

Applicant name:		
Applicant address:		
Sample information:	-	
Sample Name:	Wireless Powerbank	
Sample Model:		
Trade mark :	N/A	
Manufacturer:	Shenzhen Mossloo Industrial Co.,Ltd No.4,Road One,Shangxue Industrial Area,Bantian Street,Longgang District, Shenzhen,China	
Sample Received Date:	Oct.31,2019	
Testing Period:	Oct.31,2019 ~ Nov.06,2019	

Test Requested

As specified by client, to determine the Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs, PBDEs, DEHP, BBP, DBP & DIBP content in the submitted sample compliance with RoHS directive 2011/65/EU Annex II amending Annex (EU)2015/863 and amending Annex (EU)2017/2102.

Test Method:

Tested Item(s)	Test Method	Measured Equipment(s)	MDL
Lead(Pb)	IEC 62321-5:2013	ICP-OES	2mg/kg
Cadmium(Cd)	IEC 62321-5:2013	ICP-OES	2mg/kg
Mercury(Hg)	IEC 62321-4:2013+A1:2017	ICP-OES	2mg/kg
Havayalant Chramium(Cr(VI))	IEC 62321-7-1:2015	UV-VIS	2mg/kg
Hexavalent Chromium(Cr(VI))	IEC 62321-7-2:2017	0 4-415	2mg/kg
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS	5mg/kg
Polybrominated Dipheny1 Ethers (PBDEs)	IEC 62321-6:2015	GC-MS	5mg/kg
Di-(2-ethylhexyl) phthalate(DEHP)	IEC 62321-8:2017	GC-MS	50mg/kg
Benzylbutyl phthalate(BBP)	IEC 62321-8:2017	GC-MS	50mg/kg
Dibutyl phthalate (DBP)	IEC 62321-8:2017	GC-MS	50mg/kg
Diisobutyl phthalate(DIBP)	IEC 62321-8:2017	GC-MS	50mg/kg

Test Result(s)

Please refer to the following page(s).

Test

Technical Mana

Inspected by: Kathert Chen

Approved by:

Date:

Nov.06,2019



1. Disassembly components

No.	Part Name
01	White plastic shell
02	Silver plastic cover
03	Battery
04	Copper coil
05	Rubber ring
06	Magnetic disk
07	coil
08	PCB
09	IC
10	LED
11	Ceramic capacitor
12	Chip capacitor
13	chip resistor
14	diode
15	Triode
16	inductance
17	Button
18	USB type-A interface
19	USB type-C interface
20	USB micro interface
21	Soldering
22	Insulating tape

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Test Result(1):

Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs and PBDEs Content RoHS Directive 2011/65/EU Annex II amending Annex (EU)2015/863 and amending Annex (EU)2017/2102.

			Res	ults			.	MAN
Tested Item(s)	01	02	03	04	05	06	Limit	MDL
Lead(Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	2
Cadmium(Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	100	2
Mercury(Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	2
Hexavalent Chromium(Cr(VI))	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	2
Polybrominated Biphenyls (PB	BBs)							
Monobromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Dibromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Trbromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Tetrabromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Pentbromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Hexabromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Heptabromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	5
Octabromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	5
Nonabromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	5
Decabromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Sum of PBBs	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	-
Polybrominated Diphenyl Etho	ers(PBI	DEs)						
Monobromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Dibromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Tribromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Tetrabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Pentabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Hexabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Heptabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Octabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Nonabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Decabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Sum of PBDES	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	-

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T-4-114()		Results						MDI
Tested Item(s)	07	08	09	10	11	12	Limit	MDL
Lead(Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	2
Cadmium(Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	100	2
Mercury(Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	2
Hexavalent Chromium(Cr(VI))	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	2
Polybrominated Biphenyls (PE	BBs)							
Monobromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Dibromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Trbromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Tetrabromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Pentbromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Hexabromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Heptabromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Octabromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ı	5
Nonabromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ı	5
Decabromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	5
Sum of PBBs	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	1
Polybrominated Diphenyl Etho	ers(PBI	DEs)						
Monobromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Dibromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Tribromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Tetrabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Pentabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Hexabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Heptabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Octabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Nonabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ı	5
Decabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Sum of PBDES	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	ı

