Room 202, 2nd Floor, No.12th Building of Xinhe Tongfuyu Industrial Park, Fuhai Street, Baoan District,

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Report No.: AOC250620014R-R1

TEST REPORT

Client company Zhengxin (Dongguan) Energy Technology Co., Ltd. Building 3, No. 7, Binnong 1st Road, Huangjiang Town, Dongguan City, Client address **Guangdong Province, China** Manufacturer Zhengxin (Dongguan) Energy Technology Co., Ltd. Building 3, No. 7, Binnong 1st Road, Huangjiang Town, Dongguan City, Address **Guangdong Province, China** Report on the submitted samples said to be: **Uninterrupted Power Supply** Sample Name **Trade Mark** Powermerry 3C3 10KL, 3C3 10K(R)L, 3C3 15K(R)L, 3C3 20K(R)L, 3C3 30K(R)L, 3C3 40K(R)L, 3C3 60KL, 3C3 80KL, 3C3 100KL, 3C3 120KL, 3C3 160KL, Style/ Item No. 3C3 180KL,3C3 200KL, 3C3 300KL, 3C3 400KL, 3C3 500KL, 3C3 600KL, 3C3 800KL 3C 10K(R)L, 3C 15K(R)L, 3C 20K(R)L, 3C 30K(R)L, 3C 40K(R)L, 3C 60KL, 3C 80KL Sample Receiving Date : 2025-06-09 Testing Period 2025-06-09 ~ 2025-06-20 Results Please refer to next page(s). **Summary of Test Results:** TEST REQUEST CONCLUSION RoHS Directive (EU) 2017/2102 amending Annex II to Directive 2011/65/EU. Α **POSITIVE** Signed for and on behalf of AOCE

Alice zhou

Alice Zhou

Manager

Approved by:

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Results:

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

Test method: With reference to IEC 62321-3-1:2013, Screening by X-ray Fluorescence Spectroscopy (XRF)

Seq.	Tooted Double)		ı	Results	<u> </u>	
No.	Tested Part(s)	Pb	Cd	Hg	Cr	Br
1	Black plastic shell	BL	BL	BL	BL	BL
2	Black metal shell	BL	BL	BL	BL	BL
3	Transparent plastic	BL	BL	BL	BL	BL
4	Silvery metal screw	BL	BL	BL	BL	BL
5	LED	BL	BL	BL	BL	BL
6	Solder	BL	BL	BL	BL	BL
7	PCB	BL	BL	BL	BL	BL
8	White plastic line	BL	BL	BL	BL	BL
9	Red plastic line	BL	BL	BL	BL	BL
10	Silvery metal line	BL	BL	BL	BL	BL
11	Yellow plastic tape(Transformer)	BL	BL	BL	BL	BL
12	Ceramic(Transformer)	BL	BL	BL	BL	BL
13	Black plastic(Transformer)	BL	BL	BL	BL	BL
14	Copper line(Transformer)	BL	BL	BL	BL	BL
15	Silvery metal needle (Transformer)	BL	BL	BL	BL	BL
16	Black plastic case(C1)	BL	BL	BL	BL	BL
17	Silvery metal case(C1)	BL	BL	BL	BL	BL
18	Black plastic(C1)	BL	BL	BL	BL	BL
19	Electrolytic paper(C1)	BL	BL	BL	BL	BL
20	Silvery metal needle(C1)	BL	BL	BL	BL	BL
21	Triode	BL	BL	BL	BL	BL
22	Diode	BL	BL	BL	BL	BL
23	Chips of resistance	BL	BL	BL	BL	BL
24	Chips of capacitance	BL	BL	BL	BL	BL
25	PCB	BL	BL	BL	BL	BL
26	Solder on PCB	BL	BL	BL	BL	BL

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Note:

-- = Not Conducted

* = Screening by XRF and detected by chemical method. The test results of chemical method please refer to next pages.

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 62321-3-1:2013.

Element	Unit	Non-metal	Metal	Composite Material
Cd	mg/kg	BL≤70-3σ <x <130+3σ≤OL</x 	BL≤70-3σ <x <130+3σ≤OL</x 	BL≤50-3σ <x <150+3σ≤OL</x
Pb	mg/kg	BL≤700-3σ <x <1300+3σ≤OL</x 	BL≤700-3σ <x <1300+3σ≤OL</x 	BL≤500-3σ <x <1500+3σ≤OL</x
Hg	mg/kg	BL≤700-3σ <x <1300+3σ≤OL</x 	BL≤700-3σ <x <1300+3σ≤OL</x 	BL≤500-3σ <x <1500+3σ≤OL</x
Cr	mg/kg	BL≤700-3σ <x< td=""><td>BL≤700-3σ<x< td=""><td>BL≤500-3σ<x< td=""></x<></td></x<></td></x<>	BL≤700-3σ <x< td=""><td>BL≤500-3σ<x< td=""></x<></td></x<>	BL≤500-3σ <x< td=""></x<>
Br	mg/kg	BL≤300-3σ <x< td=""><td></td><td>BL≤250-3σ<x< td=""></x<></td></x<>		BL≤250-3σ <x< td=""></x<>

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Note:

BL = Below Limit
OL = Over Limit
X = Inconclusive

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
Bis(2-ethylhexyl) phthalate(DEHP)	1000
Butyl benzyl phthalate(BBP)	1000
Dibutyl phthalate(DBP)	1000
Diisobutyl phthalate(DIBP)	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.

