

RoHS Test Report

Report No. : AGC05443231202-001S1

SAMPLE NAME : Solar power bank

MODEL NAME : MO9051

APPLICANT: MID OCEAN BRANDS B.V.

STANDARD(S) : Please refer to the following page(s).

DATE OF ISSUE : Sep. 29, 2024

Attestation of Global Compliance (Shenzhen) Std & Tech Co., Ltd.





Report No.: AGC05443231202-001S1
Applicant: MID OCEAN BRANDS B.V.

Address : 7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.
Test Site : 6/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community, Hangcheng Street,

Bao'an District, Shenzhen, Guangdong, China

Report on the submitted sample(s) said to be:

Sample Name : Solar power bank

Model : MO9051
Vendor code : 114538
Country of Origin : CHINA
Country of Destination : EUROPE

Sample Received Date : Dec. 01, 2023 (Test point: 1 to 54)

Sep. 27, 2024 (Test point: 55 to 58)

Testing Period : Dec. 01, 2023 to Dec. 18, 2023 (Test point: 1 to 54)

Sep. 27, 2024 to Sep. 29, 2024 (Test point:55 to 58)

Test Requested : Selected test(s) as requested by client.

Test Requested: Conclusion

2011/65/EU (RoHS) and its amendment directive (EU) 2015/863 - Pb, Cd, Hg, Cr⁶⁺, PBBs, PBDEs, DBP, BBP, DEHP, DIBP

Pass

Approved by:

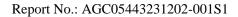
Suhongliang, Leon

Technical Director



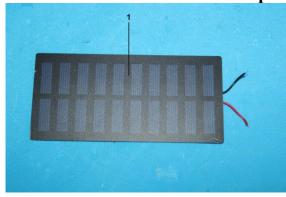
Report Revise Record

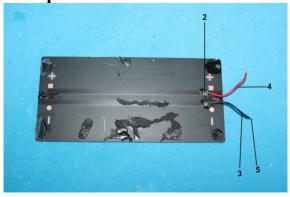
Report Version	Issued Date	Valid Version	Notes
/	Dec. 18, 2023	Invalid	Initial release
S1	Sep. 29, 2024	Valid	Add Test point





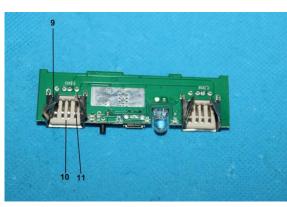
The photo of the sample

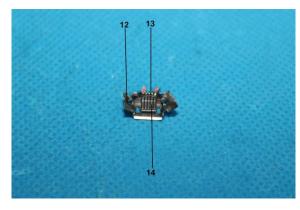


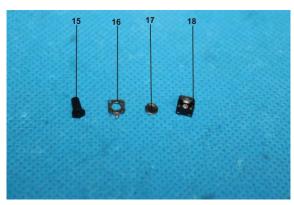


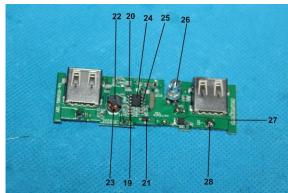






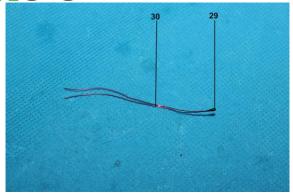


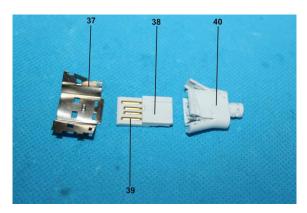


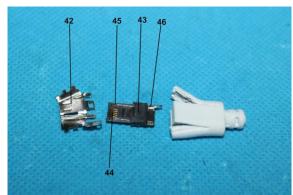


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Report No.: AGC05443231202-001S1

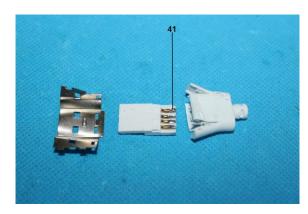


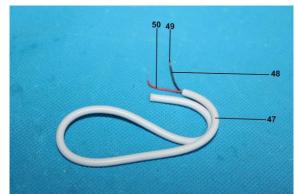


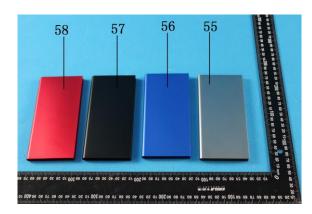


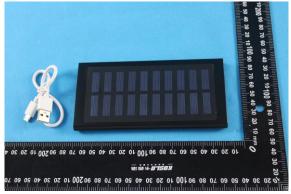


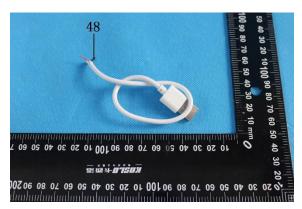






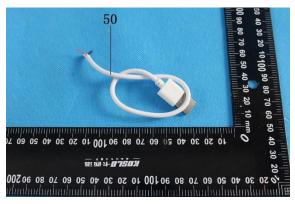


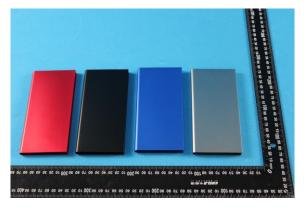












The photo of AGC05443231202-001S1 is for use only with the original report.