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T4-114(-)		Results						MDI
Tested Item(s)	13	14	15	16	17	18	Limit	MDL
Lead(Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	2
Cadmium(Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	100	2
Mercury(Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	2
Hexavalent Chromium(Cr(VI))	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	2
Polybrominated Biphenyls (PE	BBs)							
Monobromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Dibromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Trbromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Tetrabromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Pentbromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Hexabromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Heptabromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Octabromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ı	5
Nonabromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ı	5
Decabromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	5
Sum of PBBs	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	-
Polybrominated Diphenyl Etho	ers(PBI	DEs)						
Monobromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Dibromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Tribromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Tetrabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Pentabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Hexabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	ı	5
Heptabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Octabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Nonabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	-	5
Decabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1	5
Sum of PBDES	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	-

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T 4 1 14 ()			Res	ults	T.	1.001
Tested Item(s)	19	20	21	22	Limit	MDL
Lead(Pb)	N.D.	N.D.	N.D.	N.D.	1000	2
Cadmium(Cd)	N.D.	N.D.	N.D.	N.D.	100	2
Mercury(Hg)	N.D.	N.D.	N.D.	N.D.	1000	2
Hexavalent Chromium(Cr(VI))	N.D.	N.D.	N.D.	N.D.	1000	2
Polybrominated Biphenyls (PF	BBs)					
Monobromobiphenyl	N.D.	N.D.	N.D.	N.D.	-	5
Dibromobiphenyl	N.D.	N.D.	N.D.	N.D.	_	5
Trbromobiphenyl	N.D.	N.D.	N.D.	N.D.	-	5
Tetrabromobiphenyl	N.D.	N.D.	N.D.	N.D.	_	5
Pentbromobiphenyl	N.D.	N.D.	N.D.	N.D.	_	5
Hexabromobiphenyl	N.D.	N.D.	N.D.	N.D.	-	5
Heptabromobiphenyl	N.D.	N.D.	N.D.	N.D.	-	5
Octabromobiphenyl	N.D.	N.D.	N.D.	N.D.	-	5
Nonabromobiphenyl	N.D.	N.D.	N.D.	N.D.	-	5
Decabromobiphenyl	N.D.	N.D.	N.D.	N.D.	-	5
Sum of PBBs	N.D.	N.D.	N.D.	N.D.	1000	-
Polybrominated Diphenyl Etho	ers(PBI	DEs)				
Monobromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	_	5
Dibromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	-	5
Tribromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	-	5
Tetrabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	_	5
Pentabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	-	5
Hexabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	-	5
Heptabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	-	5
Octabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	-	5
Nonabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	-	5
Decabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	-	5
Sum of PBDES	N.D.	N.D.	N.D.	N.D.	1000	-

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Test Result(2):

Di-(2-ethylhexyl) phthalate, Benzylbutyl phthalate, Dibutyl phthalate and Diisobutyl phthalate RoHS Directive 2011/65/EU Annex II amending Annex (EU)2015/863 and amending Annex (EU)2017/2102.

Tested Item(s)		Results						MDL
	01	02	03	04	05	06	Limit	MDL
Di-(2-ethylhexyl) phthalate(DEHP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	50
Benzylbutyl phthalate(BBP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	50
Dibutyl phthalate (DBP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	50
Diisobutyl phthalate(DIBP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	50

Tested Item(s)				Limit	MDL			
	07	08	09	10	11	12	Lillit	MIDL
Di-(2-ethylhexyl) phthalate(DEHP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	50
Benzylbutyl phthalate(BBP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	50
Dibutyl phthalate (DBP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	50
Diisobutyl phthalate(DIBP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	50

Tested Item(s)		Results						
	13	14	15	16	17	18	Limit	MDL
Di-(2-ethylhexyl) phthalate(DEHP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	50
Benzylbutyl phthalate(BBP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	50
Dibutyl phthalate (DBP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	50
Diisobutyl phthalate(DIBP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	50

Tested Item(s)		Limit	MDL			
	19	20	21	22	Lillit	MIDL
Di-(2-ethylhexyl) phthalate(DEHP)	N.D.	N.D.	N.D.	N.D.	1000	50
Benzylbutyl phthalate(BBP)	N.D.	N.D.	N.D.	N.D.	1000	50
Dibutyl phthalate (DBP)	N.D.	N.D.	N.D.	N.D.	1000	50
Diisobutyl phthalate(DIBP)	N.D.	N.D.	N.D.	N.D.	1000	50

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Note:

MDL = Method Detection Limit

N.D. =Not Detected(<MDL)

