

# **Test Report**

Report No. : AGC05443220930-001

- **SAMPLE NAME** : Portable selfie ring light
- MODEL NAME : MO6742
- **APPLICANT** : MID OCEAN BRANDS B.V
- **STANDARD(S)** : Please refer to the following page(s).
- **DATE OF ISSUE** : Nov. 07, 2022





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	:	Portable selfie ring light
Model	:	MO6742
Vendor code	:	106613
Country of Origin	:	CHINA
Country of Destination	:	EUROPE
Sample Received Date	:	Sep. 22, 2022
Testing Period	:	Sep. 22, 2022 to Nov. 04, 2022
Test Requested	:	Selected test(s) as requested by client.

#### **Test Requested:**

#### Conclusion

Pass

2011/65/EU (RoHS) and its amendment directive (EU) 2015/863 - Pb, Cd, Hg, Cr<sup>6+</sup>, PBBs, PBDEs, DBP, BBP, DEHP, DIBP

Approved by : Jossie ling

Liangdan, Jessie.Liang

Technical Director

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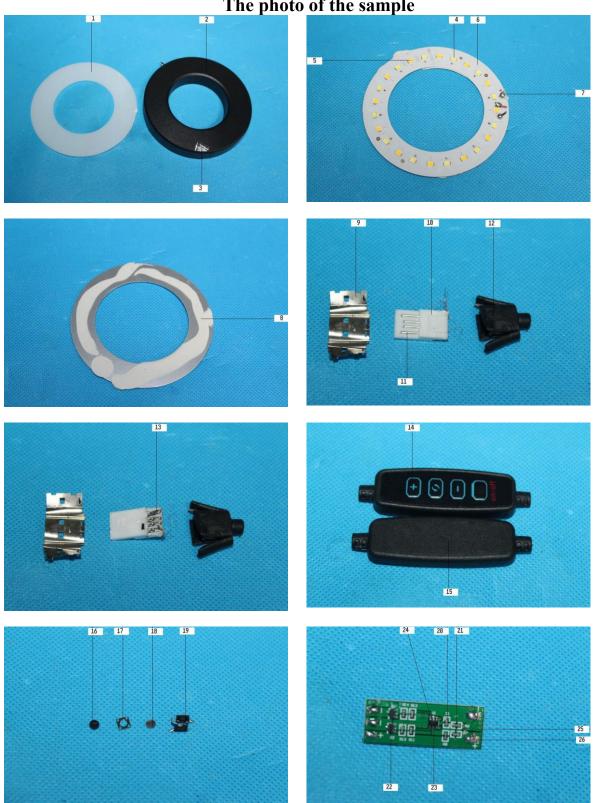
Attestation of Global Compliance(Shenzhen)Co., Ltd Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd Tel: +86-755 2523 4088 E-mail: agc@agccert.com Web: http://www.agccert.com/



#### Report Revise Record

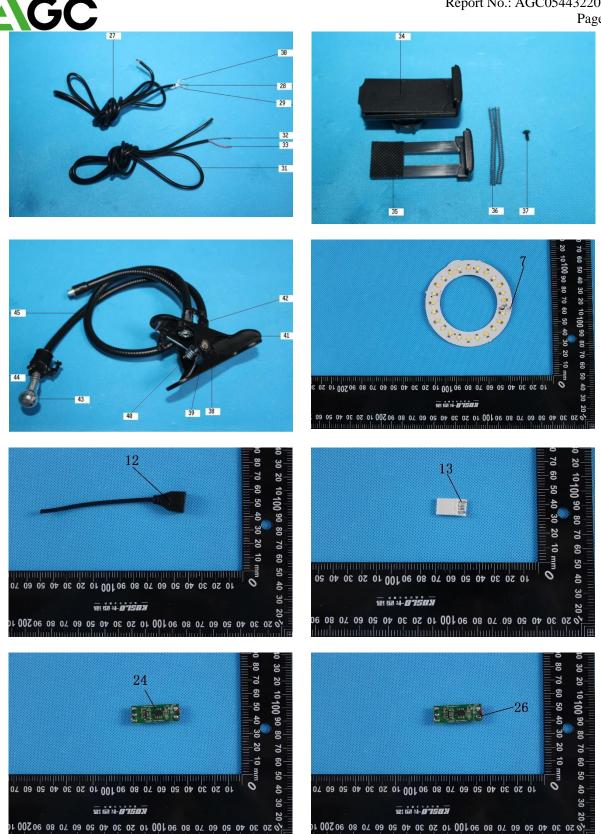
Report Version	Issued Date	Valid Version	Notes					
/	Nov. 07, 2022	Valid	Initial release					





