



Certificate of Compliance

Certificate No. : OXI210422191721EC

Applicant : FUJIAN ANQIYOU ELECTRONIC TECHNOLOGY CO.,LTD.
Xiaowei Shuangchuang Base, Chengnan Industrial Park, Longjin, Qingliu,
Sanming, Fujian

Manufacturer : FUJIAN ANQIYOU ELECTRONIC TECHNOLOGY CO.,LTD.
Xiaowei Shuangchuang Base, Chengnan Industrial Park, Longjin, Qingliu,
Sanming, Fujian

Product Name : BICYCLE TAILLIGHTS
Trade Name : NQY

Main Test Model : 0118A9
Additional Model : AQY0117, AQY0117-1, AQY0116, AQY0115, AQY0113, AQY0113-1,
AQY0113-2

Test Standard : EN IEC 55015:2019+A11:2020,
EN 61547:2009

**As shown in the
Test Report No.** : OXI210422191721ER

The tests that base on the above designated product Complies with the essential requirements of Directive 2014/30/EU relating to Electrical Equipment designed for use within Electromagnetic Compatibility.
The test results apply only to the particular sample tested and to the specific tests carried out. Specifically to the sample investigated in our test reference number only.
The CE markings as shown below can be affixed on the product after preparation of necessary technical documentation.
Other relevant Directives have to be observed.



Ningbo OXI Technology Co.,Ltd.

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EMC TEST REPORT

Test report

On Behalf of

FUJIAN ANQIYOU ELECTRONIC TECHNOLOGY CO.,LTD.

For

BICYCLE TAILLIGHTS

Model No.: 0118A9

Serial Model: AQY0117, AQY0117-1, AQY0116, AQY0115,
AQY0113, AQY0113-1, AQY0113-2

Prepared for

FUJIAN ANQIYOU ELECTRONIC TECHNOLOGY CO.,LTD.

Xiaowei Shuangchuang Base, Chengnan Industrial Park, Longjin, Qingliu, Sanming, Fujian

Prepared by

Ningbo OXI Technology Co.,Ltd.

Building No.1377, Jianlan Road, Gaoxin District, Ningbo, Zhejiang, China



TEST RESULT CERTIFICATION

Applicant's nameFUJIAN ANQIYOU ELECTRONIC TECHNOLOGY CO.,LTD.

Address..... Xiaowei Shuangchuang Base, Chengnan Industrial Park, Longjin,
Qingliu, Sanming, Fujian

Manufacture's NameFUJIAN ANQIYOU ELECTRONIC TECHNOLOGY CO.,LTD.

Address..... Xiaowei Shuangchuang Base, Chengnan Industrial Park, Longjin,
Qingliu, Sanming, Fujian

Product description

Product nameBICYCLE TAILLIGHTS

Trade MarkNQY

Model and/or

type reference 0118A9, AQY0117, AQY0117-1, AQY0116, AQY0115, AQY0113,
AQY0113-1, AQY0113-2

StandardsEN IEC 55015:2019+A11:2020
EN 61547:2009

This device described above has been tested by Ningbo OXI Technology Co.,Ltd., and the test results show that the equipment under test (EUT) is compliance with the 2014/30/EU directive and its amendment requirements. And it is applicable only to the tested sample identified in the report.

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Date of Test

Date (s) of performance of tests Apr.01, 2021 ~ Apr.08, 2021

Date of Issue Apr. 08, 2021

Test Result Pass

Producer : Amy Yang ,
Amy Yang/ Engineer

Date : Apr. 08, 2021

Signatory : Sherwin Qian ,
Sherwin Qian/ Director



Date : Apr. 08, 2021



TABLE OF CONTENTS

1. DESCRIPTION OF VERSION	4
2. SUMMARY OF STANDARDS AND RESULTS.....	5
3. GENERAL INFORMATION.....	6
4. TEST EQUIPMENT USED	8
5. DISTURBANCE VOLTAGE	10
6. RADIATED ELECTROMAGNETIC DISTURBANCES (9KHZ TO 30MHZ).....	11
7. RADIATED ELECTROMAGNETIC DISTURBANCES (30MHZ TO 300MHZ)	12
8. ELECTROSTATIC DISCHARGE.....	15
9. RADIO-FREQUENCY ELECTROMAGNETIC FIELDS	18
10. PHOTOGRAPHS OF EUT	20



1. DESCRIPTION OF VERSION

Edition No.	Date of Revision	Revision Summary	Report Number
0	Apr. 08, 2021	Original Report	OXI210422191721ER

2. SUMMARY OF STANDARDS AND RESULTS

EN IEC 55015		
Clause	Requirement – Test case	Results
4.2	Insertion loss	N/A
4.3.1	Disturbance voltage at mains terminals “*”	N/A
4.3.2	Disturbance voltage at load terminals	N/A
4.3.3	Disturbance voltage at control terminals	N/A
4.4.1	Radiated electromagnetic disturbances (9 kHz to 30 MHz) “*”	P
4.4.2	Radiated electromagnetic disturbances (30 MHz to 300 MHz) “*”	P
Annex B	Independent method of measurement of radiated emission (CDNE)	N/A
EN IEC 61000-3-2		
Clause	Requirement – Test case	Results
6.1	Control principle shall be allowed for the application according to the clause 6.1	N/A
6.2	Harmonic current emissions “*”	N/A
EN 61000-3-3		
Clause	Requirement – Test case	Results
4	Voltage changes, voltage fluctuations and flicker “*”	N/A
EN 61547		
Clause	Requirement – Test case	Results
5.2	Electrostatic discharge	P
5.3	Radio-frequency electromagnetic fields	P
5.4	Power frequency magnetic fields	N/A
5.5	Fast transients	N/A
5.6	Injected currents (radio-frequency common mode)	N/A
5.7	Surges	N/A
5.8	Voltage dips and short interruptions	N/A
Supplementary information: --		

Possible test case verdicts:

- test case does not apply to the test object: N/A
- test object does meet the requirement: P(Pass)
- test object does not meet the requirement: F(Fail)

Remark: “*” The test was carried out in all the test modes, only the worst data are list in report.

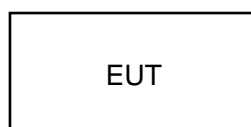
3. GENERAL INFORMATION

3.1. Description of EUT

Equipment	BICYCLE TAILLIGHTS
Trade Mark	NQY
Model Name	0118A9, AQY0117, AQY0117-1, AQY0116, AQY0115, AQY0113, AQY0113-1, AQY0113-2
Serial No.	Not labeled
Model Difference	All model's the function, software and electric circuit are the same, only with a product color and model named different. Test sample model: 0118A9.
Lamp technology used	<input type="checkbox"/> Fluorescent lamp <input type="checkbox"/> High pressure discharge lamp (HID) <input checked="" type="checkbox"/> Light emitting diode (LED/OLED) <input type="checkbox"/> Tungsten halogen lamp <input type="checkbox"/> Incandescent lamp <input type="checkbox"/> Others:

Note: For more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

3.2. Block diagram of EUT configuration



3.3. Operating condition of EUT

Test mode	Description
1	ON

3.4. Test conditions

Temperature: 15-25°C

Relative Humidity: 30-60 %

Atmospheric pressure: 800hPa-1060hPa

3.5. Performance criterion

Performance criterion A

The equipment shall continue to operate as intended without operator intervention. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.

