

# Verification of Conformity

Certificate No.:	CISCC241030090V0
Applicant:	Shenzhen Youwei Zhijie Technology Co., Ltd.
Address:	613, Building 1, No. 2 Huanzhen Road, Ma An shan Community, Shajing Street, Bao'an District, Shenzhen
Product Name:	Smart Ring
Model/Type reference:	VR11
Series model:	Vring,V1,V2,V3, V4 ,V5
Issue date:	November 4, 2024

In accordance with the following applicable Directives:

**EU RoHS Directive 2011/65/EU Appendix II and amendment Directive (EU) 2015/863**

The equipment, as described herewith, was tested pursuant to applicable test procedure and complies with the requirements of:

Applied Standards	Test Report No.	Result
IEC 62321-3-1:2013, IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-6:2015, IEC 62321-7-1:2015&IEC 62321-7-2:2017, IEC 62321-8:2017	CISCR241030090	Conform

The test results are traceable to the international or national standards.  
The test results are only applicable to the test samples submitted.

**Laboratory:** Shenzhen BangCe Testing Technology Co., Ltd.

Add.: 101, Building 10, Yun Li Intelligent Park, Guang Ming District, Shenzhen, Guangdong Province China.

Tel:86-755-2319 6848, Web: <http://www.cis-cn.net/>



Approved By: Lucky bob

# TEST REPORT





**Applicant** : Shenzhen Youwei Zhijie Technology Co., Ltd.  
**Address** : 613, Building 1, No. 2 Huanzhen Road, Ma An shan Community,  
Shajing Street, Bao'an District, Shenzhen  
**Manufacturer** : Shenzhen Youwei Zhijie Technology Co., Ltd.  
**Address** : 613, Building 1, No. 2 Huanzhen Road, Ma An shan Community,  
Shajing Street, Bao'an District, Shenzhen  
**Testing Laboratory** : Shenzhen BangCe Testing Technology Co., Ltd.  
**Address** : 101, Building 10, Yunli Intelligent Park, Guangming District,  
Shenzhen, Guangdong Province  
**Product Name** : Smart Ring  
**Tested Model** : VR11  
**Series Model** : Vring,V1,V2,V3, V4 ,V5  
**Date of Sample Received** : October 30, 2024  
**Model differences:** : The series model is the same product,with only different  
model names used to distinguish different sales channels.  
**Testing Periods** : October 30, 2024 to November 4, 2024  
**Testing Method** : Please refer to next page(s).  
**Testing Result** : Please refer to next page(s).

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## Result Summary:

Test Requested	Conclusion
European Directive 2011/65/EU and amendment (EU) 2015/863 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.	<b>PASS</b>

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Tested By: 		Check By: 	 Shenzhen BangCe Testing Technology Co., Ltd.  Date of Issue: November 4, 2024
Approve By: 			
Remarks:	/		

# TEST REPORT

## Testing Method:

### A. Screening test by XRF spectroscopy

XRF screening limits for regulated elements according to IEC 62321-3-1:2013

Element	Screening limit / mg/kg			
	Unit	Polymers	metals	Composite material
Pb	mg/kg	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Cd	mg/kg	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (70-3\sigma) < X < (70+3\sigma) \leq OL$	$LOD < X < (150+3\sigma) \leq OL$
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	$BL \leq (300-3\sigma) < X$ (non-metal only)	--	$BL \leq (250-3\sigma) < X$

### B. Chemical Test

Test Item(s)	Testing Method	Analysis Equipment(s)	MDL	Limit
Lead (Pb)	IEC 62321-5:2013	ICP-OES	10mg/kg	1000mg/kg
Cadmium (Cd)	IEC 62321-5:2013	ICP-OES	10mg/kg	100mg/kg
Mercury (Hg)	IEC 62321-4:2013+AMD1:2017	ICP-OES	10mg/kg	1000mg/kg
Hexavalent Chromium Cr (VI)	IEC 62321-7-1:2015& IEC 62321-7-2:2017	UV-VIS	10mg/kg	1000mg/kg
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS	10mg/kg	1000mg/kg
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS	10mg/kg	1000mg/kg
Dibutyl Phthalate	IEC 62321-8:2017	GC-MS	30mg/kg	1000mg/kg
Benzylbutyl Phthalate	IEC 62321-8:2017	GC-MS	30mg/kg	1000mg/kg
Bis-(2-ethylhexyl) Phthalate	IEC 62321-8:2017	GC-MS	30mg/kg	1000mg/kg
Diisobutyl phthalate	IEC 62321-8:2017	GC-MS	30mg/kg	1000mg/kg

## Tested material list:

# TEST REPORT

No	Description	The photo of the sample
1	Transparent plastic	
2	Black metal	
3	Sliver metal	
4	FPC	
5	Black plastic	
6	IC	
7	Chip capacitor	