Test Point Description

Test point	Test module	Test parts	Test point description			
Solar power bank Model: MO9051						
1			Solar panels			
2			Solder			
3		Solar panels	Black wire jacket			
4			Red wire jacket			
5			Conductor			
6			Black metallic shell			
7		Outer shell	Black plastic sheet			
8			Black plastic frame			



10				Report No.: AGC05443231202-00181
Metal pin Metal pin Micro connector Micro connector Grey plastic joint Metal pin Metal pin Metal pin Metal pin Metal pin Metal pin Metallic shell Metallic shrappel Metallic shrappel Black plastic base Chip capacitor Chip pagacitor Chip pagacitor Chip capacitor Chip capacitor Chip capacitor Chip diode Magnetic frame inductance Enameled wire Chip diode Metallic pin with solder Chip with solder Chip magnetic frame inductance Enameled wire Chip diode Chip magnetic frame inductance Chip diode Chip capacitor Chip diode C	9			USB metal device
12	10		USB device	White plastic joint
Micro connector Grey plastic joint	11			Metal pin
Metal pin Metal pin	12			Micro metal connector
15	13		Micro connector	Grey plastic joint
15	14	-		Metal pin
16 17 Metallic shell Metallic shapnel 18 Is a plastic base Is a plastic base 19 Chip capacitor Chip capacitor 20 Chip resistor Chip diode 22 Magnetic frame inductance Black magnetic frame inductance 10 body Is consider 26 Is consider 27 PCB 28 Is consider 29 Is consider 30 Image: I	15			Black plastic button
Metallic shrappet Black plastic base	16			
Black plastic base Chip capacitor	17		Key	Metallic shrapnel
19				
Chip resistor Chip diode		Circuit board		*
Chip diode				
Magnetic frame inductance				*
Inductance			Magnetic frame	
26 27 Transparent LED 27 PCB Solder 29 Black thermistor Enameled wire 30 Black foam with glue Barley paper 31 Black of am with glue Barley paper 33 Solder Black wire jacket 34 Black wire jacket Red wire jacket 35 Black wire jacket White plastic plug USB cable White plastic plug White plastic plug 38 White plastic plug White plastic plug 40 White handle Solder 41 Micro metal plug Grey plastic plug 44 Metallic pogopin Metallic pogopin 45 Solder 47 White outer wire jacket 48 White outer wire jacket Conductor Red wire jacket				·
Company Company Company Company				
Conductor Conductor Conductor Conductor				
Thermistor				
Thermistor Enameled wire				
31 32 33 Solder Solder Black wire jacket Red wire jacket Re			Thermistor	
32 Barley paper 33 Solder 34 Black wire jacket 35 Red wire jacket 36 Conductor USB cable 37 USB metal plug 38 White plastic plug 40 White handle 41 Micro metal plug 42 Micro metal plug 43 Micro plug 44 Metal pin 45 Metal pin 45 Metal pin 46 White outer wire jacket 47 White outer wire jacket 48 Black wire jacket Conductor Red wire jacket				
Solder Solder Black wire jacket Red wire				
Battery Black wire jacket 35 Red wire jacket 36 Conductor USB cable 37 White plastic plug 38 White plastic plug 40 White handle 41 Micro metal plug 42 Micro metal plug 43 Grey plastic plug 44 Metal pin 45 Metallic pogopin 46 Solder 47 White outer wire jacket 48 Black wire jacket Conductor Red wire jacket				
Red wire jacket			Battery	
Conductor				
USB cable 37 38 White plastic plug 39 White plastic plug Metal pin 40 White handle 41 Solder 42 Micro metal plug 43 Grey plastic plug 44 Metal pin 45 Metallic pogopin 46 Solder 47 White outer wire jacket 48 Black wire jacket 49 Conductor 70 Red wire jacket				<u> </u>
USB metal plug White plastic plug				Conductor
White plastic plug Metal pin				LIOD
Metal pin White handle				
White handle Solder				1 1 0
Solder Solder Solder			USB plug	*
42 Micro metal plug 43 Grey plastic plug 44 Metal pin 45 Metallic pogopin 46 Solder 47 White outer wire jacket 48 Black wire jacket 49 Conductor 50 Red wire jacket				
Head of the second se				
44 Micro plug Metal pin 45 Metallic pogopin 46 Solder 47 White outer wire jacket 48 Black wire jacket 49 Conductor 50 Red wire jacket				
Metallic pogopin				
46 Solder 47 White outer wire jacket 48 Black wire jacket 49 Conductor 50 Red wire jacket			Micro plug	
47 White outer wire jacket 48 Black wire jacket 49 Conductor 50 Red wire jacket				
48 Black wire jacket 49 Conductor 50 Red wire jacket				
49 Conductor 50 Red wire jacket	47			-
50 Conductor Red wire jacket	48		Wire rod	Black wire jacket
	49		WIICIOU	Conductor
Difference	50			Red wire jacket
	Difference			



