Test Report

Applicant: EHOME PRODUCTS CO., LIMITED Address: UNIT 04, 7 / F BRIGHT WAY TOWER, NO.33 MONG KOK ROAD, KOWLOON, HONGKONG Bepart on the submitted sample(s) said to be:

Report on the submitted sample(s) said to be:

Sample Name	: Smart bracelet
Sample Model	: WB07, WB07B,C07Plus
Trademark	:
Manufacturer	1
Address	9

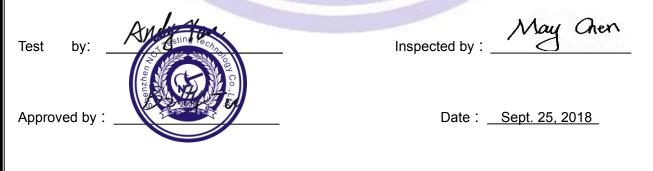
Sample Received Date : July. 04, 2018 Testing Period July. 04, 2018 to July. 12, 2018 Test Method 1.Screening test method: IEC62321-3-1:2013/XRF 2.Wet chemical test method Lead(Pb): IEC62321-5:2013/ICP-OES BHZH9 Cadmium(Cd): IEC62321-5:2013/ICP-OES Mercury(Hg): IEC62321-4:2013+A1: 2017/ICP-OES Hexavalent Chromium(CrVI): IEC62321-7-1:2015/UV-VIS and IEC62321-7-2:2017/UV-VIS (PBBs):IEC62321-6:2015 Polybrominated Biphenyls /GC-MS Polybrominated Biphenyl Ethers(PBDEs): IEC62321-6:2015 /GC-MS Test Results Refer to the next page(s).

Test Requested

Conclusion

{1}RoHS Directive 2011/65/EU Annex II – Lead(Pb), Cadmium(Cd),
Mercury(Hg), Hexavalent Chromium(CrVI), Polybrominated Biphenyls (PBBs),
Polybrominated Biphenyl Ethers(PBDEs)
{2}Phthalates–DBP, BBP, DEHP, DIBP

PASS



Report No.: NCT18027062R1-1

Page 1 of 11

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Test Report

Test Results

10.	Part Name	Restricted Substances	Results of EDXRF(1)	Result of Wet Chemical Testing (2)(mg/kg)
		Pb	BL	
1		Cd	BL	
		Hg	BL	
1	Power line	Cr ⁶⁺	BL	
		PBBs		
		PBDEs	BL	
		Pb	BL	
		Cd	BL	
2		Hg	BL	0 1
	Black plastic shell	Cr ⁶⁺	BL	0
	a la	PBBs		~
	i i i	PBDEs	BL	0
	Yellow plastic tape	Pb	BL	0 -
		Cd	BL	
		Hg	BL	
3		Cr ⁶⁺	BL	
	5	PBBs	8	0
	0,	PBDEs	BL	
		Pb	BL	
4		Cd	BL	
	Red line set	Hg	BL	/
4	Red line Set	Cr ⁶⁺	BL	
		PBBs	PI	
		PBDEs	BL	
	Diack line and	Pb	BL	
		Cd	BL	
E		Hg	BL	
5	Black line set	Cr ⁶⁺	BL	
		PBBs	Ы	
		PBDEs	BL	

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Page 2 of 1' http://www.nct-testing.cn

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No. Part Name		Restricted Substances	Results of EDXRF(1)	Result of Wet Chemical Testing (2)(mg/kg)
		Pb	BL	
		Cd	BL	
~		Hg	BL	
6	Display screen	Cr ⁶⁺	BL	
		PBBs		
		PBDEs	BL	_
	C	Pb	BL	
		Cd	BL	
7	1	Hg	BL	
	Heart rate sensor	Cr ⁶⁺	BL	9
	0	PBBs	BL	~
	E I	PBDEs	BL	
8	Resistance	Pb	BL	0 -
		Cd	BL	x
		Hg	BL	
		Cr ⁶⁺	BL	
		PBBs	8 BL	0
		PBDEs	BL	
		Pb	BL	
		Cd	BL	
9	Canaaitanaa	Hg	BL	/ /·
9	Capacitance	Cr ⁶⁺	BL	· · · · ·
		PBBs	PI	
		PBDEs	BL	
10	Diode	Pb	BL	
		Cd	BL	
		Hg	BL	
		Cr ⁶⁺	BL	
		PBBs	Ы	
		PBDEs	BL	

