TECHNICAL REPORT

Report No.:	RoHS1807096
File reference No.:	2018-07-18
Applicant:	
Product:	Wireless charger
Model No.:	W2F
Brand Name:	N/A
Test Conclusions:	Based on the verification results of the submitted samples, the test results comply with the limits as set by RoHS Directive 2011/65/EU Annex II.

Approved By

Jack Chung

Manager

Dated: 2018-07-18

Test Conclusions appearing herein relate only to the sample tested
The technical reports is issued errors and omissions exempt and is subject to withdrawal at

SHENZHEN TIMEWAY TESTING LABORATORIES

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1 General Details

1.1 Test Lab Details

Name: SHENZHEN TIMEWAY TESTING LABORATORIES

Address: Room 512-519, 5/F., East Tower, Building 4, Anhua Industrial Zone, Futian District, Shenzhen, Guangdong, China

Tel: (+86 755)8344 8688

Fax: (+86 755)8344 2996

1.2 Applicant Details

Applicant:

Address:

Tel:

Fax: --

1.3 Description of EUT

Product: Wireless charger

Manufacturer:

Address:

Basic Model: W2F

Additional Model: N/A

Brand Name: N/A

1.4 Submitted Sample

1 samples

1.5 Test Time

2018-07-13 to 2018-07-18

1.6 Test Engineer

The sample tested by

Print Name: David Guo

1.7 Verify Engineer

The report verified by

Print Name: Jack Chung

1.8 Possible test case verdicts

1. N.D.= NOT DETECTED (<2ppm)
2. ppm = PART PER MILLION
3. ppm = mg/kg
4. "-" = Not Regulated

1.9 General remark

The test conclusions presented in this report relate only to the object tested.

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The difference between models: The proportions and contents for the material are same.

2. Test Requested and Conclusion

Test according to RoHS (Restriction of Hazardous Substances) directive 2011/65/EU on submitted samples

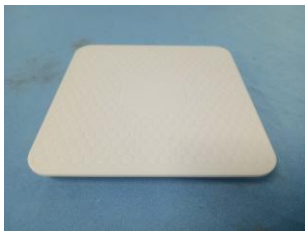
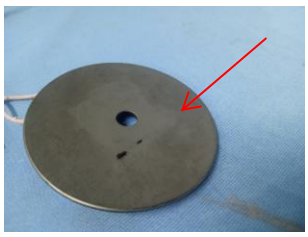
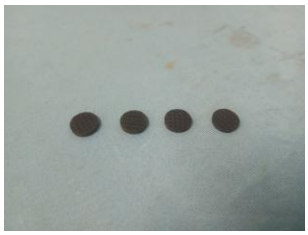
--- Heavy Metal (Pb, Cd, Hg and CrVI) Content **PASS**

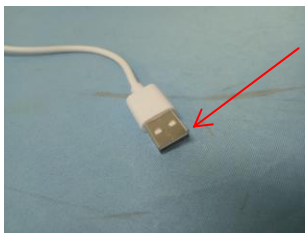
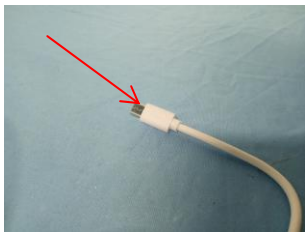
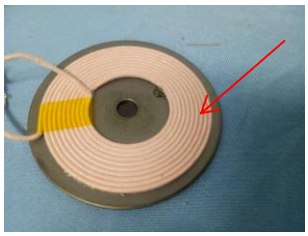
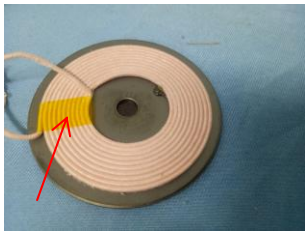
--- Polybrominated Biphenyls (PBBs) and
Polybrominated Diphenyl Ethers (PBDEs) Content **PASS**