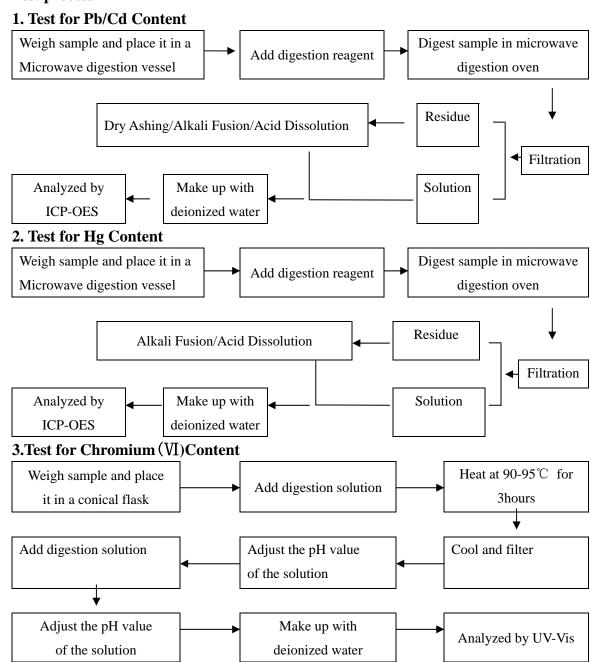
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mg/kg = ppm =parts per million

"-"=Not specified

Test process



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EDCUMENT WAS REDACTED WITH THE PRODUCTIP REDACTION TOOL ON 2019-11-13. AT THE TIME OF GENERATING THE DOCUMENT THE ORIGINAL DOCUMENT WAS REDACTED WITH THE PRODUCTIP REDACTION TOOL ON 2019-11-13. AT THE TIME OF GENERATING THE DOCUMENT THE ORIGINAL DOCUMENT WAS REDACTED WITH THE PRODUCTIP REDACTION TOOL ON 2019-11-13. AT THE TIME OF GENERATING THE DOCUMENT THE ORIGINAL DOCUMENT WAS REDACTED WITH THE PRODUCTIP REDACTION TOOL ON 2019-11-13. AT THE TIME OF GENERATING THE DOCUMENT THE ORIGINAL DOCUMENT WAS REDACTED WITH THE PRODUCTIP REDACTION TOOL ON 2019-11-13. AT THE TIME OF GENERATING THE DOCUMENT WAS REDACTED WITH THE PRODUCTIP REDACTION TOOL ON 2019-11-13.



RoHS Test Report

4. Test for PBBs/PBDEs Content Weigh sample and Extracted with Concentrate the extract Place it in a thimble Organic solvent Analyzed by GC-MS Transfer the extract into a Make up with Organic solvent Volumetric flask **5. Phthalates Content** Weigh sample and Extracted with Concentrate the extract Place it in a thimble Organic solvent Analyzed by GC-MS Make up with Transfer the extract into a Organic solvent Volumetric flask

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Photo(s) of the sample(s)





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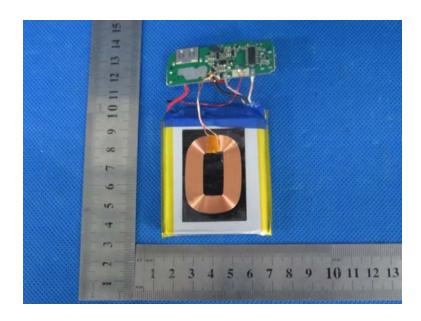


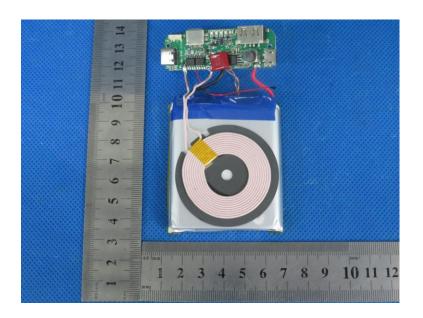


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Report No. HTT191112046CH

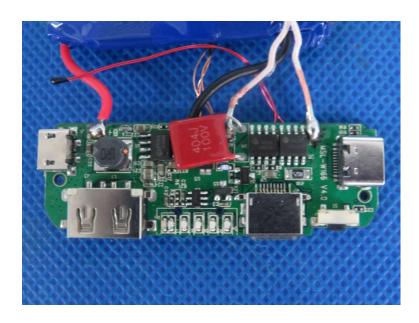
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Tel: 86-755-23595200

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*** End of report ***

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