

Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 1/F., Xingyuan Industrial Park, Tongda Road, Bao'an Avenue, Bao'an District, Shenzhen, Guangdong, China

Tel: (86)755-82591330

Fax: (86)755-82591332

Internet: Http://www.LCS-cert.com

Report No.: LCS1605191741R

TEST REPORT

Client company

:

Client address

:

Report on the submitted samples said to be:

Sample Name

:

Smart Watch

Trade Mark

:

N/A

Style/ Item No.

:

DW-007Fit+, DW-009Fit+, DW-010Fit+, DW-011Fit+, DW-012Fit+, DW-013Fit+

Sample Receiving Date

:

June 07, 2016

Testing Period

:

June 07, 2016 ~ June 16, 2016

Results

:

Please refer to next page(s).

Summary of Test Results:

TEST REQUEST

CONCLUSION

A EU RoHS Directive 2011/65/EU and its amendment directives

PASS

Signed for and on behalf of LCS

Written By:

Lolo Yang

Lolo Yang
File administrators

Approved by:

Hart Qiu

Hart Qiu
Manager

Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 1/F., Xingyuan Industrial Park, Tongda Road, Bao'an Avenue, Bao'an District, Shenzhen, Guangdong, China

Tel: (86)755-82591330

Fax: (86)755-82591332

Internet: Http://www.LCS-cert.com

Report No.: LCS1605191741R

Results:

A. EU RoHS Directive 2011/65/EU and its amendment directives on XRF

Test method: With reference to IEC 62321 Ed 1.0:2013, Screening by X-ray Fluorescence Spectroscopy (XRF)

Seq. No.	Tested Part(s)	Results				
		Pb	Cd	Hg	Cr	Br
A	Smart Watch					
1	Silvery metal	BL	BL	BL	BL	BL
2	Black plastic shell	BL	BL	BL	BL	BL
3	Black plastic on display	BL	BL	BL	BL	BL
4	Black plastic line	BL	BL	BL	BL	BL
5	Red plastic line	BL	BL	BL	BL	BL
6	Silvery metal line	BL	BL	BL	BL	BL
7	Blue plastic	BL	BL	BL	BL	BL
8	White plastic	BL	BL	BL	BL	BL
9	Black plastic	BL	BL	BL	BL	BL
10	Glass(Display)	BL	BL	BL	BL	BL
11	Base band(Display)	BL	BL	BL	BL	BL
12	Transparent plastic(Display)	BL	BL	BL	BL	BL
13	IC	BL	BL	BL	BL	BL
14	IC	BL	BL	BL	BL	BL
15	Crystal oscillator	BL	BL	BL	BL	BL
16	Triode	BL	BL	BL	BL	BL
17	Diode	BL	BL	BL	BL	BL
18	LED	BL	BL	BL	BL	BL
19	Chips of capacitance	BL	BL	BL	BL	BL
20	Chips of resistance	BL	BL	BL	BL	BL
21	Blue PCB	BL	BL	BL	BL	BL
22	Solder	BL	BL	BL	BL	BL
23	Battery	BL	BL	BL	BL	BL

Note:

- i Results were obtained by XRF for primary screening, and further chemical testing by ICP (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC-MS (for PBBs, PBDEs) are recommended to be performed, if the concentration exceeds the below warning value according to IEC 62321 Ed 1.0:2013.

Element	Unit	Non-metal	Metal	Composite Material
Cd	mg/kg	$BL \leq 70 - 3\sigma < X < 130 + 3\sigma \leq OL$	$BL \leq 70 - 3\sigma < X < 130 + 3\sigma \leq OL$	$BL \leq 50 - 3\sigma < X < 150 + 3\sigma \leq OL$
Pb	mg/kg	$BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$	$BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$	$BL \leq 500 - 3\sigma < X < 1500 + 3\sigma \leq OL$
Hg	mg/kg	$BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$	$BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$	$BL \leq 500 - 3\sigma < X < 1500 + 3\sigma \leq OL$
Cr	mg/kg	$BL \leq 700 - 3\sigma < X$	$BL \leq 700 - 3\sigma < X$	$BL \leq 500 - 3\sigma < X$
Br	mg/kg	$BL \leq 300 - 3\sigma < X$	--	$BL \leq 250 - 3\sigma < X$

Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 1/F., Xingyuan Industrial Park, Tongda Road, Bao'an Avenue, Bao'an District, Shenzhen, Guangdong, China

Tel: (86)755-82591330

Fax: (86)755-82591332

Internet: [Http://www.LCS-cert.com](http://www.LCS-cert.com)

Report No.: LCS1605191741R

Note:

BL = Below Limit

OL = Over Limit

X = Inconclusive

- ii The XRF screening test for RoHS elements – The reading may be different to the actual content in the sample be of non-uniformity composition.
- iii The maximum permissible limit is quoted from the document 2005/618/EC amending RoHS directive 2011/65/EU:

RoHS Restricted Substances	Maximum Concentration Value (mg/kg) (by weight in homogenous materials)
Cadmium (Cd)	100
Lead (Pb)	1000
Mercury (Hg)	1000
Hexavalent Chromium (Cr(VI))	1000
Polybrominated biphenyls (PBBs)	1000
Polybrominated diphenylethers (PBDEs)	1000

Disclaimers:

This XRF Screening report is for reference purposes only. The applicant shall make its/his/her own judgment as to whether the information provided in this XRF screening report is sufficient for its/his/her purposes.