The photo of the sample

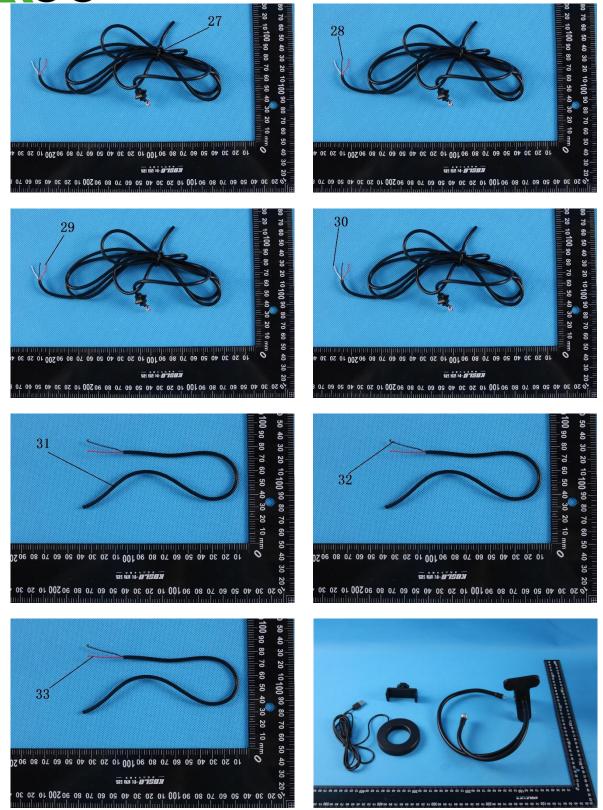
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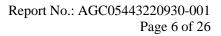
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#### **Test Point Description**

Test point	Test module	Test parts	Test point description
Portable sel	fie ring light Mode	el: MO6742	
1			Milk white plastic lampshade
2		Outer shell	Black baking paint
3			Metallic shell
4			Chip yellow LED
5			Chip orange LED
6		Lamp board	Metal aluminum plate
7			Solder
8			White glue
9			USB metal plug
10			White plastic plug
11		USB plug	Pin
12			Black handle
13			Solder
14		Case for voice	Black plastic sheet
15		controller	Black plastic shell
16			Black plastic button
17		Switch	Metallic shell
18		Switch	Metallic shrapnel
19			Black plastic base
20			Chip capacitor
21	Circuit board		Chip resistor
22			Chip triode
23			IC body
24			Tinning
25			PCB
26			Solder
27			Black outer wire jacket
28			Black wire jacket
29			Red wire jacket
30		Wire rod	White wire jacket
31			Black outer wire jacket
32			Black wire jacket
33			Red wire jacket
34			Black plastic shell
35		Telescopic frame	Black rubber sheet
36		relescopic frame	Metal spring
37			Black screw
38		Clin	Metallic clip
39		— Clip	Metallic screw

AC	<b>BC</b> <sup>®</sup>	Report No.: AGC05443220930-001 Page 7 of 26
40		Metallic circlip
41		Black foam with glue
42		Metal threaded ring
43		Metal head
44		Metallic elbow
45		Black bushing

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 %= percentage (W/W)

# <u>2011/65/EU (RoHS) and its amendment directive (EU) 2015/863</u> <u>- Pb, Cd, Hg, Cr<sup>6+</sup>, PBBs, PBDEs, DBP, BBP, DEHP, DIBP</u>