51			Red metallic shell	
52			Silver metallic shell	
53			Grey metallic shell	
54			Blue metallic shell	
55			Silver metallic shell	
56			Blue metallic shell	
57			Black metallic shell	
58			Red metallic shell	

Note: "---" = The test point exists alone in the sample and is not attached to the test module or test parts.



Note: N.D.=Not Detected (less than method detection limit), MDL = Method Detection Limit, 1mg/kg=0.0001% Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019/CNAS-GL015:2022.

2011/65/EU (RoHS) and its amendment directive (EU) 2015/863

- Pb, Cd, Hg, Cr⁶⁺, PBBs, PBDEs, DBP, BBP, DEHP, DIBP

- Pb, Cd, Hg, Cr ^{o+} , PBBs, PBDEs, DBP, BBF Test Item	Test Method/ Instrument	MDL	Maximum Limit
Lead (Pb)		/	1000mg/kg
Cadmium (Cd)		/	100mg/kg
Mercury (Hg)	IEC 62321-3-1:2013/ XRF	/	1000mg/kg
Total Chromium		/	/
Total Bromine		/	/
Chemistry Method	-	1	
Lead (Pb)	IEC 62321-5:2013/ ICP-OES	2mg/kg	1000mg/kg
Cadmium (Cd)	IEC 62321-5:2013/ ICP-OES	2mg/kg	100mg/kg
Mercury (Hg)	IEC 62321-4: 2013+A1:2017/ ICP-OES	2mg/kg	1000mg/kg
Non-metal: Hexavalent Chromium (Cr ⁶⁺)	IEC 62321-7-2:2017/ UV-Vis	8mg/kg	1000mg/kg
Metal: Hexavalent Chromium (Cr ⁶⁺)	IEC 62321-7-1:2015/ UV-Vis	0.1μg/cm ²	/
-Monobromobiphenyl (MonoBB) -Dibromobiphenyl (DiBB) -Tribromobiphenyl (TriBB) -Tetrabromobiphenyl (TetraBB) -Pentabromobiphenyl (PentaBB) -Hexabromobiphenyl (HexaBB) -Heptabromobiphenyl (HeptaBB) -Octabromobiphenyl (OctaBB) -Nonabromodiphenyl (NonaBB) -Decabromodiphenyl (DecaBB)	IEC 62321-6:2015/ GC-MS	Single 5mg/kg	Sum 1000mg/kg
PolybrominatedDiphenylethers (PBDEs) -Monobromodiphenyl ether (MonoBDE) -Dibromodiphenyl ether (DiBDE) -Tribromodiphenyl ether (TriBDE) -Tetrabromodiphenyl ether (TetraBDE) -Pentabromodiphenyl ether (PentaBDE) -Hexabromodiphenyl ether (HexaBDE) -Heptabromodiphenyl ether (HeptaBDE) -Octabromodiphenyl ether (OctaBDE) -Nonabromodiphenyl ether (NonaBDE) -Decabromodiphenyl ether (DecaBDE)	IEC 62321-6:2015/ GC-MS	Single 5mg/kg	Sum 1000mg/kg
Di-iso-butyl phthalate (DIBP)		50mg/kg	1000mg/kg
Dibutyl phthalate (DBP)		50mg/kg	1000mg/kg
Butylbenzyl phthalate (BBP)	IEC 62321-8:2017/ GC-MS	50mg/kg	1000mg/kg
Di-(2-ethylhexyl) Phthalate (DEHP)	_	50mg/kg	1000mg/kg



