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

Shenzhen, Guangdong, China

Tel: (86)755-85277785 Fax: (86)755-23705230

Http://www.aoc-cert.com Email: postmaster@aoc-cert.com

Report No.:AOC251015002R

TEST REPORT

	File	Sunny Su administrators			Alice Zhou Manager					
Written By:		Sunny Su	Approved b	y: /	flice zhou					
Signed for and on behalf o	of AO	CE								
**********	*****	********	*************	******	*******					
A RoHS Directive (EU) 201	7/2102 amending An	nex II to Directive 2011/65/EU	l.	POSITIVE					
TEST REQUEST					CONCLUSION					
Summary of Test Result	***** :S:	**********	************	******	*******					
Results	:	Please refer to next	page(s).							
Testing Period	:	May 7, 2025 ~ May 1	5, 2025							
Sample Receiving Date	:	May 7, 2025								
Style/ Item No.	:	See Model List								
Trade Mark	:	Well-born								
Sample Name	:	Electric Water Heate	er							
Report on the submitted	l sam	ples said to be:								
Address	:	No. 15 HuaTian Roa Guangdong	d, South First Road, Ronggu	i, Shunde, l	Foshan,					
Manufacturer	:	Guangdong Well-bo	Guangdong Well-born Electric Appliance Co., Ltd.							
Client address	:	No. 15 HuaTian Roa Guangdong	No. 15 HuaTian Road, South First Road, Ronggui, Shunde, Foshan, Guangdong							
Client company	:	Guangaong weil-bo	rn Electric Appliance Co., Ltd	a.						

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

Shenzhen, Guangdong, China

Tel: (86)755-85277785 Fax: (86)755-23705230

Http://www.aoc-cert.com Email: postmaster@aoc-cert.com

Report No.:AOC251015002R

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 Boot(o)	Results					
No.	Tested Part(s)	Pb	Cd	Hg	Cr	Br	
1	White metal enclosure	BL	BL	BL	BL	BL	
2	Silver metal enclosure	BL	BL	BL	BL	BL	
3	Gray plastic enclosure	BL	BL	BL	BL	BL	
4	Display	BL	BL	BL	BL	BL	
5	Silver metal screw	BL	BL	BL	BL	BL	
6	White wire	BL	BL	BL	BL	BL	
7	White plastic(plug)	BL	BL	BL	BL	BL	
8	Silver metal(plug)	BL	BL	BL	BL	BL	
9	Heater	BL	BL	BL	BL	BL	
10	Chips of resistance	BL	BL	BL	BL	BL	
11	Chips of capacitance	BL	BL	BL	BL	BL	
12	PCB	BL	BL	BL	BL	BL	
13	Solder on PCB	BL	BL	BL	BL	BL	

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

Shenzhen, Guangdong, China

Tel: (86)755-85277785 Fax: (86)755-23705230

Report No.:AOC251015002R

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<>

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

Shenzhen, Guangdong, China

Tel: (86)755-85277785 Fax: (86)755-23705230

Report No.:AOC251015002R

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.

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

Shenzhen, Guangdong, China

Tel: (86)755-85277785 Fax: (86)755-23705230

Http://www.aoc-cert.com Email: postmaster@aoc-cert.com

Report No.:AOC251015002R

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	
nem	Onit	IVIDE	(1)	(2)		
Lead Content (Pb)	mg/kg	2	38	21	1000 mg/kg	
Conclusion	1	1	Pass	Pass	/	

Shenzhen, Guangdong, China

Tel: (86)755-85277785 Fax: (86)755-23705230

Email: postmaster@aoc-cert.com Http://www.aoc-cert.com

Report No.:AOC251015002R

2) The test results of PBBs & PBDEs

Maria	l lmi4	MDI	Res	ults	Limit
Item	Unit	MDL	1	2	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	/	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	/	N.D.	N.D.	1000 mg/kg

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

Shenzhen, Guangdong, China

Tel: (86)755-85277785 Fax: (86)755-23705230

Http://www.aoc-cert.com Email: postmaster@aoc-cert.com

Report No.:AOC251015002R

Item	Unit	MDL	Results					Limit	
item	Offic	WIDL	(1)	(2)	(3)	(4)	(5)	Lillin	
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	

Itom	Unit	MDL	Results					Limit	
Item	Offic		(6)	(7)	(8)	(9)	(10)	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	
item	Oilit	OTHE MIDE		(12)	(13)			Lillit	
Dibuyl Phthalate(DBP)	mg/kg	50	N.D.	N.D.	N.D.			1000 mg/kg	
Benzylbutyl Phthalate(BBP)	mg/kg	50	N.D.	N.D.	N.D.			1000 mg/kg	
Bis(2-ethylhexyl)	mg/kg	50	N.D.	N.D.	N.D.			1000 mg/kg	
Phthalate(DEHP)	mg/kg	50	N.D.	N.D.	N.D.			1000 mg/kg	
Diispbutyl phthalate(DIBP)	mg/kg	50	N.D.	N.D.	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.