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Test Report

No. Part Name		Part Name Restricted Substances		Result of Wet Chemical Testing (2)(mg/kg)
		Pb	BL	
		Cd	BL	
		Hg	BL	
11	Chip	Cr ⁶⁺	BL	
		PBBs		
		PBDEs	BL	
		Pb	BL	
		Cd	BL	
12		Hg	BL	0 1
	PCB	Cr ⁶⁺	BL	0
	6 5	PBBs PBDEs	BL	4
13	2			C
	Aluminum sleeve	Pb	BL	0
		Cd	BL	
		Hg	BL	
		Cr ⁶⁺	BL	~ 1
	5	PBBs PBDEs	B BL	.9.1-
		Pb	BL	//
		Cd	BL	///
14		Hg	BL	
	Black oxide	Cr ⁶⁺	BL	
		PBBs		
		PBDEs	BL	
		Pb	BL	
		Cd	BL	
		Hg	BL	
15	Electrolytic paper	Cr ⁶⁺	BL	
		PBBs		
		PBDEs	BL	

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tape Cro* BL PBBs BL PBDEs BL Cd BL Hq BL	Insulated rubber tape Cd BL Hg BL PBBs BL PBDEs BL 17 Screw Pb BL Hg BL PBDEs BL 17 Screw Cd BL Hg BL Hg BL PBBs BL PBBs BL PBDEs BL	Insulated rubber tape Cd BL Hg BL PBBs BL PBDEs BL 17 Screw Pb BL Hg BL PBDEs BL 17 Screw Cd BL Hg BL Hg BL PBBs BL PBBs BL PBDEs BL	Insulated rubber tape Cd BL Hg BL Cr ⁶⁺ BL PBBs BL PBDEs BL PBDEs BL Cd BL Cd BL Hg BL Hg BL Hg BL PBBs BL PBDEs BL	No.	Part Name	Restricted Substances	Results of EDXRF(1)	Result of Wet Chemical Testing (2)(mg/kg)
Insulated rubber tape Hg BL Cr ⁶⁺ BL PBDEs BL PBDEs BL Cd BL Hg BL Cd BL Hg BL Hg BL Hg BL Hg BL PBBs BL PBDEs BL	Insulated rubber tape Hg BL Cr ⁶⁺ BL PBDEs BL PBDEs BL 17 Screw Cd BL Hg BL Hg BL Hg BL PBBs BL PBDEs BL	Insulated rubber tape Hg BL Cr ⁶⁺ BL PBDEs BL PBDEs BL 17 Screw Cd BL Hg BL Hg BL Hg BL PBBs BL PBDEs BL	Insulated rubber tape Hg BL Cr ⁶⁺ BL PBBs BL PBDEs BL Cd BL Hg BL Cd BL Hg BL Hg BL PBBs BL PBBs BL PBBs BL PBBs BL PBDEs BL			Pb	BL	