Test point	Test	t Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
		Pb	BL	/	
		Cd	BL	/	
]	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
1	Br	PBBs PBDEs	BL	/	Conformity
	D	IBP	N/A	N.D.	
)BP	N/A	N.D.	
		BP	N/A	N.D.	
		ЕНР	N/A	N.D.	
		Pb	BL	/	
		Cd	BL	/	
_		Hg	BL	/	
-		Cr ⁶⁺)	BL	/	
	CI(PBBs	DL	/	
2	Br	PBDEs	N/A	/	Conformity
	DIBP		N/A	/	
	DBP		N/A	/	
	BBP		N/A	/	
	DEHP		N/A	/	
	Pb		BL	/	
	Cd		BL	/	
	Hg		BL	/	
	$Cr(Cr^{6+})$		BL	/	
3	Br	PBBs PBDEs	BL	/	Conformity
	D	IBP	N/A	N.D.	
		BP	N/A	N.D.	
		BP	N/A	N.D.	
	DEHP		N/A	N.D.	
		Pb	BL	/	
		Cd	BL	/	
4	Hg		BL	/	†
			BL	/	
	$ \begin{array}{c c} Cr(Cr^{6^+}) \\ Br & PBBs \\ \hline & PBBF \end{array} $		BL	/	Conformity
·		PBDEs		/	Comorninty
	D	IBP	N/A	N.D.	
		BP	N/A	N.D.	
	В	BP	N/A	N.D.	
	D	ЕНР	N/A	N.D.	



Test point	Test	Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	Pb		BL	/	
	(Cd	BL	/	
		Ig	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
5	Br	PBBs	N/A	/	Conformity
3		PBDEs	IV/A	/	Comoninty
_		BP	N/A	/	
_		BP	N/A	/	
_		BP	N/A	/	
		EHP	N/A	/	
_		Pb Pb	BL	/	
_		Cd	BL	/	
		Ig	BL	/	
_	Cr(Cr ⁶⁺)	BL	/	
6	Br	PBBs	N/A	/	Conformity
		PBDEs		/	
_	DIBP		N/A	/	
	DBP		N/A	/	
	BBP		N/A	/	
		EHP	N/A	/	
_	Pb		BL	/	
	Cd		BL	/	
_	Hg		BL	/	
_	$Cr(Cr^{6+})$		BL	/	
7	Br	PBBs PBDEs	BL	/	Conformity
	DI	BP	N/A	N.D.	l
	DBP		N/A	N.D.	
	В	BP	N/A	N.D.	
	DE	ЕНР	N/A	N.D.	
	F	Pb	BL	/	
Ī	(Cd	BL	/	
	H	Ig	BL	/	
		Cr ⁶⁺)	BL	/	
o		PBBs	INI	N.D.	Conformit
8	Br PBDEs		IN	N.D.	Conformity
	DI	BP	N/A	N.D.	
Ī	D	BP	N/A	N.D.	
		BP	N/A	N.D.	
Ţ	DE	ЕНР	N/A	N.D.	



Test point	Test	Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	Pb		BL	/	
	C	Cd .	BL	/	
		[g	BL	/	
	Cr(C	Cr ⁶⁺)	BL	/	
9	Br	PBBs PBDEs	N/A	/	Conformity
	DI	BP	N/A	/	
		BP	N/A	/	
		BP	N/A	/	
		HP	N/A	/	
		'b	BL	/	
		<u></u> Zd	BL	/	
		<u>[g</u>	BL	/	
		Cr^{6+})	BL	/	
	•	PBBs		/	
10	Br	PBDEs	BL	/	Conformity
	DIBP		N/A	N.D.	
	DBP		N/A	N.D.	
	BBP		N/A	N.D.	
	DE	НР	N/A	N.D.	
	Pb		BL	/	
	Cd		BL	/	
	Нд		BL	/	
	Cr(Cr ⁶⁺)		BL	/	
11	Br	PBBs PBDEs	N/A	/	Conformity
	DI	BP	N/A	/	
	DBP		N/A	/	
		BP	N/A	/	
		HP	N/A	/	
		b	BL	/	
		Zd	BL	/	
	Hg		BL	/	
		Cr^{6+})	BL	/	
12	Br	PBBs PBDEs	N/A	/	Conformity
 	DI	BP	N/A	/	-
-		BP	N/A	/	
-		BP	N/A N/A	/	
		HP	N/A N/A	/	



Test point	Test	Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	P	b	BL	/	
	C	Cd	BL	/	
	H	Ig	BL	/	
	Cr(0	$\mathbb{C}r^{6+}$)	BL	/	
13	Br	PBBs PBDEs	BL	/	Conformity
_	DI	BP	N/A	N.D.	
		BP	N/A	N.D.	
		BP	N/A	N.D.	
		CHP	N/A	N.D.	
		Pb	BL	/	
_		Ed .	BL	/	
_		Ig	BL	/	
		Cr ⁶⁺)	BL	/	
	CI(C	PBBs	DL	/	
14	Br	PBDEs	N/A	/	Conformity
	DIBP		N/A	/	
	DBP		N/A	/	
	BBP		N/A	/	
	DE	НР	N/A	/	
	Pb		BL	/	
	Cd		BL	/	
	Hg		BL	/	
	Cr(Cr ⁶⁺)		BL	/	
15	Br	PBBs PBDEs	BL	/	Conformity
	DI	BP	N/A	N.D.	
		BP	N/A	N.D.	
		BP	N/A	N.D.	-
		EHP EHP	N/A	N.D.	
		b	BL	/	
		Cd	BL	/	
	Hg		BL	/	
		Cr^{6+}	BL	/	
16	Br	PBBs PBDEs	N/A	/	Conformity
-	DI	BP	N/A	/	1
-		BP	N/A	/	
		BP	N/A	/	
		CHP	N/A	/	