The result shown in this XRF screening report will differ based on various factors, including but not limited to, the sample size, thickness, area, surface flatness, equipment parameters and matrix effect (e.g. plastic, rubber, metal, glass, ceramic etc.). Further wet chemical pre-treatment with relevant chemical equipment analysis are required to obtain quantitative data.

Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 1/F., Xingyuan Industrial Park, Tongda Road, Bao'an Avenue, Bao'an District, Shenzhen, Guangdong, China

Tel: (86)755-82591330

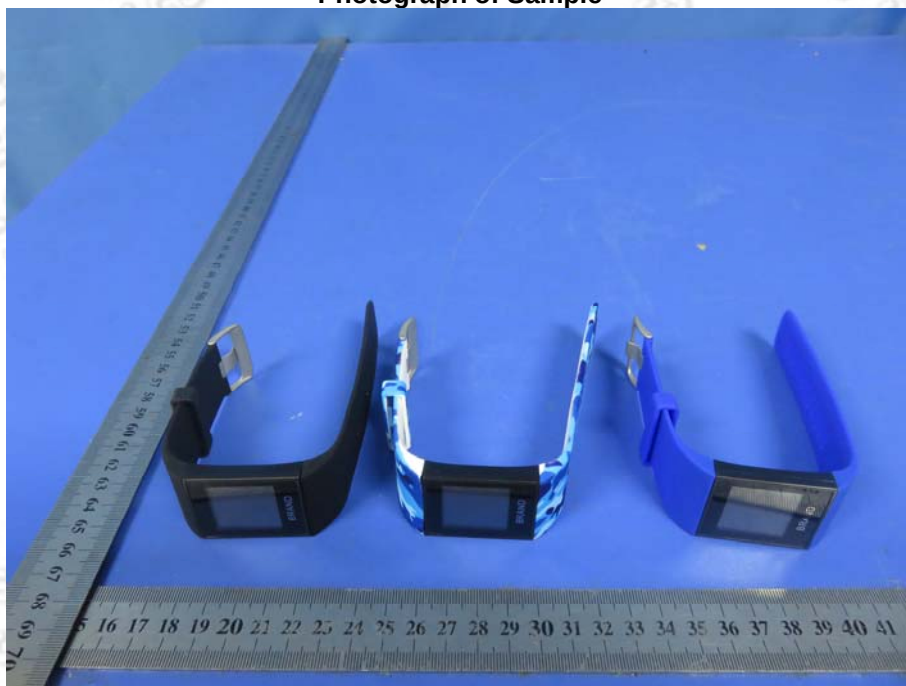
Fax: (86)755-82591332

Internet: [Http://www.LCS-cert.com](http://www.LCS-cert.com)

Report No.: LCS1605191741R

Appendix

Photograph of Sample



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 1/F., Xingyuan Industrial Park, Tongda Road, Bao'an Avenue, Bao'an District, Shenzhen, Guangdong, China

Tel: (86)755-82591330

Fax: (86)755-82591332

Internet: [Http://www.LCS-cert.com](http://www.LCS-cert.com)

Report No.: LCS1605191741R



Shenzhen LCS Compliance Testing Laboratory Ltd.

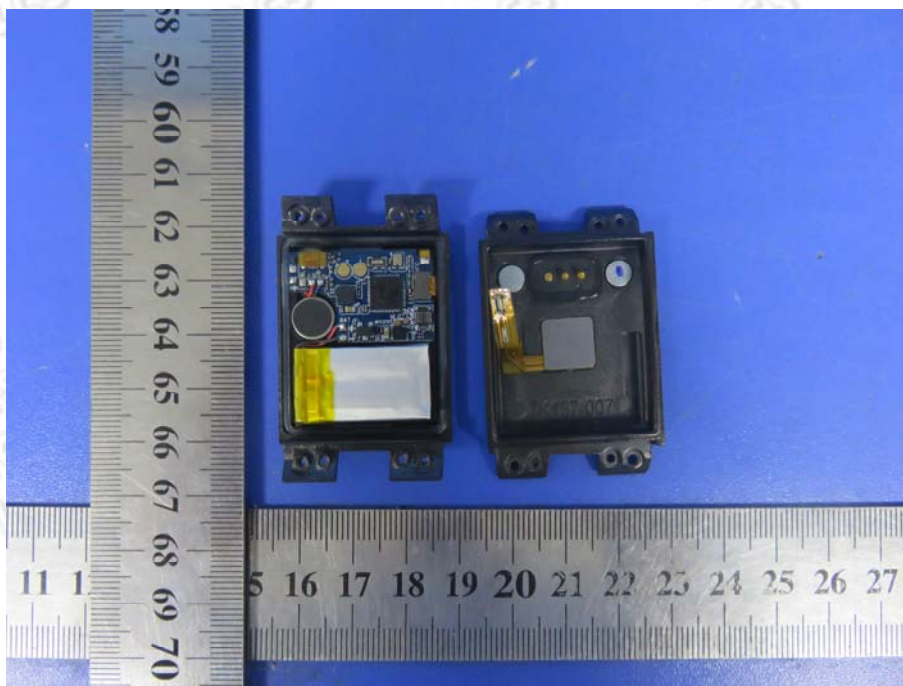
Add: 1/F., Xingyuan Industrial Park, Tongda Road, Bao'an Avenue, Bao'an District, Shenzhen, Guangdong, China

Tel: (86)755-82591330

Fax: (86)755-82591332

Internet: [Http://www.LCS-cert.com](http://www.LCS-cert.com)

Report No.: LCS1605191741R



LCS authenticate the photo on original report only

***** End of Report *****