Performance criterion B

After the test, the equipment shall continue to operate as intended without operator intervention. No degradation of performance or loss of function is allowed, after the application of the phenomena below a performance level specified by the manufacturer, when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance. During the test, degradation of performance is allowed. However, no change of operating state or stored data is allowed to persist after the test. If the minimum performance level (or the permissible performance loss) is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.

Performance criterion C

Loss of function is allowed, provided the function is self-recoverable, or can be restored by the operation of the controls by the user in accordance with the manufacturer's instructions.

Functions, and/or information stored in non-volatile memory, or protected by a battery backup, shall not be lost.

3.6. Measurement uncertainty

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

Test	Parameters	Expanded Uncertainty (U_{Lab})	Expanded Uncertainty (U_{Cispr})
Conducted Emission	Level Accuracy: 9kHz~150kHz 150kHz to 30MHz	± 3.42 dB ± 3.42 dB	± 4.0 dB ± 3.6 dB
Radiated Emission	Level Accuracy: 9kHz to 30 MHz	± 4.60 dB	N/A
Radiated Emission	Level Accuracy: 30MHz to 1000 MHz	± 4.40 dB	± 5.2 dB
Radiated Emission	Level Accuracy: Above 1000MHz	± 4.20 dB	N/A

4. Test equipment used

4.1. Conducted Emission Measurement

(Test software: EZ-EMC Ver. EMC-con3A1.1)

Item	Equipment	Manufacturer	Model No.	Serial No.	Calibrated until
1	AMN	ROHDE&SCHWARZ	ESH3-Z5	831551852	2020.10.30
2	Pulse limiter	ROHDE&SCHWARZ	ESH3Z2	357881052	2020.10.30
3	EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCS30	834115/006	2020.11.01
4	Coaxial cable	ZDECL	Z302S	18091904	2020.10.30
5	AAN	TESEQ	T8-Cat6	38888	2020.10.30

4.2. Radiated Emission Measurement

(Test software: EZ-EMC Ver. FA-03A2 RE)

Item	Equipment	Manufacturer	Model No.	Serial No.	Calibrated until
1	TRILOG Broadband Antenna	Schwarzbeck	VULB 9168	869	2020.11.02
2	Amplifier	HP	8447E	2945A02747	2020.11.01
3	2m Triple-Loop Antenna	Daze	ZN30401	17014	2020.10.30
4	EMI TEST RECEIVER	ROHDE&SCHWARZ	ESPI7	100362	2020.11.01
5	Coaxial cable	ZDECL	ZT26	18091906	2020.11.01
6	Coaxial cable	ZDECL	ZT26	18097604	2020.11.01
7	Coaxial cable	ZDECL	ZT26	18091908	2020.11.01
8	Coaxial cable	ZDECL	ZT26	18091907	2020.11.01

4.3. Harmonics and flicker

(Test software: TTI HA1600 Ver.3.01)

Item	Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Analyzer	Laplace instruments	AC2000A	311363	2020.11.02
2	Power Source	HTEC Instruments	HPF5010	633088	2020.11.02

4.4. Electrostatic Discharge Test

Item	Equipment	Manufacturer	Model No.	Serial No.	Calibrated until
1	ESD Simulator	TESTQ	NSG437	329	2020.11.05

4.5. RF electromagnetic field Test

Item	Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Signal Generator	R&S	SMT 06	832080/007	2020.10.30
2	Log-Bicon Antenna	Schwarzbeck	VULB9161	4022	2020.10.30
3	Power Amplifier	AR	150W1000M1	320946	2020.10.30
4	Microwave Horn Antenna	AR	AT4002A	321467	2020.10.30
5	Power Amplifier	AR	25S1G4A	308598	2020.10.30

4.6. Surge& Electrical Fast Transient/Burst Immunity Test

Item	Equipment	Manufacturer	Model No.	Serial No.	Calibrated until
1	Surge& Burst Generator	Lioncel	LSG-545CB	180602	2020.10.30
2	Capacitive coupling clamp	Lioncel	EFTC	18071801	2020.10.30

4.7. Power-frequency magnetic fields Test

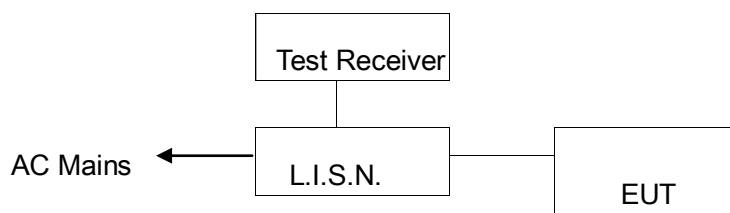
Item	Equipment	Manufacturer	Model No.	Serial No.	Calibrated until
1	Magnetic field generator	Lioncel	PMF-801C-C	180701	2020.10.30

4.8. Voltage dips and interruptions Test

Item	Equipment	Manufacturer	Model No.	Serial No.	Calibrated until
1	Voltage dip simulator	Lioncel	VDS-1102	180902	2020.10.30

5. Disturbance voltage

5.1. Block diagram of test setup



5.2. Limit of mains terminal disturbance voltage

Frequency range	Limits (dB μ V)	
	Quasi-peak Level	Average Level
9KHz ~ 50KHz	110	--
50KHz ~ 150KHz	90 ~ 80*	--
150KHz ~ 0.5MHz	66 ~ 56*	56 ~ 46*
0.5MHz ~ 5MHz	56	46
5.0MHz ~ 30MHz	60	50

Notes:

1. *Decreasing linearly with logarithm of frequency.
2. The lower limit shall apply at the transition frequencies.
3. For electrodeless lamps and luminaires, the limit in the frequency range of 2,51 MHz to 3,0 MHz is 73 dB(μ V) quasi-peak and 63 dB(μ V) average.

5.3. EUT configuration on test

The following equipments are installed on conducted emission test to meet EN IEC 55015 requirement and operating in a manner, which tends to maximize its emission characteristics in a normal application.

5.4. Operating condition of EUT

5.5.1. Setup the EUT and simulators as shown in Section 5.1.1.

5.5.2. Turn on the power of all equipments.

5.5.3. Let the EUT work in test modes and test it.

5.5. Test procedure

The EUT is put on the table which is 40 cm distance to vertical ground plane, 80 cm to ground plane and connected to the AC mains through a Line Impedance Stabilization Network (L.I.S.N.). This provided a 50ohm coupling impedance for the tested equipments. Both sides of AC line are checked to find out the maximum conducted emission according to the EN IEC 55015 regulations during conducted emission test. And the voltage probe had been used for the load terminals test according to the EN IEC 55015 standard.