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			
Lead (Pb)	IEC 62321-5:2013/ ICP-OES	10mg/kg	1000mg/kg
Cadmium (Cd)	IEC 62321-5:2013/ ICP-OES	10mg/kg	100mg/kg
Mercury (Hg)	IEC 62321-4: 2013+A1:2017/ ICP-OES	10mg/kg	1000mg/kg
Non-metal Hexavalent Chromium (Cr <sup>6+</sup> )	IEC 62321-7-2:2017/ UV-Vis	8mg/kg	1000mg/kg
Metal Hexavalent Chromium (Cr <sup>6+</sup> )	IEC 62321-7-1:2015/ UV-Vis	0.1µg/cm <sup>2</sup>	/
Polybrominated Biphenyls (PBBs) -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	Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	Р	'b	BL	/	
	C	Cd	BL	/	
	Н	[g	BL	/	
	Cr(0	Cr <sup>6+</sup> )	BL	/	
1	Br	PBBs PBDEs	BL	/	Conformity
	DI	BP	N/A	N.D.	
		BP	N/A	N.D.	
		BP	N/A	N.D.	
	DE	HP	N/A	N.D.	
	Р	Ъ	BL	/	
	C	Cd	BL	/	
	Н	lg	BL	/	
		$Cr^{6+}$	BL	/	
2	Br	PBBs PBDEs	BL	/	Conformity
	DIBP DBP BBP		N/A	N.D.	
			N/A	N.D.	
			N/A	N.D.	
	DEHP		N/A	N.D.	
	Pb		BL	/	
	Cd		BL	/	
	Hg		BL	/	
	Cr(Cr <sup>6+</sup> )		BL	/	
3	Br	PBBs PBDEs	N/A	/	Conformity
	DI	BP	N/A	/	
	D	BP	N/A	/	
		BP	N/A	/	
	DE	THP	N/A	/	
	Р	Ъ	BL	/	
	C	Cd	BL	/	
	Н	lg	BL	/	
	Cr(C	Cr <sup>6+</sup> )	BL	/	
4	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
	Pb		BL	/	
	(	Cd	BL	/	
	ŀ	łg	BL	/	
		Cr <sup>6+</sup> )	BL	/	
5	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.	
		2b	BL	/	
		Cd	BL	/	
		-lg	BL	/	
		$Cr^{6+}$	BL	/	
		PBBs		/	
6	Br	PBDEs	- N/A	/	Conformity
	D	IBP	N/A	/	
		BP	N/A	/	
	BBP		N/A	/	
	DEHP		N/A	/	
		2b	BL	/	
	Cd		BL	/	
	Hg		BL	/	
	Cr(Cr <sup>6+</sup> )		BL	/	
7	Br	PBBs PBDEs	N/A	/	Conformity
	D	IBP	N/A	/	
		BP	N/A	/	
		BP	N/A	/	
		EHP	N/A	/	
		Pb	BL	/	
		Cd	BL	/	
		łg	BL	/	
-		<u>Cr<sup>6+</sup>)</u>	BL	/	
8	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
	I	Ъ	BL	/	
	(	Cd	BL	/	
	ŀ	łg	BL	/	
	Cr(	Cr <sup>6+</sup> )	BL	/	
9	Br	PBBs PBDEs	N/A	/	Conformity
	D	BP	N/A	/	
	D	BP	N/A	/	
		BP	N/A	/	
		EHP	N/A	/	
		Ъ	BL	/	
		Cd	BL	/	
		łg	BL	/	
		<u>Cr<sup>6+</sup>)</u>	BL	/	
		PBBs		/	
10	) Br	PBDEs	BL	/	Conformity
	DIBP		N/A	N.D.	
	DBP		N/A	N.D.	
	BBP		N/A	N.D.	
	DEHP		N/A	N.D.	
		°b	BL	/	
	Cd		BL	/	
	Hg		BL	/	
	Cr(Cr <sup>6+</sup> )		BL	/	
11	Br	PBBs PBDEs	N/A	/	Conformity
	D	BP	N/A	/	
	D	BP	N/A	/	
		BP	N/A	/	
	DF	EHP	N/A	/	
		Ъ	BL	/	
		Cd	BL	/	
	ŀ	Ig	BL	/	
		Cr <sup>6+</sup> )	BL	/	
12	Br PBBs PBDEs		BL	/ /	Conformity
	D	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
	Р	'b	BL	/	-
	C	d	BL	/	
	Н	[g	BL	/	
	Cr(0	Cr <sup>6+</sup> )	BL	/	
13	Br	PBBs PBDEs	N/A	/	Conformity
	DI	BP	N/A	/	
	D		N/A	/	
	BI		N/A	/	
	DE		N/A	/	
	Р		BL	/	
		d	BL	/	
	Н	[g	BL	/	
	Cr(C		BL	/	
		PBBs		/	
14	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		BL	/	
	Cd		BL	/	
	Н		BL	/	
	Cr(Cr <sup>6+</sup> )		BL	/	
15	Br	PBBs PBDEs	BL	/	Conformity
	DI		N/A	N.D.	
	D	BP	N/A	137	
	BI		N/A	N.D.	
		HP	N/A	616	
	Р		BL	/	
		d	BL	/	
	Н	[g	BL	/	
-	Cr(C		BL	/	
16	Br PBBs PBDEs		BL	/	Conformity
	DI		N/A	N.D.	
		BP	N/A	N.D.	
		3P	N/A	N.D.	
		НР	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	/	
	Hg		BL	/	
	Cr(Cr <sup>6</sup>	5+)	BL	/	
17	Br	PBBs PBDEs	N/A	/	Conformity
	DIBI		N/A	/	
	DBP		N/A	/	
	BBP		N/A	/	
	DEH		N/A	/	
	Pb		BL	/	
	Cd		BL	/	
	Hg		BL	/	
	Cr(Cr <sup>6</sup>	<u>(</u> )	IN	N.D.	
18	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 <sup>6</sup>	5+)	BL	/	
19	Br	PBBs PBDEs	BL	/	Conformity
	DIBI		N/A	N.D.	
	DBP		N/A	N.D.	
	BBP		N/A	N.D.	
	DEH		N/A	N.D.	
	Pb		BL	/	
	Cd		BL	/	
	Hg		BL	/	
	Cr(Cr <sup>6</sup>	<sup>5+</sup> )	BL	/	
20	Br PBBs PBDEs		BL	/	Conformity
	DIBI		N/A	N.D.	
	DBP		N/A	N.D.	
	BBP		N/A	N.D.	
	DEH		N/A	N.D.	