Test point	Test	Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	Pb		BL	/	
	C	Cd Cd	BL	/	
		Ig	BL	/	
	Cr(0	Cr ⁶⁺)	IN	N.D.	
17	Br	PBBs	N/A	/	Conformity
-	DI	PBDEs BP	N/A	/	
-		BP	N/A	/	
-		BP	N/A	/	
-		CHP	N/A	/	
				/	
-		<u>'b</u>	BL	/	
_		Cd .	BL	/	
_		<u>Ig</u>	BL	/	
-	Cr(C	Cr^{6+})	BL	/	
18	Br	PBBs PBDEs	BL	/	Conformity
	DIBP		N/A	N.D.	
_	DBP		N/A	N.D.	
	BBP		N/A	N.D.	
	DEHP		N/A	N.D.	
	Pb		BL	/	
_	Cd		BL	/	
_	Hg		BL	/	
_	$Cr(Cr^{6+})$		BL	/	
19	Br	PBBs PBDEs	BL	/	Conformity
	DI	BP	N/A	N.D.	
		BP	N/A	N.D.	
		BP	N/A	N.D.	-
	DEHP		N/A	N.D.	
		'b	BL	/	
		Cd	BL	/	
ļ —	Hg		BL	/	
		Cr^{6+}	BL	/	
20	Br	PBBs PBDEs	BL	/	Conformity
 	DI	BP	N/A	N.D.	
 		BP	N/A	N.D.	
 		BP	N/A	N.D.	
_		CHP	N/A	N.D.	



Test point	Test	Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	P	b	BL	/	
	C	Cd .	BL	/	
		[g	BL	/	
	Cr(0	Cr ⁶⁺)	BL	/	
21	Br	PBBs PBDEs	BL	/	Conformity
	DI	BP	N/A	N.D.	
-		BP	N/A	N.D.	
		BP	N/A	N.D.	
		HP	N/A	N.D.	
		'b	BL	/	
		<u></u> Zd	BL	/	
		lg	BL	/	
-		Cr ⁶⁺)	BL	/	
-		PBBs		,	
22	Br	PBDEs	BL	/	Conformity
	DIBP		N/A	N.D.	
	DBP		N/A	N.D.	
	BBP		N/A	N.D.	
	DE	НР	N/A	N.D.	
	Pb		BL	/	
	Cd		BL	/	
	Hg		BL	/	
	$Cr(Cr^{6+})$		BL	/	
23	Br	PBBs PBDEs	BL	/	Conformity
	DI	BP	N/A	N.D.	
_		BP	N/A	N.D.	
_		BP	N/A	N.D.	
	DEHP		N/A	N.D.	
		'b	BL	/	
		Zd	BL	/	
ļ —	Hg		BL	/	
		Cr^{6+})	BL	/	
24	Br	PBBs PBDEs	BL	/	Conformity
-	DI	BP	N/A	N.D.	
-		BP	N/A	N.D.	
-		BP	N/A	N.D.	
		HP	N/A	N.D.	



Test point	Test	Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	F	Pb	BL	/	
	(Cd	BL	/	
	F	Ig	BL	/	
		Cr ⁶⁺)	BL	/	
25		PBBs	27/4	/	G 6
25	Br	PBDEs	N/A	/	Conformity
	DI	BP	N/A	/	
	D	BP	N/A	/	
	В	BP	N/A	/	
	DE	ЕНР	N/A	/	
	F	Pb	BL	/	
	(Cd	BL	/	
	F	Ig	BL	/	
		Cr ⁶⁺)	BL	/	
26	, ,	PBBs	D.I.	N.D.	
26	Br	PBDEs	IN	N.D.	Conformity
	DI	BP	N/A	N.D.	
	DBP		N/A	N.D.	
	BBP		N/A	N.D.	
	DEHP		N/A	N.D.	
	Pb		BL	/	
	Cd		BL	/	
	Hg		BL	/	
	Cr(Cr ⁶⁺)		BL	/	
27	Br	PBBs PBDEs	BL	/	Conformity
	DI	BP	N/A	N.D.	
		BP	N/A	N.D.	
		BP	N/A	N.D.	
		ЕНР	N/A	N.D.	
		P b	BL	/	
		Cd	BL	/	
	Hg		BL	/	
		Cr ⁶⁺)	BL	/	
		PBBs		/	
28	Br	PBDEs	N/A	/	Conformity
	DI	BP	N/A	/	
		BP	N/A	/	
		BP	N/A	/	
-		EHP	N/A	/	