The bandwidth of the test receiver (R&S ESCS30) is set at 10KHz in 150KHz~30MHz and 200Hz bandwidth in 9KHz~150KHz.

The frequency range from 9KHz to 30MHz is checked.

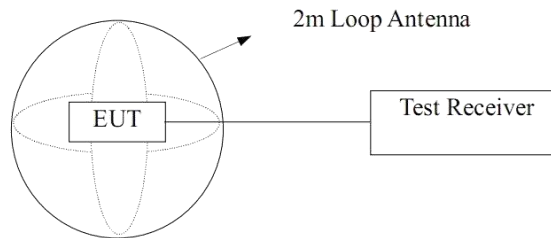
All the Test results are listed in Section 5.6.

5.6. Test results

N/A

6. Radiated electromagnetic disturbances (9KHz to 30MHz)

6.1. Block diagram of test setup



6.2. Limit of Radiated electromagnetic disturbances (9KHz to 30MHz)

F		Limits for loop diameter (dB μ A)
		2m
9KHz	~ 70KHz	88
70KHz	~ 150KHz	88 ~ 58*
150KHz	~ 3.0MHz	58 ~ 22*
3.0MHz	~ 30MHz	22

Notes:

1. At the transition frequency, the lower limit applies.
2. * decreasing linearly with logarithm of the frequency.
3. For electrodeless lamps and luminaires, the limit in the frequency range of 2.2MHz to 3.0MHz is 58 dB μ A.

6.3. EUT configuration on test

The configuration of the EUT is same as Section 3.4.

6.4. Operating condition of EUT

6.4.1. Setup the EUT as shown in Section 6.1.

6.4.2. Turn on the power of all equipments.

6.4.3. Let the EUT work in test mode (ON) and test it.

6.5. Test procedure

The EUT is placed on a wood table in the center of a loop antenna. The induced current in the loop antenna is measured by means of a current probe and the test receiver.

Three axes of X Y Z are tested by coaxial switch..

The frequency range from 9KHz to 30MHz is investigated. The receiver is measured with the quasi-peak detector. For frequency band 9KHz to 150KHz, the bandwidth of the field strength meter (R&S test receiver ESCS30) is set at 200Hz. For frequency band 150KHz to 30MHz, the bandwidth is set at 10KHz.

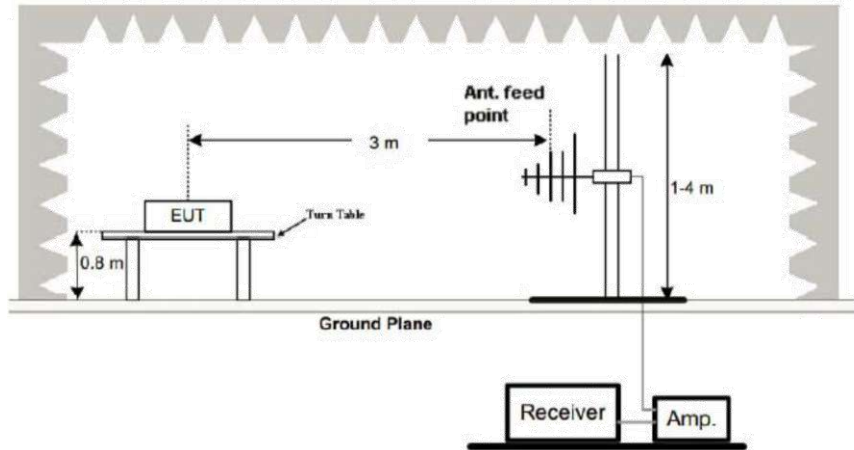
The peak value is too low against the limit, so the Test data is not record.

6.6. Test results

PASS

7. Radiated electromagnetic disturbances (30MHz to 300MHz)

7.1. Block diagram of test setup (in semi-Anechoic Chamber)



7.2. Limit of Radiated electromagnetic disturbances (30MHz to 300MHz)

All emanations from a devices or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified below:

Frequency (MHz)	Distance (Meters)	Field Strengths Limits (dB μ V/m)
30 ~ 230	3	40
230 ~ 300	3	47
Note: (1) The tighter limit shall apply at the edge between two frequency bands. (2) Distance refers to the distance in meters between the measuring instruments antenna and		

7.3. EUT configuration on test

The EN 55015 regulations test method must be used to find the maximum emission during radiated emission test.

7.4. Operating condition of EUT

7.4.1. Setup the EUT as shown on Section 7.1.

7.4.2. Turn on the power of all equipments.

7.4.3. Let the EUT work in test mode and measure it.

7.5. Test procedure

The EUT is placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna which is mounted on an antenna tower. The antenna can move up and down between 1 to 4 meters to find out the maximum

emission level. Broadband antennas (calibrated by dipole antenna) are used as a receiving antenna. Both horizontal and vertical polarizations of the antenna are set on test.

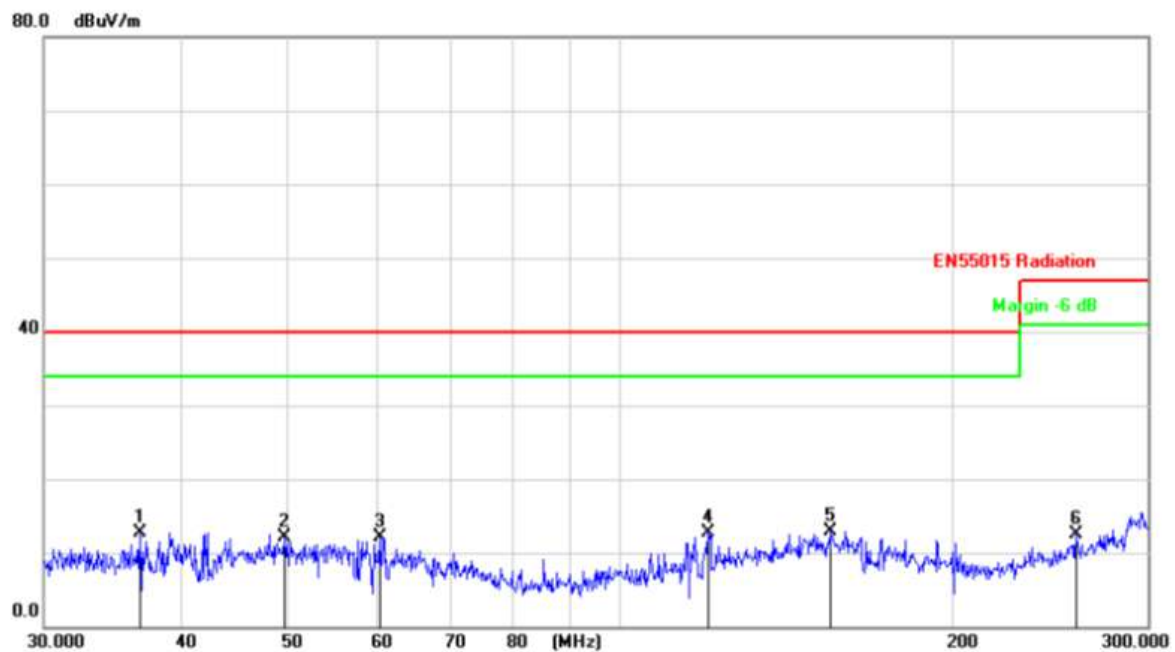
The bandwidth setting on the test receiver (R&S ESPI) is 120KHz.