Inclusion resolution Cr ⁶⁺ BL PBBs BL PBDEs BL Cd BL Hg BL Hg BL PBBs BL PBBs BL PBBs BL PBBs BL PBDEs BL	Inclusion resolution Cr ⁶⁺ BL PBBs BL PBDEs BL Pb BL Cd BL Hg BL Hg BL PBBs BL PBBs BL PBBs BL PBDEs BL	Inclusion resolution Cr ⁶⁺ BL PBBs BL PBDEs BL Pb BL Cd BL Hg BL Hg BL PBBs BL PBBs BL PBBs BL PBDEs BL	Inclusion region Cr ⁶⁺ BL PBBs BL PBDEs BL Pb BL Cd BL Hg BL Hg BL PBBs BL PBBs BL PBDEs BL			Cd	BL	
tape Cr ^{o+} BL PBBs BL PBDEs BL Cd BL Cd BL Hg BL Hg BL PBBs BL PBDEs BL	tape Cr ^{o+} BL PBBs BL PBDEs BL Cd BL Cd BL Hg BL Hg BL PBBs BL PBDEs BL	tape Cr ^{o+} BL PBBs BL PBDEs BL Cd BL Cd BL Hg BL Hg BL PBBs BL PBDEs BL	tape Cro* BL PBBs BL PBDEs BL Cd BL Cd BL Hg BL Hg BL PBBs BL PBBs BL PBDEs BL	16	Insulated rubber		BL	
PBBs BL PBDEs BL Pb BL Cd BL Hg BL Hg BL PBBs BL PBBs BL	PBBs BL PBDEs BL Pb BL Cd BL Hg BL Hg BL PBBs BL PBBs BL	PBBs BL PBDEs BL Pb BL Cd BL Hg BL Hg BL PBBs BL PBBs BL	PBBs BL PBDEs BL 7 Screw Cd BL Hg BL Hg BL PBBs BL PBBs BL	U	tape	Cr ⁶⁺	BL	
PBDEs BL Pb BL Cd BL Hg BL Hg BL PBBs BL PBDEs BL	PBDEs BL Pb BL Cd BL Hg BL Hg BL PBBs BL PBDEs BL	PBDEs BL Pb BL Cd BL Hg BL Hg BL PBBs BL PBDEs BL	PBDEs BL I7 Screw Cd BL Hg BL Hg BL Hg BL PBBs BL PBDEs BL			PBBs		
Inf Cd BL Hg BL Hg BL PBBs BL PBDEs BL	Inf Cd BL Hg BL Hg BL PBBs BL PBDEs BL	Inf Cd BL Hg BL Hg BL PBBs BL PBDEs BL	I7 Cd BL Hg BL Cr ⁶⁺ BL PBBs BL PBDEs BL			PBDEs	E PL	
Hg BL Cr ⁶⁺ BL PBBs BL PBDEs BL	Hg BL Cr ⁶⁺ BL PBBs BL PBDEs BL	Hg BL Cr ⁶⁺ BL PBBs BL PBDEs BL	Hg BL Cr ⁶⁺ BL PBBs BL PBDEs BL		C C	Pb	BL	
Screw Cr ⁶⁺ BL PBBs BL PBDEs BL	Screw Cr ⁶⁺ BL PBBs BL PBDEs BL	Screw Cr ⁶⁺ BL PBBs BL PBDEs BL	Screw Cr ⁶⁺ BL PBBs BL PBDEs BL			Cd	BL	
Cr ⁶⁺ BL PBBs BL	Cr ⁶⁺ BL PBBs BL	Cr ⁶⁺ BL PBBs BL	Cr6+ BL PBBs BL PBDEs BL	17		Hg	BL	2
PBDEs BL	PBDEs BL	PBDEs BL	PBDEs BL	17	Screw	Cr ⁶⁺	BL	9-
PBDEs	PBDEs	PBDEs	PBDEs		a	PBBs	BI	~
					i i i	PBDEs	DL V	O