Test point	Test Item		X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	I	Ъ	BL	/	
	(	Cd	BL	/	
	H	łg	BL	/	
	Cr(	Cr <sup>6+</sup> )	BL	/	
21	Br	PBBs PBDEs	BL	/	Conformity
	D	BP	N/A	N.D.	
	D	BP	N/A	N.D.	
	B	BP	N/A	N.D.	
	DF	EHP	N/A	N.D.	
	I	Ъ	BL	/	
	(	Cd	BL	/	
	ŀ	Ig	BL	/	
		Cr <sup>6+</sup> )	BL	/	
22	Br	PBBs PBDEs	BL	/	Conformity
	DIBP		N/A	N.D.	
	DBP		N/A N/A	N.D.	
·	BBP		N/A N/A	N.D.	
	DEHP		N/A N/A	N.D.	
			BL	N.D.	
	Pb Cd		BL	/	
			BL	/	
	Hg Cr(Cr <sup>6+</sup> )		BL	/	
23	Br	PBBs PBDEs	BL		Conformity
	D	BP	N/A	N.D.	
		BP	N/A	N.D.	
		BP	N/A	N.D.	
		EHP	N/A	N.D.	
		рь	BL	/	
		Cd	BL	/	
-		łg	BL	/	
		$Cr^{6+}$	BL	/	
24	Br PBBs PBDEs		N/A	/	Conformity
ŀ	וח	BP	N/A	/	
ŀ			N/A N/A	/	
	DBP BBP			/	
			N/A	/	