The EUT was tested in Semi-Anechoic Chamber.

7.6. Test results

PASS.

Polarization: H

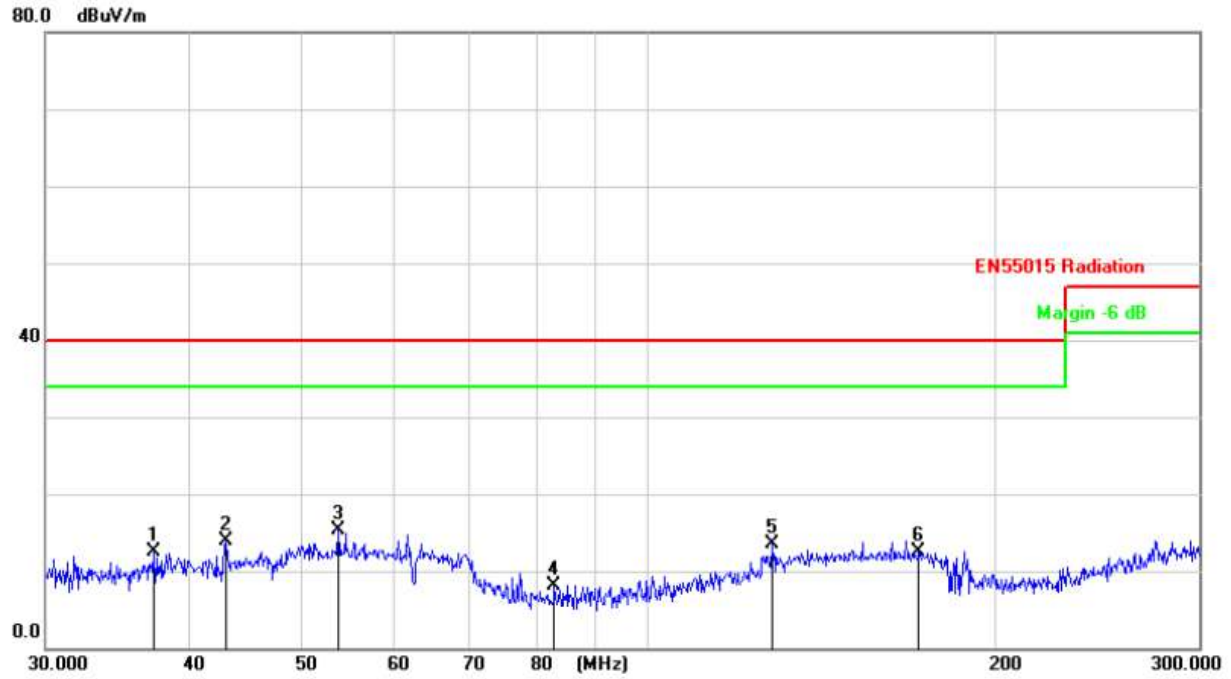


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB/m	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		36.6540	25.78	-12.99	12.79	40.00	-27.21	peak			
2		49.5589	24.67	-12.56	12.11	40.00	-27.89	peak			
3		60.4117	25.23	-13.20	12.03	40.00	-27.97	peak			
4		119.9834	26.95	-14.15	12.80	40.00	-27.20	peak			
5	*	154.9249	24.96	-12.06	12.90	40.00	-27.10	peak			
6		258.2979	25.76	-13.23	12.53	47.00	-34.47	peak			

Note: Result=Reading +Factor

Over Limit=Result-Limit

Polarization: V

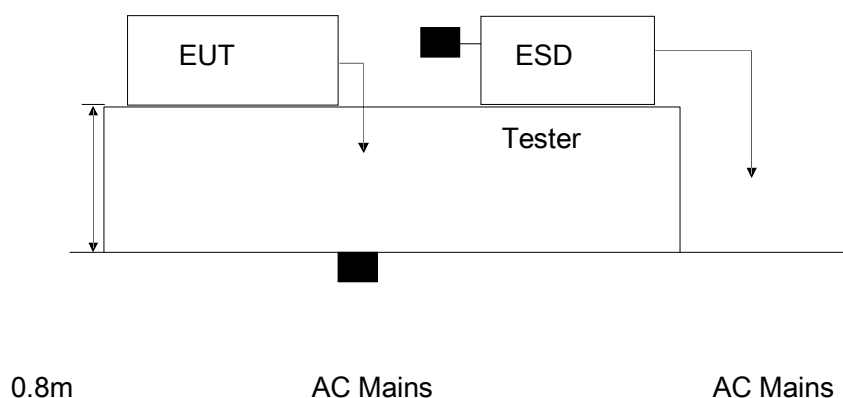


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	dBuV	dB	ment	dB/m	dB	Height	Degree	
					dBuV/m			cm	degree	Comment
1		37.2496	25.42	-12.89	12.53	40.00	-27.47	peak		
2		42.9656	26.50	-12.62	13.88	40.00	-26.12	peak		
3	*	53.8419	28.25	-12.85	15.40	40.00	-24.60	peak		
4		82.8173	25.08	-16.92	8.16	40.00	-31.84	peak		
5		127.9739	27.20	-13.61	13.59	40.00	-26.41	peak		
6		171.4436	25.02	-12.50	12.52	40.00	-27.48	peak		

Note: Result=Reading +Factor
Over Limit=Result-Limit

8. Electrostatic discharge

8.1. Block diagram of ESD test setup



Remark: is Discharge Electrode

8.2. Severity levels and performance criterion

8.2.1. Severity level

Characteristics	Test levels
Air discharge	± 8 kV
Contact discharge	± 4 kV

8.2.2. Performance criterion: B

8.3. EUT configuration on test

The configuration of EUT are listed in Section 3.4.

8.4. Operating condition of EUT

8.4.1. Setup the EUT as shown in Section 8.1.

8.4.2. Turn on the power of all equipments.

8.4.3. Let the EUT work in test mode (full load) and test it.

8.5. Test procedure

8.5.1. Air discharge:

This test is done on a non-conductive surface. The round discharge tip of the discharge electrode shall be approached as fast as possible to touch the EUT. After each discharge, the discharge electrode shall be removed from the EUT. The generator is then re-triggered for a new single discharge and repeated 10 times for each pre-selected test point. This procedure shall be repeated until all the air discharge completed.

8.5.2. Contact discharge:

All the procedure shall be same as Section 9.6.1. except that the tip of the discharge electrode shall touch the EUT before the discharge switch is operated.