Test point	Test	Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	Pb		BL	/	
	(Cd	BL	/	
		łg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
20		PBBs	DI	/	C
29	Br	PBDEs	BL	/	Conformity
	D	IBP	N/A	N.D.	
	D	BP	N/A	N.D.	
	В	BP	N/A	N.D.	
	DI	EHP	N/A	N.D.	
]	Pb	BL	/	
	(Cd	BL	/	
	I	Нg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
20	ъ	PBBs	DI	/	
30	Br	PBDEs	BL	/	Conformity
	DIBP		N/A	N.D.	
-	DBP		N/A	N.D.	
	BBP		N/A	N.D.	
	DEHP		N/A	N.D.	
]	Pb	BL	/	
-	Cd		BL	/	
	Hg		BL	/	
-	$Cr(Cr^{6+})$		BL	/	
31	Br	PBBs PBDEs	BL	/	Conformity
	D	IBP	N/A	N.D.	
		BP	N/A	N.D.	
		BP	N/A	N.D.	
-	DEHP		N/A	N.D.	1
		Pb	BL	/	
			BL	/	
		Hg	BL	/	
		Cr ⁶⁺)	BL	/	
32	Br	PBBs PBDEs	BL	/	Conformity
-	D.	IBP	N/A	N.D.	
-		BP	N/A	N.D.	
-		BP	N/A	N.D.	
		EHP	N/A	N.D.	



Test point	Test	Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	Pb		BL	/	
	(Cd	BL	/	
	ŀ	Ig	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
33	Br	PBBs	NT/A	/	Conformity
33	Br	PBDEs	N/A	/	Conformity
	Dl	BP	N/A	/	
	D	BP	N/A	/	
	В	BP	N/A	/	
	DE	EHP	N/A	/	
	F	P b	BL	/	
	(Cd	BL	/	
	I	Ig	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
2.4	D	PBBs	BL	/	Conformity
34	Br	PBDEs		/	
	DIBP		N/A	N.D.	
	DBP		N/A	N.D.	
	BBP		N/A	N.D.	
	DE	ЕНР	N/A	N.D.	
	F	Pb	BL	/	
	Cd		BL	/	
	Hg		BL	/	
	$Cr(Cr^{6+})$		BL	/	
35	Br	PBBs PBDEs	BL	/	Conformity
_	Dl	BP	N/A	N.D.	
_	DBP BBP		N/A	N.D.	
			N/A	N.D.	
	DEHP		N/A	N.D.	
		P b	BL	/	
		Cd	BL	/	
	Hg		BL	/	
		Cr ⁶⁺)	BL	/	
36	Br	PBBs PBDEs	N/A	/	Conformity
-	ות	BP	N/A	/	
-		BP	N/A	/	
		BP	N/A	/	
-		он СНР	N/A N/A	/	



Test point	Test Item		X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	F	Pb	BL	/	
	(Cd	BL	/	
	I	Ig	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
37	Br	PBBs PBDEs	N/A	/	Conformity
_	DI	BP	N/A	/	
		BP	N/A	/	
		BP	N/A	/	
		EHP	N/A	/	
		Pb	BL	/	
		Cd Cd	BL	/	
		Ig	BL	/	
		Cr ⁶⁺)	BL	/	
	`	PBBs		/	
38	Br	PBDEs	BL	/	Conformity
	DIBP		N/A	N.D.	
	DBP		N/A	N.D.	
	BBP		N/A	N.D.	
	DEHP		N/A	N.D.	
	F	P b	BL	/	
	Cd		BL	/	
	Hg		BL	/	
	Cr(Cr ⁶⁺)		BL	/	
39	Br	PBBs PBDEs	N/A	/	Conformity
	Dl	BP	N/A	/	
		BP	N/A	/	
		BP	N/A	/	
	DEHP		N/A	/	
		P b	BL	/	
		Cd	BL	/	
	Hg		BL	/	1
		Cr ⁶⁺)	BL	/	
40	Br	PBBs PBDEs	BL	/	Conformity
-	DI	BP	N/A	N.D.	
		BP	N/A	168	
		BP	N/A	N.D.	
-		EHP	N/A	70	



