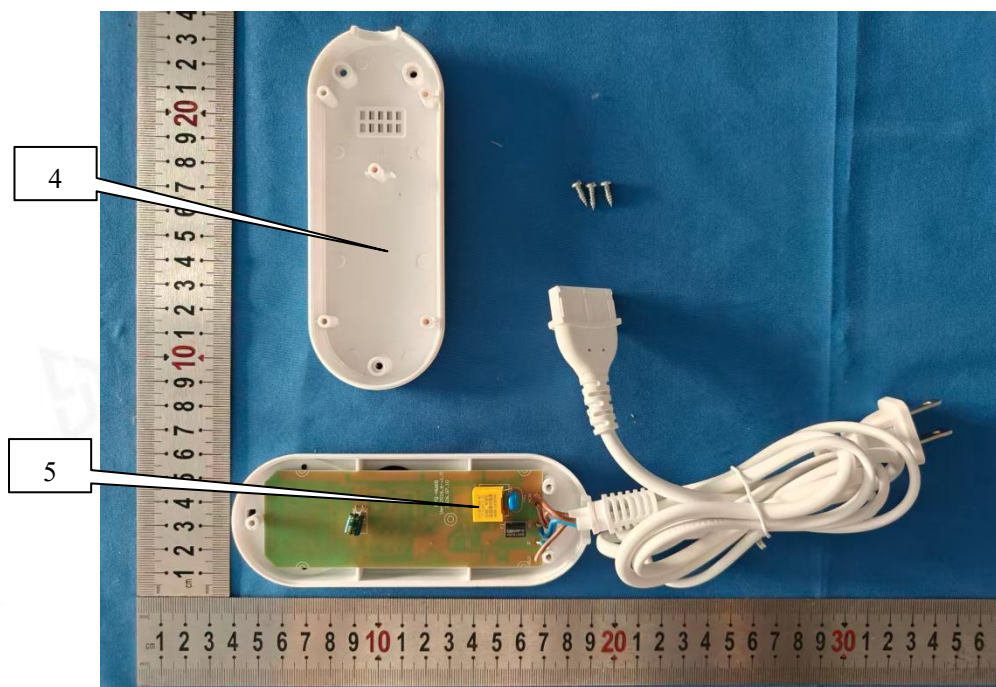


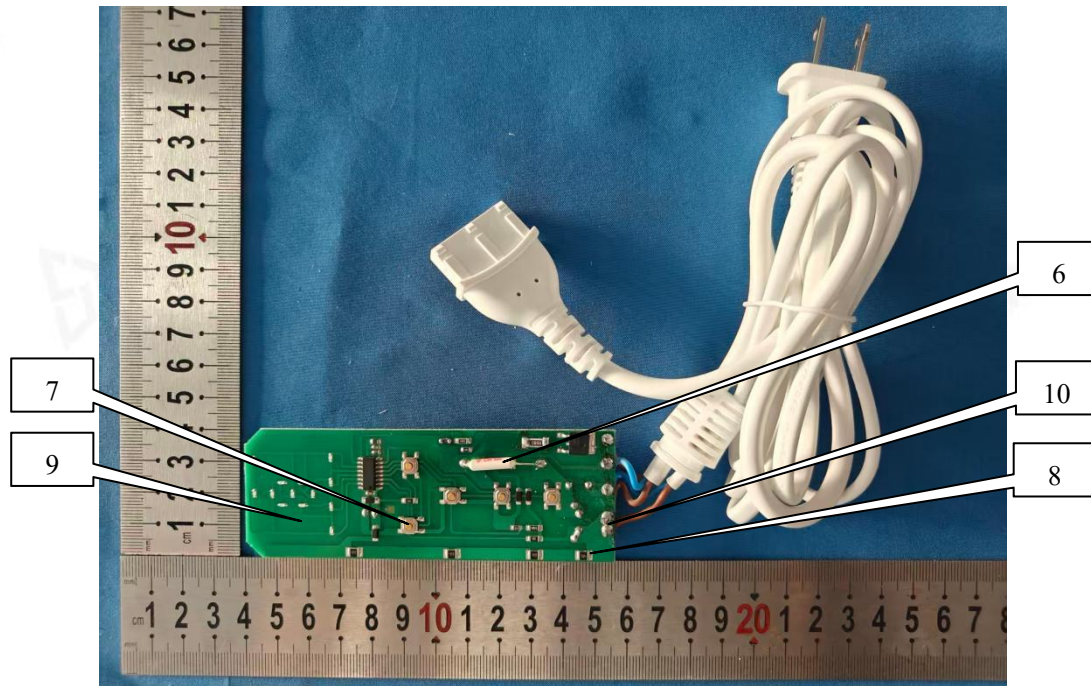
2. Chemical Test

Test item	Test method	Test instrument	MDL	Limit
Lead(Pb)	IEC 62321-5:2013 Ed.1.0	ICP-OES	10 mg/kg	1000 mg/kg
Cadmium(Cd)	IEC 62321-5:2013 Ed.1.0	ICP-OES	10mg/kg	100 mg/kg
Mercury(Hg)	IEC 62321-4:2013 Ed.1.0	ICP-OES	10mg/kg	1000 mg/kg
Hexavalent Chromium (Cr VI)	IEC62321-7-1:2015 Ed.1.0	UV-Vis	0.10 µg/cm ²	1000 mg/kg
	IEC 62321-7-2:2017 Ed.1.0		10mg/kg	
Polybrominated Biphenyls(PBBs)	IEC 62321-6:2015 Ed.1.0	GC-MS	100mg/kg	1000 mg/kg
Polybrominated, Diphenyl Ethers(PBDEs)	IEC 62321-6:2015 Ed.1.0	GC-MS	100mg/kg	1000 mg/kg
Bis-(2-ethylhexyl) Phthalate (DEHP)	IEC 62321-8:2017 Ed.1.0	GC-MS	50mg/kg	1000 mg/kg
Benzyl butyl Phthalate (BBP)	IEC 62321-8:2017 Ed.1.0	GC-MS	50mg/kg	1000 mg/kg
Dibutyl Phthalate (DBP)	IEC 62321-8:2017 Ed.1.0	GC-MS	50mg/kg	1000 mg/kg
Diisobutyl Phthalate(DIBP)	IEC 62321-8:2017 Ed.1.0	GC-MS	50mg/kg	1000 mg/kg

Note:

- Under the XRF screening limit
- Over the XRF screening limit
- X=The symbol "X" marks the region where further investigation is necessary.
- 3σ =The reproducibility of analytical instruments
- LOD= Detection limit

Sample photo(s):



****End of Report****

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