8.5.3. Indirect discharge for horizontal coupling plane

At least 20 single discharges shall be applied to the horizontal coupling plane, at points on each side of the EUT. The discharge electrode positions vertically at a distance of 0.1m from the EUT and with the discharge electrode touching the coupling plane.

8.5.4. Indirect discharge for vertical coupling plane

At least 20 single discharge shall be applied to the center of one vertical edge of the coupling plane. The coupling plane, of dimensions 0.5m X 0.5m, is placed parallel to, and positioned at a distance of 0.1m from the EUT. Discharges shall be applied to the coupling plane, with this plane in sufficient different positions that the four faces of the EUT are completely illuminated.

8.6. Test results

PASS.

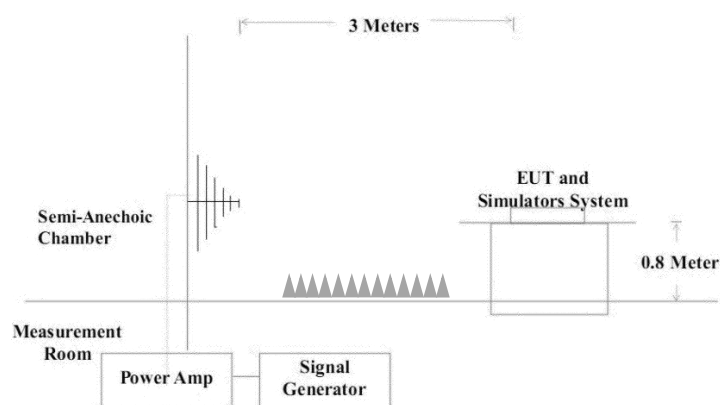
Please refer to the following page.

Test results for electrostatic discharge

Tested by		Jerry Wang				
Test date.....		2021.04.07				
Ambient Temperature (°C):24		Relative Humidity (%):55		Atmospheric Pressure (hPa):1003		
Test set-up.....		<input checked="" type="checkbox"/> Table top equipment				
		<input type="checkbox"/> Floor standing equipment				
		<input type="checkbox"/> Wall or ceiling mounted equipment (Treated as table top)				
Operating mode		ON				
Number of discharges for each test point.....		10				
Discharge interval		1S				
Performance criterion.....		B				
No.	Location of discharge	Polarity	Discharge	Number of discharges	Test level [kV]	Observations
1	HCP top side	P&N	C	10	4	PASS
3	HCP bottom side	P&N	C	10	4	PASS
5	VCP right side	P&N	C	10	4	PASS
7	VCP left side	P&N	C	10	4	PASS
9	Points on conductive surface	P&N	C	10	4	PASS
11	Points on non-conductive surface	P&N	A	10	8	PASS
HCP = Horizontal coupling plate		N = Negative		A = Air discharge		
VCP = Vertical coupling plate		P = Positive		C = Contact discharge		

9. Radio-frequency electromagnetic fields

9.1. R/S test setup



9.2. Severity levels and performance criterion

9.2.1. Severity level

Characteristics	Test levels
Frequency range	80 MHz to 1 000 MHz
Test level	3 V/m (unmodulated)
Modulation	1 kHz, 80 % AM, sine wave

9.2.2. Performance criterion: A

9.3. EUT configuration on test

The configuration of EUT are listed in Section 3.4.

9.4. Operating condition of EUT

Setup the EUT as shown in Section 9.1. The operating conditions of EUT are listed in section 3.3.

9.5. Test procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above the ground. The EUT is set 3 meters away from the transmitting antenna which is mounted on an antenna tower. Both horizontal and vertical polarizations of the antenna are set on test. Each of the four sides of EUT must be faced this transmitting antenna and measured individually.

In order to determine the performance of EUT, a CCD camera is used to monitor the EUT.

For testing of equipment, this carrier signal is 80 % amplitude modulated with a 1 kHz sine wave to simulate actual threats.

9.6. Test results

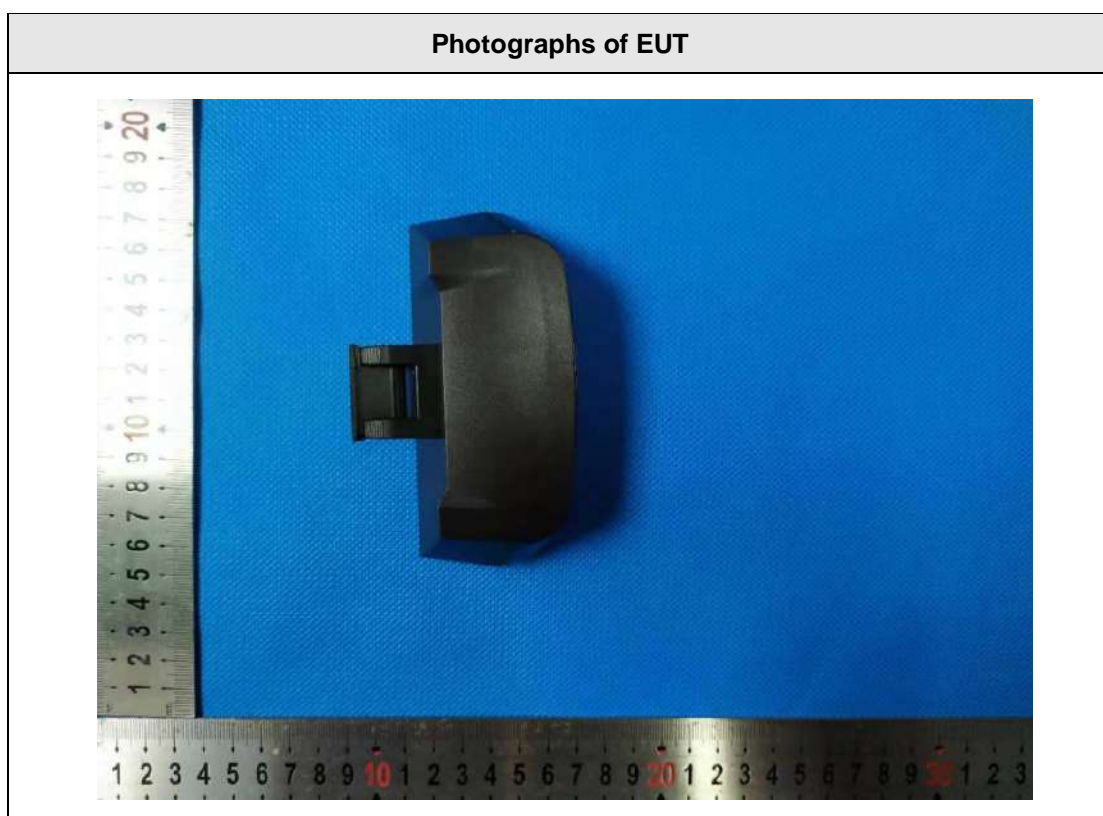
PASS.

Please refer to the following page.