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Remark:

(a) It is the result on total Br while test item on restricted substances is PBBs/PBDEs. It is the result on total Cr while test item on restricted substances is Cr6+.

(b) Results are obtained by EDXRF for primary screening, and further chemical testing by ICP (for Cd, Pb,Hg), UV-VIS (for CrVI) 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	Metal	Composite Materials
Cd	BL≤(70-3σ) <x<(130+30σ)≤ol< td=""><td>BL≤(70-3σ)<x<(130+30σ)≤ol< td=""><td>LOD<x<(150+30σ)≤ol< td=""></x<(150+30σ)≤ol<></td></x<(130+30σ)≤ol<></td></x<(130+30σ)≤ol<>	BL≤(70-3σ) <x<(130+30σ)≤ol< td=""><td>LOD<x<(150+30σ)≤ol< td=""></x<(150+30σ)≤ol<></td></x<(130+30σ)≤ol<>	LOD <x<(150+30σ)≤ol< td=""></x<(150+30σ)≤ol<>
Pb	BL≤(700-3σ) <x<(1300+30σ)≤ol< td=""><td>BL≤(700-3σ)<x<(1300+30σ)≤ol< td=""><td>BL≤(500-3σ)<x<(1300+30σ)≤ol< td=""></x<(1300+30σ)≤ol<></td></x<(1300+30σ)≤ol<></td></x<(1300+30σ)≤ol<>	BL≤(700-3σ) <x<(1300+30σ)≤ol< td=""><td>BL≤(500-3σ)<x<(1300+30σ)≤ol< td=""></x<(1300+30σ)≤ol<></td></x<(1300+30σ)≤ol<>	BL≤(500-3σ) <x<(1300+30σ)≤ol< td=""></x<(1300+30σ)≤ol<>
Hg	BL≤(700-3σ) <x<(1300+30σ)≤ol< td=""><td>BL≤(700-3σ)<x<(1300+30σ)≤ol< td=""><td>BL≤(500-3σ)<x<(1300+30σ)≤ol< td=""></x<(1300+30σ)≤ol<></td></x<(1300+30σ)≤ol<></td></x<(1300+30σ)≤ol<>	BL≤(700-3σ) <x<(1300+30σ)≤ol< td=""><td>BL≤(500-3σ)<x<(1300+30σ)≤ol< td=""></x<(1300+30σ)≤ol<></td></x<(1300+30σ)≤ol<>	BL≤(500-3σ) <x<(1300+30σ)≤ol< td=""></x<(1300+30σ)≤ol<>
Br	BL≤(<mark>300-3</mark> σ)<Χ		BL≤(250-3σ)<Χ
Cr	BL≤(700-3σ)<Χ	BL≤(700-3σ)<Χ	BL≤(500-3σ)<Χ

(c) BL=Below Limit, OL=Over Limit, IN=Inconclusive, LOD=Limit of Detection,

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

(e) mg/kg = ppm = 0.0001%, N.D. = not detected (<MDL), --- = not conducted

(f) Unit and Method Detection Limit (MDL) in wet chemical test:

Test Items	Pb	Cd	Hg
Units	mg/kg	mg/kg	mg/kg
MDL	2 20	08 2	2

The MDL for single compound of PBBs & PBDEs is 5 mg/kg and MDL of Cr6+ for polymer & composite sample is 2 mg/kg.

(g) According to IEC 62321:2008, result on Cr6+ for metal sample is shown as Positive/Negative.

Positive = Presence of Cr6+ coating, Negative = Absence of Cr6+ coating.



Test Report

{2}Phthalates Test Results

Test Method: Refer to EN14372:2004 and use GC-MS to perform the test

Test Item	Test Method	CAS No.	MDL	Re	sult (%)	Limit (%)
			(%)	2	3	4	
Dibutyl phthalate	IEC62321-8:2017/	84-74-2	0.005	N.D	N.D	N.D	0.1
(DBP)	GC-MS						
Butyl benzyl	IEC62321-8:2017/	85-68-7	0.005	N.D	N.D	N.D	0.1
phthalate(BBP)	GC-MS						
Bi(s-(2-ethylhexyl)	120-	-	~1	. 6	-	1	
phthalate	IEC62321-8:2017/	117-81-7	0.005	N.D	N.D	N.D	0.1
(DEHP)	GC-MS	10-c	140				
Di-iso-butyl				1	0	11	
ortho-phthalate	IEC62321-8:2017/	84-69-5	0.005	N.D	N.D	N.D	0.1
(DIBP)	GC-MS				15	- 1	0
U				21	7		
2				NIC		()	

and the second se			100		1 million (1997)		
Test Item	Test Method	CAS No.	MDL	Re	sult(%		Limit (%)
E I			(%)	5	13	14	
Dibutyl phthalate	IEC62321-8:2017/	84-74-2	0.005	N.D	N.D	N.D	0.1
(DBP)	GC-MS			VIL	1 5	1	
		200	8		.0		
Butyl benzyl	IEC62321-8:2017/	85-68-7	0.005	N.D	N.D	N.D	0.1
phthalate(BBP)	GC-MS		18	P			0
Bi(s-(2-ethylhexyl)							
phthalate	IEC62321-8:2017/	117-81-7	0.005	N.D	N.D	N.D	0.1
(DEHP)	GC-MS						
Di-iso-butyl							
ortho-phthalate	IEC62321-8:2017/	84-69-5	0.005	N.D	N.D	N.D	0.1
(DIBP)	GC-MS						