Test point	Test	Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	I	Ъ	BL	/	
	(	Cd	BL	/	
	H	Ig	BL	/	
	Cr(	Cr <sup>6+</sup> )	BL	/	
25	D.	PBBs	INI	N.D.	Conformity
25	Br	PBDEs	IN	N.D.	
	D	BP	N/A	N.D.	
	D	BP	N/A	N.D.	
	В	BP	N/A	N.D.	
	DE	EHP	N/A	N.D.	
	I	°b	BL	/	
	(	Cd	BL	/	
		Ig	BL	/	
	Cr(	Cr <sup>6+</sup> )	BL	/	
26	Br	PBBs	N/A	/	Conformity
	PBDEs		NT/A	/	
	DIBP		N/A	/	
	DBP		N/A N/A	/	
	BBP DEHP			/	
		инг Рb	N/A BL	/	
		Cd		/	
			BL BL	/	
		Ig	BL BL	/	
27	Br	Cr <sup>6+</sup> ) PBBs	BL	/	Conformity
		PBDEs		/	
		BP	N/A	N.D.	
		BP	N/A	N.D.	
	BBP		N/A	N.D.	
		EHP	N/A	N.D.	
		<u>b</u>	BL	/	
		Cd	BL	/	
		Ig	BL	/	
	Cr(	Cr <sup>6+</sup> )	BL	/	
28	Br PBBs PBDEs		BL /		Conformity
	DIBP		N/A	N.D.	
	D	BP	N/A	N.D.	
	BBP		N/A	N.D.	
	DE	EHP	N/A	N.D.	



Test point	Test	Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	F	Ъ	BL	/	
	0	Cd	BL	/	
	H	Ig	BL	/	
	Cr(0	Cr <sup>6+</sup> )	BL	/	
29	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	/	
		Cd	BL	/	
		Ig	BL	/	
		$Cr^{6+}$	BL	/	
20		PBBs		/	
30	Br	PBDEs	BL	/	Conformity
	DIBP		N/A	N.D.	
	D	BP	N/A	N.D.	
	B	BP	N/A	N.D.	
	DE	CHP	N/A	N.D.	
	F	b	BL	/	
	0	Cd	BL	/	
	H	lg	BL	/	
	Cr(0	Cr <sup>6+</sup> )	BL	/	
31	Br	PBBs PBDEs	BL	/ /	Conformity
	DI	BP	N/A	N.D.	
	D	BP	N/A	N.D.	
	B	BP	N/A	N.D.	
	DE	CHP	N/A	N.D.	
	F	b	BL	/	
	(	Cd	BL	/	
	H	Ig	BL	/	
		Cr <sup>6+</sup> )	BL	/	
32	Br	PBBs PBDEs	BL	/ /	Conformity
	DIBP		N/A	N.D.	1
	DBP		N/A	N.D.	
	BBP		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
	Pb		BL	/	
	(	Cd	BL	/	
	]	Hg	BL	/	
	Cr(	Cr <sup>6+</sup> )	BL	/	
33	Br	PBBs PBDEs	BL	/	Conformity
-	D	IBP	N/A	N.D.	
-		BP	N/A	N.D.	
F		BP	N/A	N.D.	
-		EHP	N/A	N.D.	
	]	Pb	BL	/	
-	(	Cd	BL	/	
-		Hg	BL	/	
		$\overline{(Cr^{6^+})}$	BL	/	
		PBBs		N.D.	Conformity
34	Br	PBDEs	IN	40	
	DIBP		N/A	N.D.	
-		BP	N/A	N.D.	
-		BP	N/A	N.D.	
	DEHP		N/A	N.D.	
		Pb	BL	/	
-		Cd	BL	/	
-		Hg	BL	/	
	Cr(Cr <sup>6+</sup> )		BL	/	
35	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.	
		Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
		Cr <sup>6+</sup> )	BL	/	
36	Br	PBBs PBDEs	N/A	/	Conformity
	DIBP		N/A	/	
ŀ		BP	N/A	/	
-			N/A	/	
	BBP DEHP		1 1/21	1	4