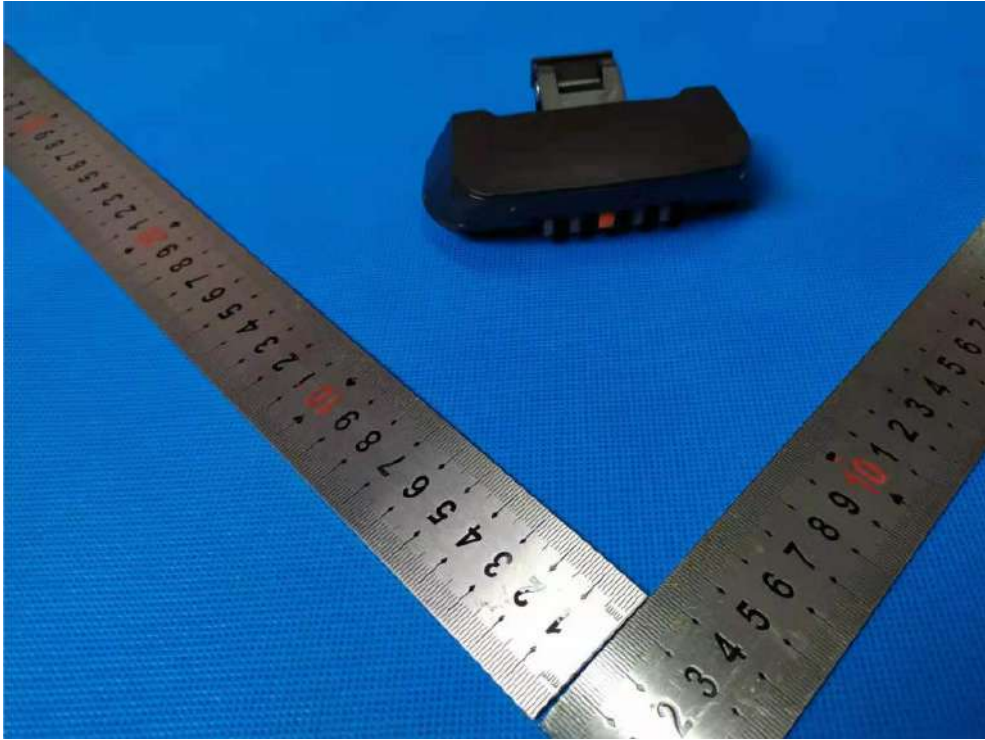
Test results for radiated electromagnetic field

Tested by	Jerry Wang	
Test date	2021.04.07	
Ambient Temperature (°C):24	Relative Humidity (%):55	Atmospheric Pressure (hPa):1003
Operating mode	ON	
Test set-up	<input checked="" type="checkbox"/>	Equipment on the table (0,8 m height)
	<input type="checkbox"/>	Equipment standing on floor (0,05 – 0,15 m height)
Field Strength.....	3V/m	
Frequency Range	80MHz to 1000MHz	
Modulation	<input checked="" type="checkbox"/> 80 % AM with 1 kHz sine wave <input type="checkbox"/> Pulse <input type="checkbox"/> None	
Step size [%]	1%	
Dwell time	1Sec	
Performance criterion.....	A	
Position	Horizontal	Vertical
Front	PASS	PASS
Right Side	PASS	PASS
Left Side	PASS	PASS
Rear	PASS	PASS

10. Photographs of EUT



Photographs of EUT



Photographs of EUT



End of report



Certificate of Compliance

Certificate No. : **OXI210422191721RC**
Applicant : **FUJIAN ANQIYOU ELECTRONIC TECHNOLOGY CO.,LTD.**
Xiaowei Shuangchuang Base, Chengnan Industrial
Park, Longjin, Qingliu, Sanming, Fujian
Manufacturer : **FUJIAN ANQIYOU ELECTRONIC TECHNOLOGY CO.,LTD.**
Xiaowei Shuangchuang Base, Chengnan Industrial
Park, Longjin, Qingliu, Sanming, Fujian
Product Name : **BICYCLE TAILLIGHTS**
Trade Name : **NQY**
Main Test Model : **0118A9**
Additional Model : **AQY0117, AQY0117-1, AQY0116, AQY0115, AQY0113, AQY0113-1, AQY0113-2**
Test Standard : **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**

As shown in the
Test Report No. : **OXI210422191721RR**

The EUT described above has been tested by us and found in compliance with the council RoHS 2 Directive 2011/65/EU Annex II (EU) 2015/863 as last amended by Directive (EU) 2017/2102. This certificate is only valid in conjunction with the test report.



RoHS


Andy Zheng
Approved Signatory
Apr. 08, 2021

Ningbo OXI Technology Co.,Ltd.

Add: Building No.1377, Jianlan Road, Gaoxin District, Ningbo, Zhejiang, China
Certificate Search: <http://www.oxi-lab.com>, E-mail: jack@oxi-lab.cn

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Test Report

Report No: OXI210422191721RR

Date: Apr. 08, 2021

Page 1 of 8

Applicant : FUJIAN ANQIYOU ELECTRONIC TECHNOLOGY CO.,LTD.

Address : Xiaowei Shuangchuang Base, Chengnan Industrial Park, Longjin, Qingliu, Sanming, Fujian

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

Sample Name : BICYCLE TAILLIGHTS

Trade Name : NQY

Sample Model : 0118A9, AQY0117, AQY0117-1, AQY0116, AQY0115, AQY0113, AQY0113-1, AQY0113-2

Sample Received Date : Apr.01, 2021

Testing Period : Apr.01, 2021 To Apr.08, 2021

Test Requested : Selected test (s) in the selected parts as requested by client with the RoHS 2 Directive 2011/65/EU Annex II (EU) 2015/863 as last amended by Directive (EU) 2017/2102.

Test Method : Please refer to next page(s).

Test Result : Please refer to next page(s).

Signed for and on behalf of



Andy Zheng/ Approved Signatory

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Test Report

ReportNo: OXI210422191721RR

Date: Apr. 08, 2021

Page 2 of 8

Test Content:

Test Item(s)	Test Method	Reference	Unit	Limit	MDL
Cadmium(Cd)	IEC 62321-5:2013	ICP-OES	mg/kg	100	2
Lead(Pb)	IEC 62321-5:2013	ICP-OES	mg/kg	1000	2
Mercury(Hg)	IEC 62321-4:2013+AMD1:2017	ICP-OES	mg/kg	1000	2
Hexavalent Chromium(CrVI) (Metal)	IEC 62321-7-1:2015	UV-Vis	µg/cm ²	0.13	0.1
Hexavalent Chromium(CrVI) (Nonmetal)	IEC 62321-7-2:2017	UV-Vis	mg/kg	1000	8
PBBs (Next form)	IEC 62321-6:2015	GC-MS	mg/kg	1000	5
PBDEs (Next form)	IEC 62321-6:2015	GC-MS	mg/kg	1000	5
Dibutyl Phthalate(DBP)	IEC 62321-8:2017	GC-MS	mg/kg	1000	30
Butyl benzyl phthalate (BBP)	IEC 62321-8:2017	GC-MS	mg/kg	1000	30
Di-(2-ethylhexyl) Phthalate(DEHP)	IEC 62321-8:2017	GC-MS	mg/kg	1000	30
Diisobutyl phthalate (DIBP)	IEC 62321-8:2017	GC-MS	mg/kg	1000	30