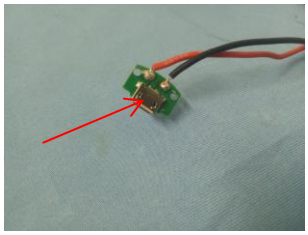
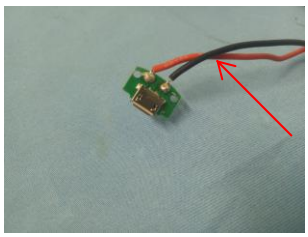
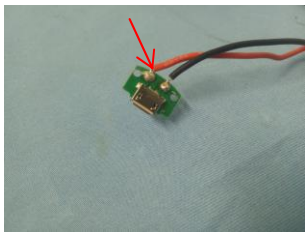
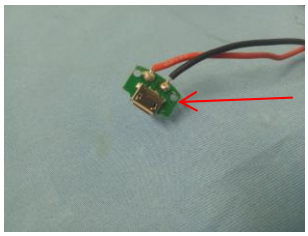
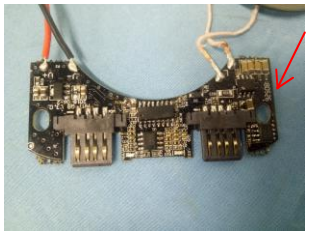
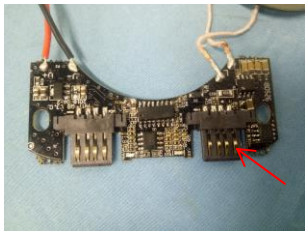
--- Phthalates (DEHP, BBP, DBP and DIBP) Content **PASS**

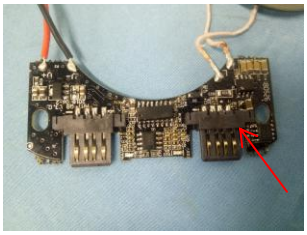
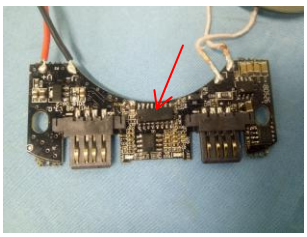
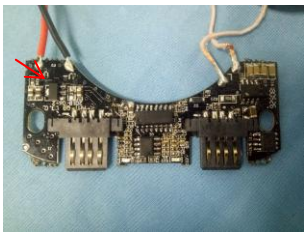
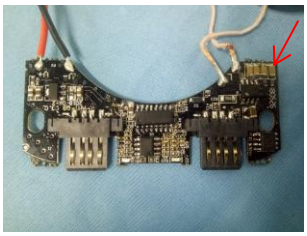
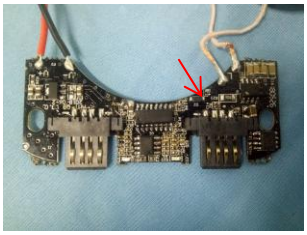
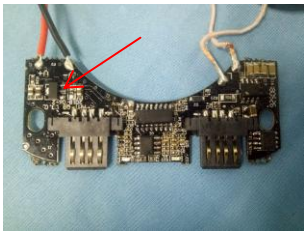
3. Test Result: Refer to the following page(s)

4. Tested subject Description

Sample Number	Item Name	Tested Material Description	Photo
001	Enclosure	Silvery metal	
002	Enclosure	White plastic	
003	Enclosure	White plastic	
004	Spongy cushion	Black material	
005	Filler piece	Black material	
006	Rubber mat	Black plastic	

Sample Number	Item Name	Tested Material Description	Photo
007	Power cord	PVC white material	
008	USB Plug-conductor	Silvery metal	
009	Plug-conductor	Silvery metal	
010	Power cord	White material	
011	Tape	Yellow plastic	
012	Screw	Silvery metal	

Sample Number	Item Name	Tested Material Description	Photo
013	Conductor	Silvery metal	
014	Power cord	PVC material	
015	Power cord	Copper line	
016	PCB	Green material	
017	PCB	Black material	
018	Copper sheet	Yellow metal	

Sample Number	Item Name	Tested Material Description	Photo
019	Connection	Black metal	
020	IC	Black material	
021	SMD resistor	Black material	
022	SMD capacitor	Green material	
023	Diode	Black material	
024	Audion	Black material	

5. TEST RESULTS

Test method: With reference to EN 62321-1:2013, EN 62321-2:2014, EN 62321-3-1:2014 and EN 62321-8:2017. For Heavy Metals and Flame Retardarts, analyzed by Energy Dispersive X-ray Fluorescence Spectrometers (XRF); for phthalates, analyzed by Gas Chromatography and Mass Spectrometry (GC-MS).