**Note: test samples were specified by applicant.**

# TEST REPORT

## Tested Results:

No.	XRF Screening Result					Chemical confirm Result(mg/kg)	Remark	Conclusion
	Pb	Cd	Hg	Cr	Br			
1	BL	BL	BL	BL	BL	--	--	Pass
2	BL	BL	BL	BL	N.A	--	--	Pass
3	BL	BL	BL	BL	N.A	--	--	Pass
4	BL	BL	BL	BL	X	PBB&PBDE:N.D	--	Pass
5	BL	BL	BL	BL	BL	--	--	Pass
6	BL	BL	BL	BL	BL	--	--	Pass
7	BL	BL	BL	BL	BL	--	--	Pass
8	BL	BL	BL	BL	BL	--	--	Pass
9	BL	BL	BL	BL	BL	--	--	Pass
10	BL	BL	BL	BL	BL	--	--	Pass

**Note: test samples were specified by applicant.**



# TEST REPORT

Test Item(s)	Dibutyl Phthalate(DBP) (mg/kg)	Benzylbutyl Phthalate(BBP) (mg/kg)	Bis-(2-ethylhexyl) Phthalate(DEHP) (mg/kg)	Diisobutyl phthalate(DIBP) (mg/kg)	Conclusion
CAS No.	84-74-2	85-68-7	117-81-7	84-69-5	
Limit	1000	1000	1000	1000	
No.	Result (mg/kg)				
1+5	N.D	N.D	N.D	N.D	Pass

Remark:

1. BL = below the limit; MDL =Method Detection Limit
2. OL = over the limit;LOD=Limit of Quantization,The LOQ of Hexavalent chromium is 0.1  $\mu$  g/cm<sup>2</sup>
3. X = inconclusive, chemical confirm test is needed
4. N.A = not applicable
5. mg/kg = milligram per kilogram = ppm
6. N.D = not detected
7. Negative =The Cr<sup>6+</sup> concentration is below the limit of quantification. The coating is considered a non- Cr<sup>6+</sup> based coating.
8. Positive =The Cr<sup>6+</sup> concentration is above the limit of quantification and the statistical margin

Of error, the sample coating is considered to contain Cr<sup>6+</sup>.

9.Positive = The limit for composite test should be divided by the mixed number.

10.When perform screening tests, it is 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 Cr<sup>6+</sup>.

11.Pb, Cd, Hg, Cr and Br result are obtained by EDXRF for primary screening, and further chemical testing by ICP-OES(for Cd, Pb, Hg),UV-VIS(for Cr<sup>6+</sup>) and GC-MS(for PBBs, PBDEs)is needed to be performed, if the concentration falls into the inconclusive area according to IEC 62321-3-1:2013.