PBBs		PBDEs	
Monobromobiphenyl	Hexabromobiphenyl	Monobromodiphenyl ether	Hexabromodiphenyl ether
Dibromobiphenyl	Heptabromobiphenyl	Dibromodiphenyl ether	Heptabromodiphenyl ether
Tribromobiphenyl	Octabromobiphenyl	Tribromodiphenyl ether	Octabromodiphenyl ether
Tetrabromobiphenyl	Nonabromobiphenyl	Tetrabromodiphenyl ether	Nonabromodiphenyl ether
Pentabromobiphenyl	Decabromobiphenyl	Pentabromodiphenyl ether	Decabromodiphenyl ether

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Test Report

ReportNo: OXI210422191721RR

Date: Apr. 08, 2021

Page 3 of 8

Sample Description :

No.	Description	Name
1	Plastic	Black Plastic
2	Plastic	Clear Plastic
3	Metal	Silver Screw
4	Plastic	Silver Plastic
5	Plastic	Black Electronic Component
6	Metal	Wire Core
7	PCB	PCB
8	LED	LED
9	Battery	Battery
10	Plastic	Black Line Skin
11	Plastic	Red Line Skin

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Test Report

ReportNo: OXI210422191721RR

Date: Apr. 08, 2021

Page 4 of 8

Test Results:

Test Item(s)	No.1	No.2	No.3	No.4	No.5
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.
Hexavalent Chromium (CrVI)	N.D.	N.D.	N.D.	N.D.	N.D.
PBBs	N.D.	N.D.	--	N.D.	N.D.
PBDEs	N.D.	N.D.	--	N.D.	N.D.
Dibutyl Phthalate (DBP)	N.D.	N.D.	--	N.D.	N.D.
Butyl benzyl phthalate (BBP)	N.D.	N.D.	--	N.D.	N.D.
Di-(2-ethylhexyl) Phthalate(DEHP)	N.D.	N.D.	--	N.D.	N.D.
Diisobutyl phthalate (DIBP)	N.D.	N.D.	--	N.D.	N.D.
Test Item(s)	No.6	No.7	No.8	No.9	No.10
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.
Hexavalent Chromium (CrVI)	N.D.	N.D.	N.D.	N.D.	N.D.
PBBs	--	N.D.	N.D.	--	N.D.
PBDEs	--	N.D.	N.D.	--	N.D.
Dibutyl Phthalate (DBP)	--	N.D.	N.D.	--	N.D.
Butyl benzyl phthalate (BBP)	--	N.D.	N.D.	--	N.D.
Di-(2-ethylhexyl) Phthalate(DEHP)	--	N.D.	N.D.	--	N.D.
Diisobutyl phthalate (DIBP)	--	N.D.	N.D.	--	N.D.

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Test Report

ReportNo: OXI210422191721RR

Date: Apr. 08, 2021

Page 5 of 8

Test Item(s)	No.11
Cadmium (Cd)	N.D.
Lead (Pb)	N.D.
Mercury (Hg)	N.D.
Hexavalent Chromium (CrVI)	N.D.
PBBs	N.D.
PBDEs	N.D.
Dibutyl Phthalate (DBP)	N.D.
Butyl benzyl phthalate (BBP)	N.D.
Di-(2-ethylhexyl) Phthalate(DEHP)	N.D.
Diisobutyl phthalate (DIBP)	N.D.

- Note:**
1. mg/kg= ppm
 2. N.D.= Not Detected(<MDL)
 3. MDL = Method Detection Limit
 4. -- = No Testing
 5. when Cr(VI) in a sample is detected below the 0.10 $\mu\text{g}/\text{cm}^2$ LOQ (limit of quantification), the sample is considered to be negative for Cr(VI). Since Cr(VI) may not be uniformly distributed in the coating even within the same sample batch, a "grey zone" between 0.10 $\mu\text{g}/\text{cm}^2$ and 0.13 $\mu\text{g}/\text{cm}^2$ has been established as "inconclusive" to reduce inconsistent results due to unavoidable coating variations. In this case, additional testing may be necessary to confirm the presence of Cr(VI). When Cr(VI) is detected above 0.13 $\mu\text{g}/\text{cm}^2$, the sample is considered to be positive for the presence of Cr(VI) in the coating layer. unavoidable coating variations may influence the determination Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