Test point	Test	Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	I	Pb	BL	/	
	(	Cd	BL	/	
	H	łg	BL	/	
		Cr <sup>6+</sup> )	BL	/	
37	Br	PBBs PBDEs	N/A	/	Conformity
	D	IBP	N/A	/	
		BP	N/A	/	
		BP	N/A	/	
		EHP	N/A	/	
		Pb	BL	/	
		Cd	BL	/	
		łg	BL	/	
		<u>Cr<sup>6+</sup>)</u>	BL	/	
38	Br	PBBs PBDEs	N/A	/	Conformity
	DIBP		N/A	/	
	DIBP		N/A N/A	/	
	BBP		N/A N/A	/	
	DEHP		N/A N/A	/	
		2b	BL	/	
		Cd	BL	/	
			BL	/	
	Hg Cr(Cr <sup>6+</sup> )		BL	/	
39	Br	PBBs PBDEs	N/A	/	Conformity
	D	IBP	N/A	/	
	DBP		N/A	/	
		BP	N/A	/	-
		EHP	N/A	/	
		Pb	BL	/	
		Cd	BL	/	
		łg	BL	/	
		<u>Cr<sup>6+</sup>)</u>	BL	/	
40	Br PBDEs DIBP		N/A	/	Conformity
			N/A	/	
	DBP		N/A	/	
	BBP		N/A	/	
		EHP	N/A	/	



Test point	Test Item		X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	F	°b	BL	/	
	C	Cd	BL	/	
	H	Ig	BL	/	
	Cr(	Cr <sup>6+</sup> )	BL	/	
41	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.	
		°b	BL	/	
		Cd	BL	/	
		Ig	BL	/	
		<u>Cr<sup>6+</sup>)</u>	BL	/	
42	Br	PBBs PBDEs	N/A	/	Conformity
			N/A	/	
	DIBP DBP		N/A N/A	/	
	BBP		N/A N/A	/	
	DEHP		N/A N/A	/	
		инг Рb	BL	/	
		Cd	BL BL	/	
			BL	/	
	Hg Cr(Cr <sup>6+</sup> )		BL BL	/	
43	Br	PBBs PBDEs	N/A	/	Conformity
			N/A	/	
	DIBP DBP		N/A N/A	/	
			N/A N/A	/	
	BBP DEHP		N/A N/A	/	
		улг Ур	BL	/	
		Cd	BL	/	
		Ig	BL	/	
		$Cr^{6+}$	BL	/	
44	Br	PBBs	N/A	/	Conformity
	PBDEs			/	5
		BP	N/A	/	-
		BP	N/A	/	
		BP	N/A	/	
	DEHP		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	/	
45	Br PBBs PBDEs	PBBs	BL	/	Conformity
43		DL	/	Conformity	
	DIBP DBP		N/A		N.D.
			N/A	N.D.	
	E	BBP	N/A	N.D.	
	DEHP		N/A	N.D.	

Test result of Pb, Cd, Hg, Total Chromium on specimen No.7,No.13,No.24,No.26 were resubmitted on Nov.01, 2022. Test result of Pb, Cd, Hg, Total Chromium, DIBP, DBP, BBP, DEHP on specimen No.12,No.27,No.28,No.29, No.30,No.31,No.32,No.33 were resubmitted on Nov.01, 2022.



Element	Unit	Non-metal	Metal	Composite Material
Cd	mg/kg	BL≤70-3σ <x &lt;130+3σ≤OL</x 	BL≤70-3σ <x &lt;130+3σ≤OL</x 	BL≤50-3σ <x &lt;150+3σ≤OL</x 
Pb	mg/kg	BL≤700-3σ <x &lt;1300+3σ≤OL</x 	BL≤700-3σ <x &lt;1300+3σ≤OL</x 	BL≤500-3σ <x &lt;1500+3σ≤OL</x 
Hg	mg/kg	BL≤700-3σ <x &lt;1300+3σ≤OL</x 	BL≤700-3σ <x &lt;1300+3σ≤OL</x 	BL≤500-3σ <x &lt;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	$X \le 0.1 \mu g/cm^2$	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).