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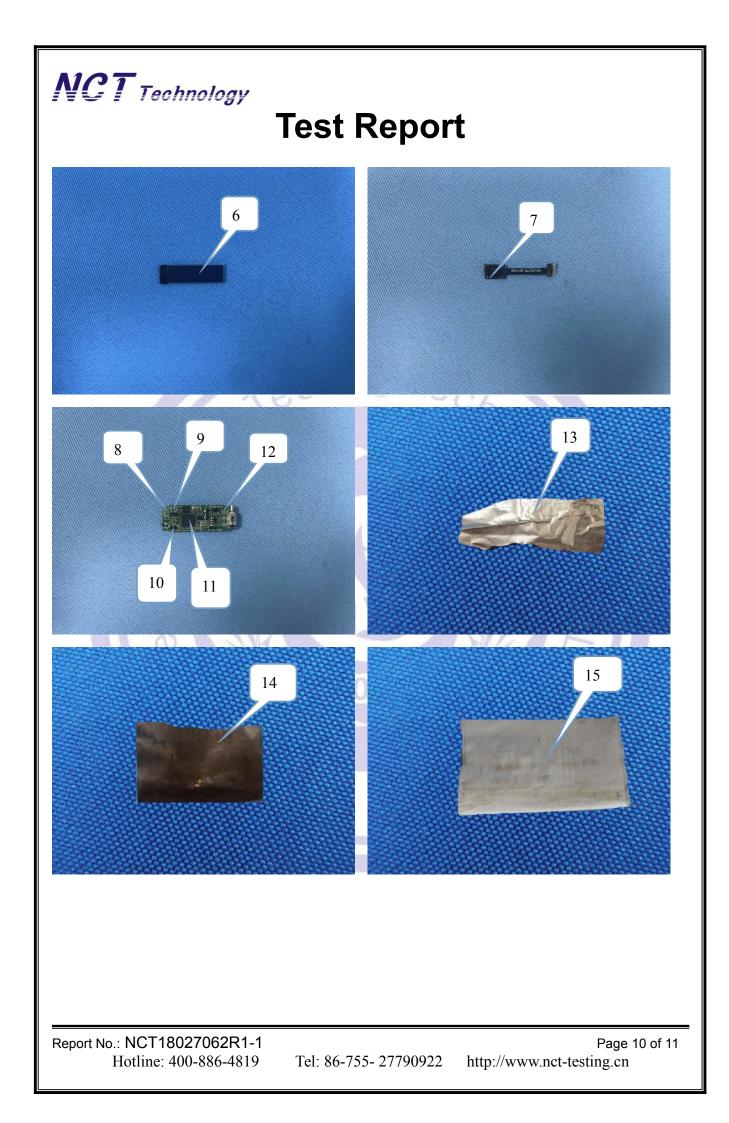
Test Item	Test Method	CAS No.	MDL	Result	(%)	Limit (%)
			(%)	15	16	
Dibutyl phthalate	IEC62321-8:2017/	84-74-2	0.005	N.D	N.D	0.1
(DBP)	GC-MS					
Butyl benzyl	IEC62321-8:2017/	85-68-7	0.005	N.D	N.D	0.1
phthalate(BBP)	GC-MS					
Bi(s-(2-ethylhexyl)						
phthalate	IEC62321-8:2017/	117-81-7	0.005	N.D	N.D	0.1
(DEHP)	GC-MS			75		
Di-iso-butyl	CIN	10-c	10.00	0		
ortho-phthalate	IEC62321-8:2017/	84-69-5	0.005	N.D	N.D	0.1
(DIBP)	GC-MS				a	

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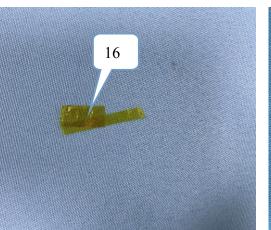
Note:

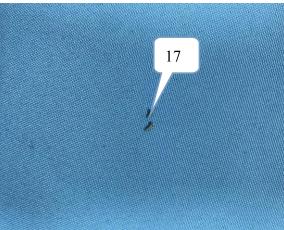
- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) N.D. = Not Detected (less than MDL)
- (3) MDL = Method Detection Limit
- (4) "--" = Not Regulated





Test Report





*** End of Report ***

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