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Test Report

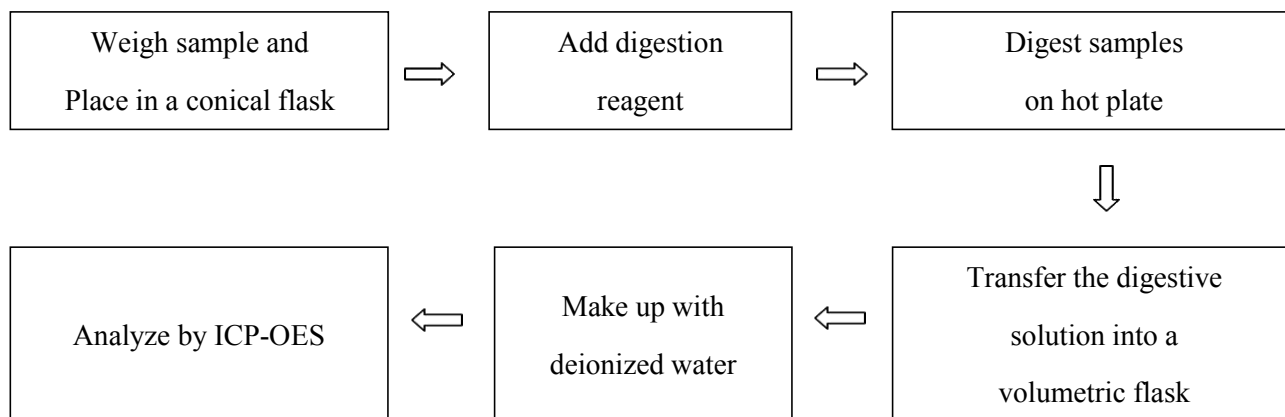
ReportNo: OXI210422191721RR

Date: Apr. 08, 2021

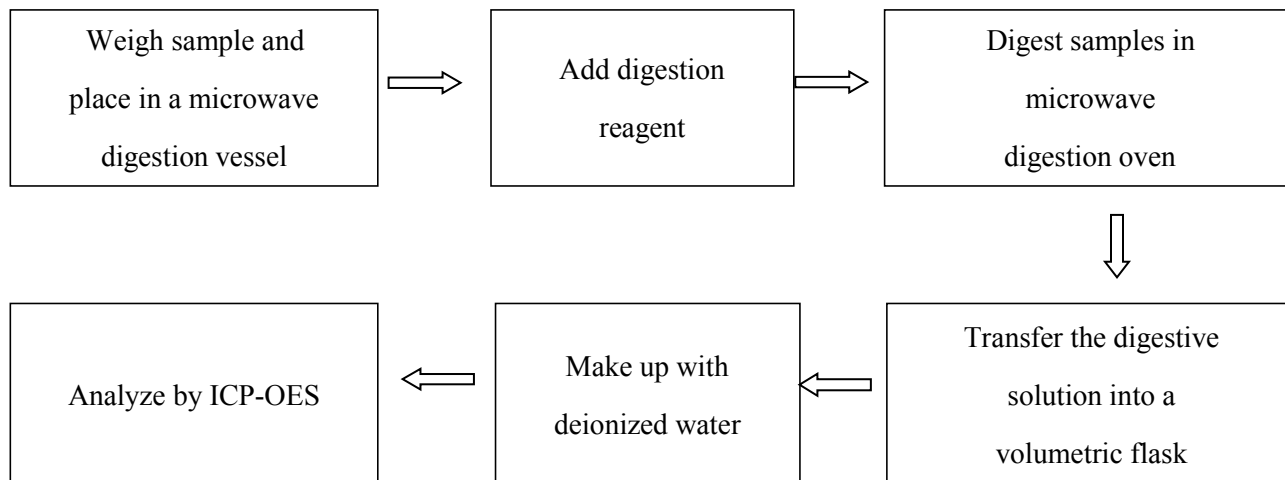
Page 6 of 8

Test Process:

1. Test for Cd/Pb Content



2. Test for Hg Content



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Test Report

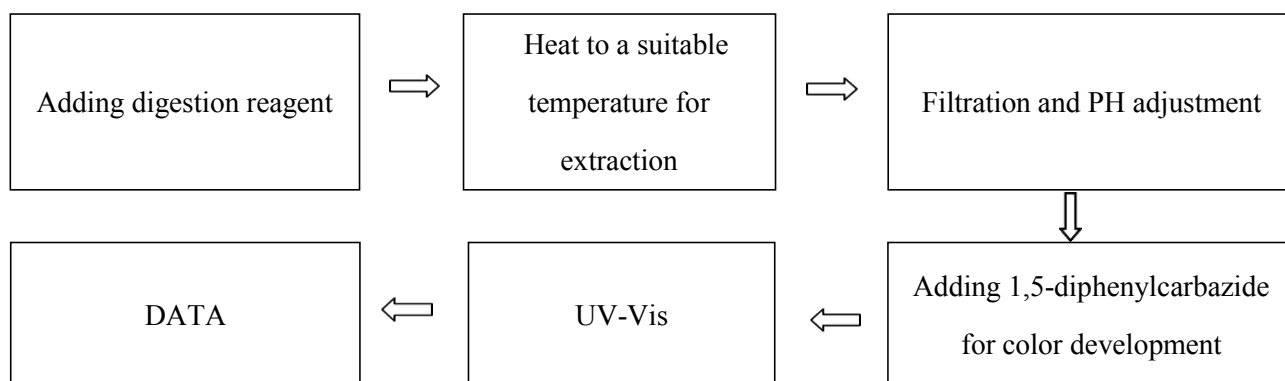
ReportNo: OXI210422191721RR

Date: Apr. 08, 2021

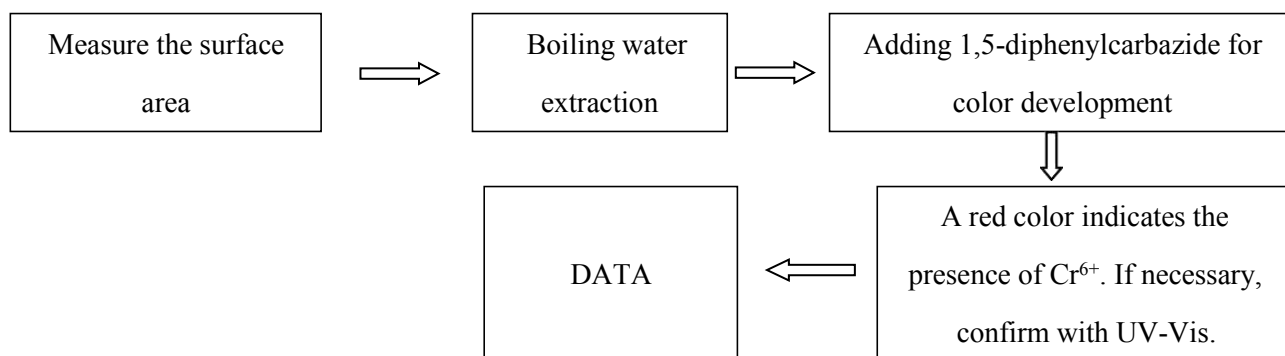
Page 7 of 8

3. Test for Chromium (VI) Content

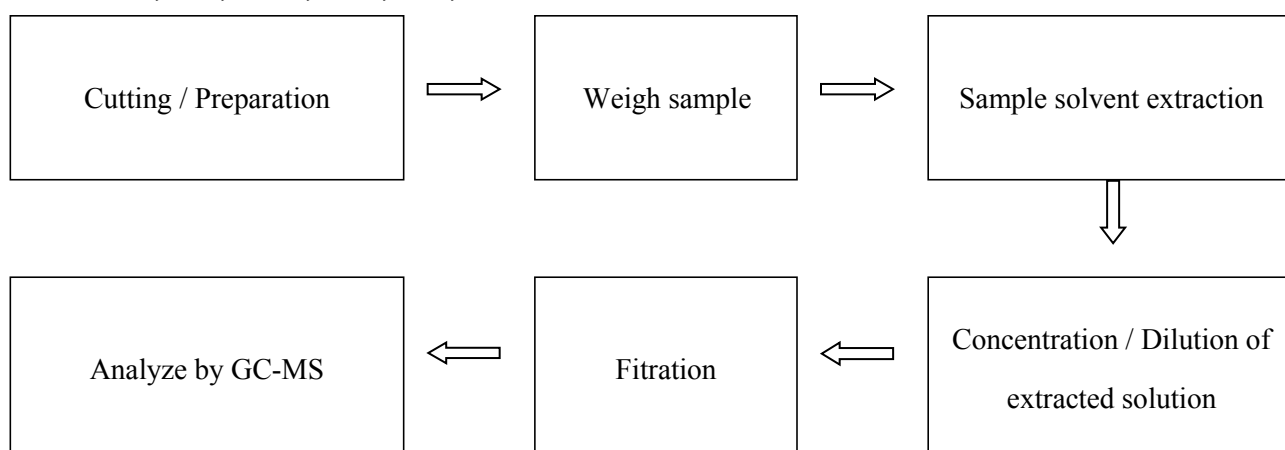
Nonmetal material



Metal material



4. Test for DBP, BBP, DEHP, DIBP, PBB, PBDE Content



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Test Report

ReportNo: OXI210422191721RR

Date: Apr. 08, 2021

Page 8 of 8

Sample Photo:



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