Test point	Test Item		X-ray Fluorescence Spectrometry (XRF) mg/kg	Report No.: AGC0 Wet Chemistry Method mg/kg	Conclusion
	Pb		BL	/	
	(Cd	BL	/	
		łg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
41	Br	PBBs PBDEs	N/A	/	Conformity
_	Dì	IBP	N/A	/	
		BP	N/A	/	
		BP	N/A	/	
_		ЕНР	N/A	/	
		Pb	BL	/	
_		Cd	BL	/	
-			BL	/	
		Cr ⁶⁺)	IN	N.D.	
42	Br	PBBs PBDEs	N/A	/	Conformity
_	DIBP		N/A	/	
	DBP		N/A	/	
	BBP		N/A	/	
	DEHP		N/A	/	
		Pb	BL	/	
	Cd		BL	/	
	Hg		BL	/	
	Cr(Cr ⁶⁺)		BL	/	
43	Br	PBBs PBDEs	BL	/	Conformity
	Di	IBP	N/A	N.D.	
	DBP BBP		N/A	N.D.	
			N/A	N.D.	
	DEHP		N/A	N.D.	
		Pb	BL	/	
		Cd	BL	/	
		łg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
44	Br	PBBs PBDEs	N/A	/	Conformity
-	D)	IBP	N/A	/	\dashv
-		BP	N/A	,	
-		BP	N/A	/	
-		ЕНР	N/A	,	



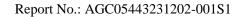
Test point	Test	Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	Pb		BL	/	
	(Cd	BL	/	
	H	Ig	BL	/	
	Cr(Cr ⁶⁺)	IN	N.D.	
45	Br	PBBs	NI/A	/	Conformity
43	Вľ	PBDEs	N/A	/	Conformity
	DI	BP	N/A	/	
	D	BP	N/A	/	
	В	BP	N/A	/	
	DE	ЕНР	N/A	/	
	F	Pb	BL	/	
	(Cd	BL	/	
	F	Ig	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
46		PBBs	27/4	/	
46	Br	PBDEs	N/A	/	Conformity
	DI	BP	N/A	/	
	DBP		N/A	/	
	BBP		N/A	/	
	DEHP		N/A	/	
		P b	BL	/	
		Cd Cd	BL	/	
	Hg		BL	/	
	Cr(Cr ⁶⁺)		BL	/	
47	Br	PBBs PBDEs	BL	/	Conformity
	DI	BP	N/A	N.D.	
		BP	N/A	N.D.	
		BP	N/A	N.D.	
	DEHP		N/A	N.D.	
		P b	BL	/	
	Cd		BL	/	
		Ig	BL	/	
		Cr^{6+})	BL	/	
48	Br	PBBs PBDEs	BL	/	Conformity
	DI	BP	N/A	N.D.	
		BP	N/A	N.D.	
		BP	N/A	N.D.	
-		EHP	N/A	N.D.	



Test point	Test Item		X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	Pb		BL	/	
	C	Cd	BL	/	
	H	[g	BL	/	
	Cr(C	Cr^{6+})	BL	/	
49	Br	PBBs PBDEs	N/A	/	Conformity
-	DI	BP	N/A	/	
		BP	N/A	/	
		BP	N/A	/	
-		HP	N/A	/	
		b	BL	/	
-		Zd	BL	/	
-		Ig	BL	/	
-		Cr ⁶⁺)	BL	/	
-		PBBs		/	
50	Br	PBDEs	BL	/	Conformity
	DIBP		N/A	N.D.	
	DBP		N/A	N.D.	
	BBP		N/A	N.D.	
	DEHP		N/A	N.D.	
	P	b	BL	/	
	Cd		BL	/	
	Нд		BL	/	
	Cr(Cr ⁶⁺)		BL	/	
51	Br	PBBs PBDEs	N/A	/	Conformity
	DIBP		N/A	/	
	D	BP	N/A	/	
	BBP		N/A	/	
	DEHP		N/A	/	
		b	BL	/	
		Cd	BL	/	
	Hg		BL	/	
		Cr^{6+})	BL	/	
52	Br	PBBs PBDEs	N/A	/	Conformity
-	DI	BP	N/A	/	
<u> </u>		BP	N/A	,	
<u> </u>		BP	N/A	/	
<u> </u>		HP	N/A	/	



Test point	Test	Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	Pb		BL	/	
	C	Cd	BL	/	
	H	Ig	BL	/	
	Cr(0	Cr ⁶⁺)	BL	/	
52		PBBs	27/4	/	G C :
53	Br	PBDEs	N/A	/	Conformity
	DI	BP	N/A	/	
	D:	BP	N/A	/	
	В	BP	N/A	/	
	DE	ЕНР	N/A	/	
	F	Pb	BL	/	
	C	Cd	BL	/	
	Н	Ig	BL	/	
		Cr ⁶⁺)	BL	/	
T	,	PBBs	27/4	/	
54	Br	PBDEs	N/A	/	Conformity
	DIBP		N/A	/	
	DBP		N/A	/	
	BBP		N/A	/	
	DEHP		N/A	/	
		P b	BL	/	
		Cd Cd	BL	/	
	Hg		BL	/	
	Cr(Cr ⁶⁺)		BL	/	
55	Br	PBBs PBDEs	N/A	/	Conformity
	DI	BP	N/A	/	
		BP	N/A	/	
		BP	N/A	/	
	DEHP		N/A	/	
		Pb	BL	/	
		Cd	BL	/	
	Hg		BL	/	
	Cr(Cr ⁶⁺)		BL	/	
<u> </u>		PBBs		/	
56	Br PBDE		N/A	/	Conformity
<u> </u>	DI	BP	N/A	/	1
<u> </u>		BP	N/A	/	
ļ		BP	N/A	/	
		EHP	N/A	/	