Sample No.	Total Cadmium	Total Chromium	Total Mercury	Total Lead	Total Bromine	Total Phthalates			
						DEHP	BBP	DBP	DIBP
001	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
002	BL	BL	BL	BL	BL	BL	BL	BL	BL
003	BL	BL	BL	BL	BL	BL	BL	BL	BL
004	BL	BL	BL	BL	BL	BL	BL	BL	BL
004	BL	BL	BL	BL	BL	BL	BL	BL	BL
005	BL	BL	BL	BL	BL	BL	BL	BL	BL
006	BL	BL	BL	BL	BL	BL	BL	BL	BL
007	BL	BL	BL	BL	BL	BL	BL	BL	BL
008	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
009	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
010	BL	BL	BL	BL	BL	BL	BL	BL	BL
011	BL	BL	BL	BL	BL	BL	BL	BL	BL
012	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
013	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
014	BL	BL	BL	BL	BL	BL	BL	BL	BL
015	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
016	BL	BL	BL	BL	BL	BL	BL	BL	BL
017	BL	BL	BL	BL	BL	BL	BL	BL	BL
018	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
019	BL	BL	BL	BL	BL	BL	BL	BL	BL
020	BL	BL	BL	BL	BL	BL	BL	BL	BL
021	BL	BL	BL	BL	BL	BL	BL	BL	BL
022	BL	BL	BL	BL	BL	BL	BL	BL	BL
023	BL	BL	BL	BL	BL	BL	BL	BL	BL
024	BL	BL	BL	BL	BL	BL	BL	BL	BL

Note:

- "BL" denotes below limit
- "OL" denotes over limit
- "N.A." denotes not applicable

— **XRF screening limits in mg/kg for regulated elements in various matrices**

ELEMENT	POLYMER		
	BL	INCONCLUSIVE	OL
Cd	X<(70-3σ)	(70-3σ)<X<(130+3σ)	X>(130+3σ)
Pb	X<(700-3σ)	(700-3σ)<X<(1300+3σ)	X>(1300+3σ)
Hg	X<(700-3σ)	(700-3σ)<X<(1300+3σ)	X>(1300+3σ)
Br	X<(300-3σ)	X>(300-3σ)	N.A.
Cr	X<(700-3σ)	X>(700-3σ)	N.A.

ELEMENT	METAL		
	BL	INCONCLUSIVE	OL
Cd	X<(70-3σ)	(70-3σ)<X<(130+3σ)	X>(130+3σ)
Pb	X<(700-3σ)	(700-3σ)<X<(1300+3σ)	X>(1300+3σ)
Hg	X<(700-3σ)	(700-3σ)<X<(1300+3σ)	X>(1300+3σ)
Cr	X<(700-3σ)	X>(700-3σ)	N.A.

ELEMENT	COMPLEX MATERIAL		
	BL	INCONCLUSIVE	OL
Cd	X<(50-3σ)	(50-3σ)<X<(150+3σ)	X>(150+3σ)
Pb	X<(500-3σ)	(500-3σ)<X<(1500+3σ)	X>(1500+3σ)
Hg	X<(500-3σ)	(500-3σ)<X<(1500+3σ)	X>(1500+3σ)
Br	X<(250-3σ)	X>(250-3σ)	N.A.
Cr	X<(500-3σ)	X>(500-3σ)	N.A.

- Screening limits in mg/kg for regulated phthalates in various matrices

PHTHALATES	BL	INCONCLUSIVE
DEHP	X<600	X≥ 600
BBP	X<600	X≥ 600
DBP	X<600	X≥ 600
DIBP	X<600	X≥ 600

6. APPENDIX: Photos of the product

View 1

View 2

View 3

View 4

View 5

View 6

View 7

-End of the report-