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B. The Test Results of Chemical Method:

Test method:

Lead & Cadmium Content:

With reference to IEC 62321-5:2013, by acid digestion and analysis was performed by inductively coupled plasma atomic emission spectrometer (ICP-AES)

Mercury Content:

With reference to IEC 62321-4:2013, by acid digestion and analysis was performed by inductively coupled plasma atomic emission spectrometer (ICP-AES)

Hexavalent Chromium Content:

With reference to IEC 62321-7-1:2013, by alkaline digestion and analysis was performed by UV-visible spectrophotometer (UV-Vis)

PBBs & PBDEs Content:

With reference to IEC 62321-6:2015, by solvent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS)

Phthalates Content:

With reference to IEC 62321-8:2017, by gas chromatography-mass spectrometry (GC-MS)

1) The test results of Lead (Pb)

Item	Unit	MDL	Res	ults	Limit
	Onit	MIDE	(1)	(2)	Liiiit
Lead Content (Pb)	mg/kg	2	38	21	1000 mg/kg
Conclusion	1	1	Pass	Pass	/

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2) The test results of PBBs & PBDEs

160	I I Incit	MDL	Res	Results				
Item	Unit	MIDL	4	42	Limit			
Polybrominated Biphenyls (PBBs)								
Monobromobiphenyl	mg/kg	5	N.D.	N.D.				
Dibromobiphenyl	mg/kg	5	N.D.	N.D.				
Tribromobiphenyl	mg/kg	5	N.D.	N.D.				
Tetrabromobiphenyl	mg/kg	5	N.D.	N.D.				
Pentabromobiphenyl	mg/kg	5	N.D.	N.D.				
Hexabromobiphenyl	mg/kg	5	N.D.	N.D.				
Heptabromobiphenyl	mg/kg	5	N.D.	N.D.				
Octabromobiphenyl	mg/kg	5	N.D.	N.D.				
Nonabromodiphenyl	mg/kg	5	N.D.	N.D.				
Decabromodiphenyl	mg/kg	5	N.D.	N.D.				
Total content	mg/kg	1	N.D.	N.D.	1000 mg/kg			
Polybrominated Diphenylethers (PBDEs)(Mon-Deca)								
Monobromodiphenyl ether	mg/kg	5	N.D.	N.D.				
Dibromodiphenyl ether	mg/kg	5	N.D.	N.D.				
Tribromodiphenyl ether	mg/kg	5	N.D.	N.D.				
Tetrabromodiphenyl ether	mg/kg	5	N.D.	N.D.				
Pentabromodiphenyl ether	mg/kg	5	N.D.	N.D.				
Hexabromodiphenyl ether	mg/kg	5	N.D.	N.D.				
Heptabromodiphenyl ether	mg/kg	5	N.D.	N.D.				
Octabromodiphenyl ether	mg/kg	5	N.D.	N.D.				
Nonabromodiphenyl ether	mg/kg	5	N.D.	N.D.				
Decabromodiphenyl ether	mg/kg	5	N.D.	N.D.				
Total content	mg/kg	1	N.D.	N.D.	1000 mg/kg			

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Item	Unit	MDL	Results					Limit	
item	Ullit	IVIDE	(1)	(2)	(3)	(4)	(5)	Limit	
Dibuyl Phthalate(DBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg	
Benzylbutyl Phthalate(BBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg	
Bis(2-ethylhexyl) Phthalate(DEHP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg	
Diispbutyl phthalate(DIBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg	

Item	Unit	MDL		Limit				
item	Offic	WIDL	(6)	(7)	(8)	(9)	(10)	Limit
Dibuyl Phthalate(DBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
Benzylbutyl Phthalate(BBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
Bis(2-ethylhexyl) Phthalate(DEHP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
Diispbutyl phthalate(DIBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg

Itam	Unit	MDL		Limit						
Item	Unit	MIDE	(11)	(12)	(13)	(14)	(15)	Limit		
Dibuyl Phthalate(DBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg		
Benzylbutyl Phthalate(BBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg		
Bis(2-ethylhexyl)	mg/kg	50	50	ma/ka 50	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
Phthalate(DEHP)	ilig/kg	30	N.D.	IN.D.	IN.D.	IN.D.	IN.D.	1000 mg/kg		
Diispbutyl phthalate(DIBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg		

Item	Unit	MDL		Limit				
	Unit	MIDE	(16)	(17)	(18)	(19)	(20)	Limit
Dibuyl Phthalate(DBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
Benzylbutyl Phthalate(BBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
Bis(2-ethylhexyl)	mg/kg	50	50 N.D. N	N.D. N.D.	N.D.	N.D.	1000 mg/kg	
Phthalate(DEHP)	llig/kg	30	IN.D.	IV.D.	N.D.	IN.D.	IN.D.	1000 mg/kg
Diispbutyl phthalate(DIBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg

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Item	Unit	MDL		Limit				
item	Offic	WIDL	(21)	(22)	(23)	(24)	(25)	Lillit
Dibuyl Phthalate(DBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
Benzylbutyl Phthalate(BBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
Bis(2-ethylhexyl) Phthalate(DEHP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
Diispbutyl phthalate(DIBP)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg

Item	Unit	MDL		Results		Limit	
	Offic	MIDE	(26)	 			Limit
Dibuyl Phthalate(DBP)	mg/kg	50	N.D.	 			1000 mg/kg
Benzylbutyl Phthalate(BBP)	mg/kg	50	N.D.	 			1000 mg/kg
Bis(2-ethylhexyl)	mg/kg	50	N.D.	 			1000 mg/kg
Phthalate(DEHP)	IIIg/kg		14.5.				1000 mg/kg
Diispbutyl phthalate(DIBP)	mg/kg	50	N.D.	 			1000 mg/kg

Note:

- N.D. = Not Detected or less than MDL
- mg/kg = ppm
- MDL = Method Detection Limit
- Photo appendix is included.

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Appendix

Photograph of Sample



Fig.1



Fig.2

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Fig.3



Fig.4

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Fig.5



Fig.6

AOCE authenticate the photo on original report only

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