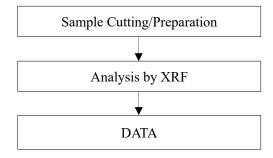
Storage conditions and production date of the tested sample are unavailable and thus result of Cr(VI) represent status of the sample at the time of testing.

(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.

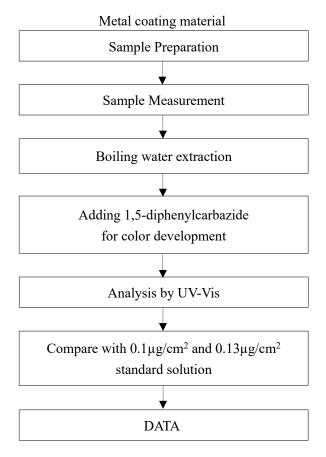
The result shown in this XRF scanning report will differ based on various factors, including but not limited to, the sample size, thickness, area, surface flatness, equipment parameters and matrix effect (e.g. plastic, rubber, metal, glass, ceramic etc.). Further wet chemical pre-treatment with relevant chemical equipment analysis are required to obtain quantitative data.



# **Test Flow Chart of XRF**

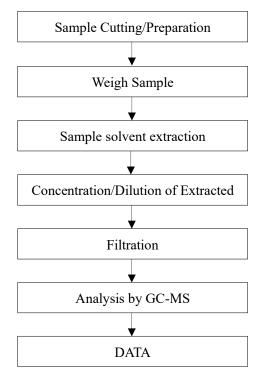


## Test Flow Chart of Hexavalent Chromium (Cr<sup>6+</sup>)

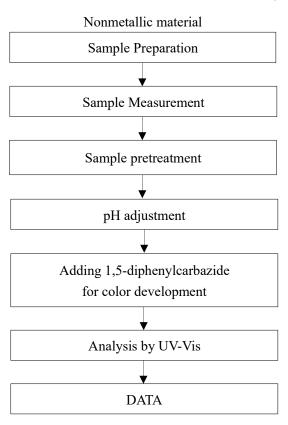




## **Test Flow Chart of PBBs and PBDEs**

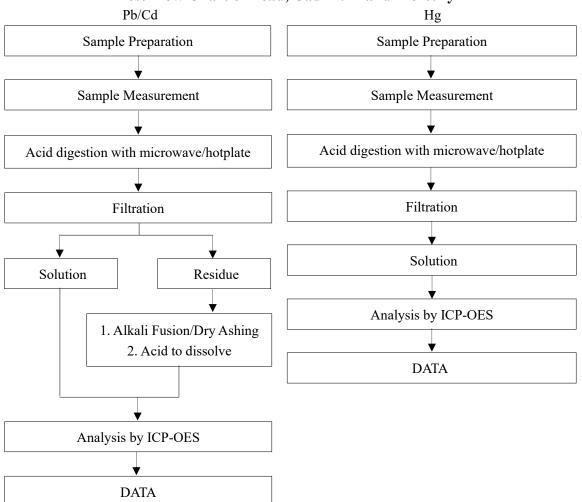






# Test Flow Chart of Hexavalent Chromium (Cr<sup>6+</sup>)

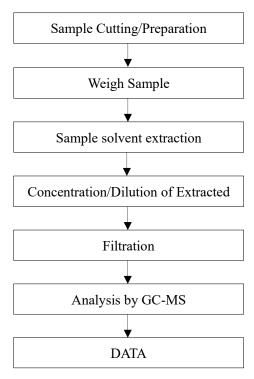




Test Flow Chart of Lead, Cadmium and Mercury

These sample were dissolved totally by pre-conditioning method according to above flow chart

### **Test Flow Chart of Phthalates**



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



# Conditions of Issuance of Test Reports

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.

4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.

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.

6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.

7. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.

8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.

9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.