Shenzhen, Guangdong, China

Tel: (86)755-85277785 Fax: (86)755-23705230

Email: postmaster@aoc-cert.com Http://www.aoc-cert.com

Report No.:AOC251015002R

Appendix

Photograph of Sample



Fig.1



Fig.2

Shenzhen, Guangdong, China

Tel: (86)755-85277785 Fax: (86)755-23705230

Http://www.aoc-cert.com Email: postmaster@aoc-cert.com



Fig.3

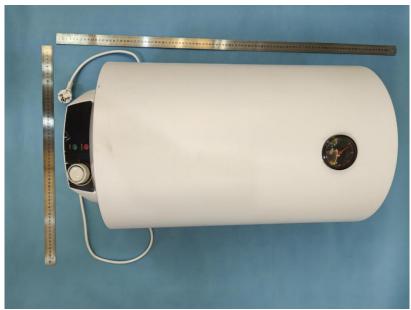


Fig.4

Shenzhen, Guangdong, China

Tel: (86)755-85277785

Fax: (86)755-23705230 Email: postmaster@aoc-cert.com Http://www.aoc-cert.com

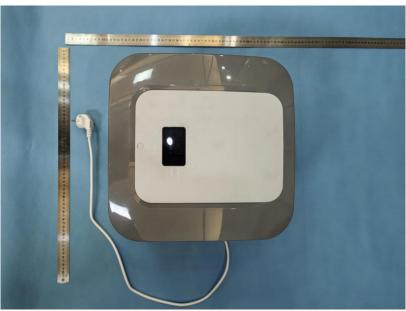


Fig.5

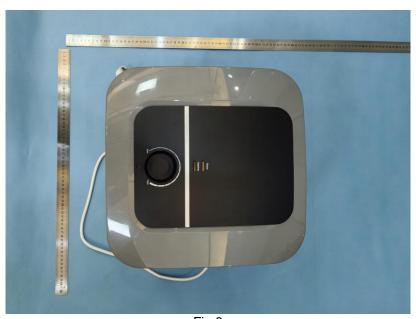


Fig.6

Shenzhen, Guangdong, China

Tel: (86)755-85277785 Fax: (86)755-23705230

Http://www.aoc-cert.com Email: postmaster@aoc-cert.com



Fig.7



Fig.8

Shenzhen, Guangdong, China

Tel: (86)755-85277785 Fax: (86)755-23705230

Http://www.aoc-cert.com Email: postmaster@aoc-cert.com

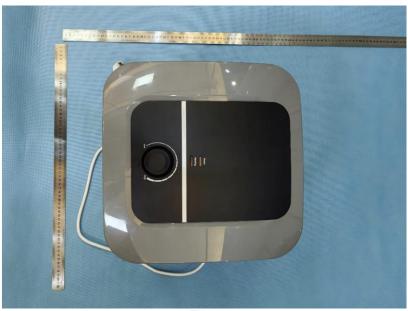


Fig.9



Fig.10

Shenzhen, Guangdong, China

Tel: (86)755-85277785 Fax: (86)755-23705230

Http://www.aoc-cert.com Email: postmaster@aoc-cert.com



Fig.11



Fig.12

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

Shenzhen, Guangdong, China

Tel: (86)755-85277785 Fax: (86)755-23705230

Http://www.aoc-cert.com Email: postmaster@aoc-cert.com



Fig.13 of 9M series:NSJ15VLA9M



Fig.14 of H12 series:NRJ50VLA12H

Shenzhen, Guangdong, China

Tel: (86)755-85277785 Fax: (86)755-23705230

Email: postmaster@aoc-cert.com Http://www.aoc-cert.com

Report No.:AOC251015002R



Fig.15 of NDT20E30-5

AOCE authenticate the photo on original report only

Shenzhen, Guangdong, China

Tel: (86)755-85277785 Fax: (86)755-23705230

Http://www.aoc-cert.com Email: postmaster@aoc-cert.com

Report No.:AOC251015002R

Model List

NRJ50VLA12	NRJ80VLA12	NRJ100VLA12	NRJ150VLA12
NRJ50VLA11	NRJ80VLA11	NRJ100VLA11	NRJ150VLA11
NRJ50VLA10	NRJ80VLA10	NRJ100VLA10	NRJ150VLA10
NRJ30VLA10	NRJ30VLA11	NRJ30VLA12	NSJ10VLA8M
NSJ15VLA8M	NSJ30VLA8M	NSJ10VLA8D	NSJ15VLA8D
NSJ30VLA8D	NFSJ150VLA10	NFSJ200VLA10	NFSJ300VLA10
NRJ30VLA14	NRJ50VLA14	NRJ80VLA14	NRJ100VLA14
NRJ30VLA15-2	NRJ50VLA15-2	NRJ80VLA15-2	NRJ100VLA15-2
NSJ10VLA8UM	NSJ15VLA8UM	NSJ30VLA8UM	NSJ10VLA8UD
NSJ15VLA8UD	NSJ30VLA8UD	NRJ30VLA10H	NRJ50VLA10H
NRJ80VLA10H	NRJ100VLA10H	NRJ30VLA11H	NRJ50VLA11H
NRJ80VLA11H	NRJ100VLA11H	NSJ10VLA9UM	NSJ10VLA9M
NSJ15VLA9UM	NSJ15VLA9M	NSJ30VLA9UM	NSJ30VLA9M
NDT20E30-5	NRJ30VLA12H	NRJ50VLA12H	NRJ80VLA12H
NRJ100VLA12H			

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