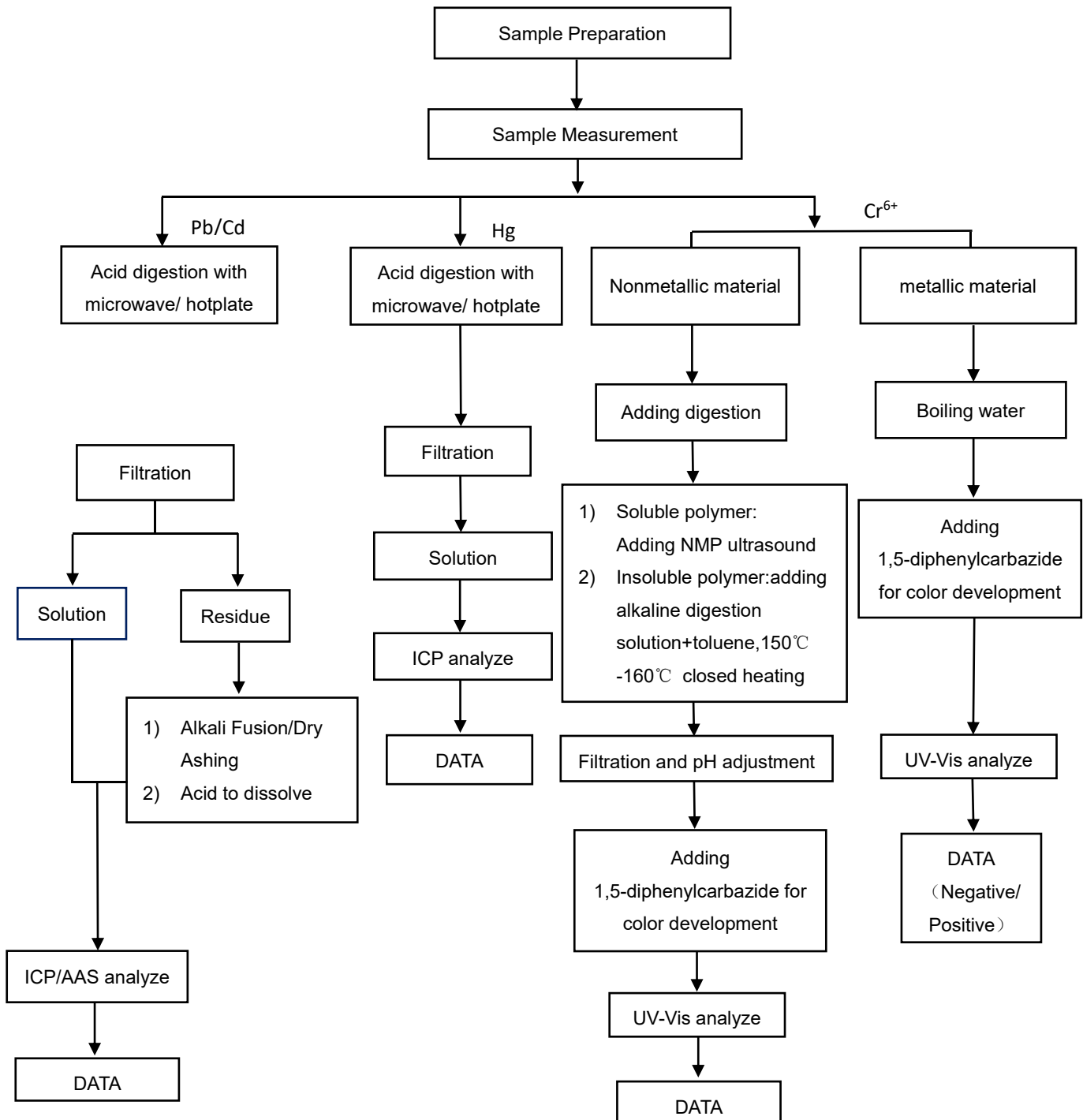
# TEST REPORT

12. For the XRF screening test for RoHS element, the reading may be different to the actual content in the sample be of non-uniformity composition.

# TEST REPORT

## Appendix

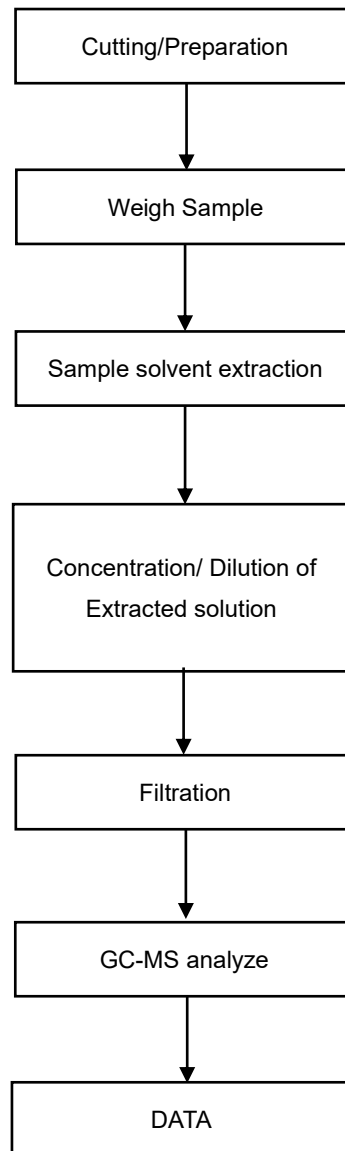
### Pb/Cd/Hg/Cr6+ Testing Flow Chart





# TEST REPORT

## PBBs/PBDEs Testing Flow Chart



# TEST REPORT

## Photo Documentation



**Overall Appearance Photo**



**Appearance Photo**



**Appearance Photo**

**authenticate the photo on original report only**

Certification  
Issued Under the Authority of the  
Federal Communications Commission  
By:

KL-Certification GmbH  
Heinrich-Hertz-Allee 7  
St. Ingbert, 66386  
Germany

Date of Grant: 12/31/2024  
Application Dated: 12/31/2024

Shenzhen Xiangmi Technology Co., Ltd.  
613, Building 1, No. 2 Huanzhen Road,  
Ma'angshan Community, Shajing Street  
Bao'an District, Shenzhen,  
China

Attention: Xiaohui Yi

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is  
VALID ONLY for the equipment identified hereon for use under the Commission's  
Rules and Regulations listed below.

FCC IDENTIFIER: 2BMM7-VR11  
Name of Grantee: Shenzhen Xiangmi Technology Co., Ltd.  
Equipment Class: Digital Transmission System  
Notes: Smart Ring

<u>Grant Notes</u>	<u>FCC Rule Parts</u>	<u>Frequency Range (MHZ)</u>	<u>Output Watts</u>	<u>Frequency Tolerance</u>	<u>Emission Designator</u>
	15C	2402.0 - 2480.0	0.0028		

Power listed is maximum peak conducted output power. This filing meets the SAR  
threshold exclusion set forth in KDB 447498 and therefore can be used in mobile/portable  
configurations. The antenna used for this transmitter must not transmit simultaneously with  
any other antenna or transmitter, except in accordance with FCC multi-transmitter product  
procedures. Users and installers must be provided with antenna installation instructions  
and transmitter operating conditions for satisfying RF exposure compliance.