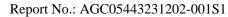
Test point	Test Item		X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
		Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
	Cr	(Cr^{6+})	BL	/	
57		PBBs	27/4	/	G 6 :
57	Br	PBDEs	N/A	/	Conformity
	DIBP		N/A	/	
	DBP		N/A	/	
	BBP		N/A	/	
	DEHP		N/A	/	
	Pb		BL	/	
	Cd		BL	/	
	Hg		BL	/	
	Cr(Cr ⁶⁺)		BL	/	
5 0		PBBs	27/4	/	a a :
58	Br	PBDEs	N/A	/	Conformity
	DIBP		N/A	/	
	DBP		N/A	/	
	I	BBP	N/A	/	
	D	ЕНР	N/A	/	

Test result of DIBP, DBP, BBP, DEHP on specimen Test point 47, Test point 48, Test point 50 were resubmitted on Dec. 14, 2023.

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>N/A</td><td>BL≤250-3σ<x< td=""></x<></td></x<>	N/A	BL≤250-3σ <x< td=""></x<>

Remark:

- (1) BL= Below Limit, OL= Over limited, IN = Inconclusive, Scanning by XRF and detected by chemical method, N/A = Not applicable.
- (2) Results were obtained by XRF for primary scanning, 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 above warning value.





- (3) The XRF scanning test for RoHS elements The reading may be different to the actual content in the sample be of non-uniformity composition.
- (4) Boiling-water-extraction:(X represents the results of the tested sample)

Number	Colorimetric result (Cr(VI) concentration)	Judgement
1	$X < 0.1 \mu g/cm^2$	Negative
2	$0.1 \mu g/cm^2 \le X \le 0.13 \mu g/cm^2$	Uncertainty
3	$X > 0.13 \mu g/cm^2$	Positive

Negative indicates the absence of Cr(VI) on the tested areas concentration is below the limit of quantification. The coating is considered a non-Cr(VI) based coating.

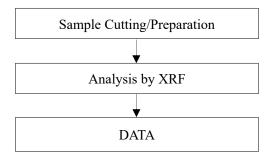
Uncertainty indicates the absence of Cr(VI) on the tested areas unavoidable coating variations may influence the determination.

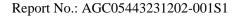
Positive indicates the presence of Cr(VI) on the tested areas concentration is above the limit of quantification and the statistical margin of error. The sample coating is considered to contain Cr(VI).

Storage conditions and production date of the tested sample are unavailable and thus result of Cr(VI) represent status of the sample at the time of testing.

(5) Disclaimers: This XRF Scanning 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 scanning 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.

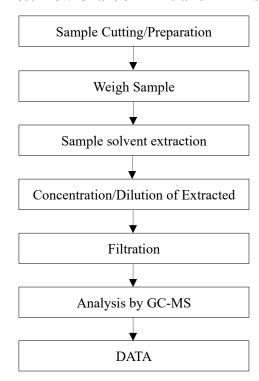
Test Flow Chart of XRF

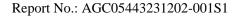






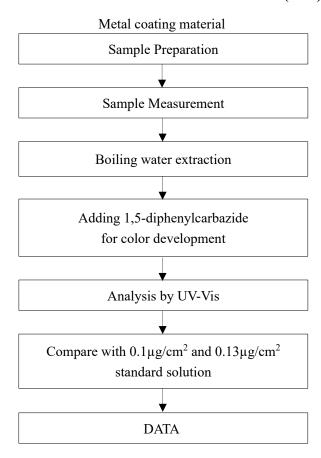
Test Flow Chart of PBBs and PBDEs

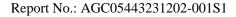






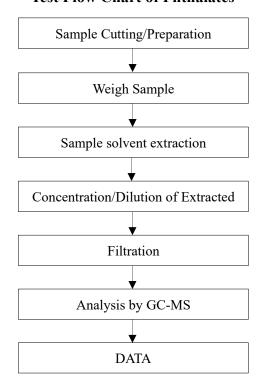
Test Flow Chart of Hexavalent Chromium (Cr6+)







Test Flow Chart of Phthalates





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- 1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Std & Tech Co., Ltd. (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the "Clients").
- 2. Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.
- 3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
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- 5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
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*** End of Report ***