



# **RoHS Test Report**

Report No. : AGC12440250101-002

**SAMPLE NAME**: WIRELESS SPEAKER

**MODEL NAME** : MO6819/MO6818

**APPLICANT**: Mid Ocean Brands B.V.

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

**DATE OF ISSUE** : Mar. 25, 2025

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





Applicant : Mid Ocean Brands B.V.

Address : 7/F.,King Tower,111King Lam Street,Cheung ShaWan,Kowloon,HongKong.

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 : WIRELESS SPEAKER Model : MO6819/MO6818

Series Model : MO9608/MO9609/MO6428/MO6219

Manufacturer : Mid Ocean Brands B.V.

Address : 7/F.,King Tower,111King Lam Street,Cheung ShaWan,Kowloon,HongKong.

Factory : Mid Ocean Brands B.V.

Address : 7/F.,King Tower,111King Lam Street,Cheung ShaWan,Kowloon,HongKong.

Sample Received Date : Mar. 10, 2025

Testing Period : Mar. 10, 2025 to Mar. 17, 2025

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, Cr<sup>6+</sup>, PBBs, PBDEs, DBP, BBP, DEHP, DIBP

Pass

Report No.: AGC12440250101-002

Approved by: Len

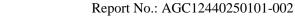
Suhongliang, Leon

**Technical Director** 



Report Revise Record

Report Version	Issued Date	Valid Version	Notes
/	Mar. 25, 2025	Valid	Initial release



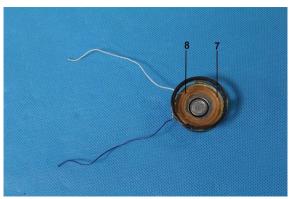


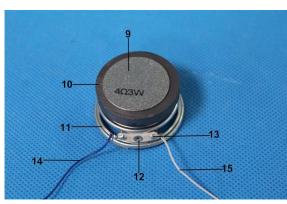
The photo of the sample

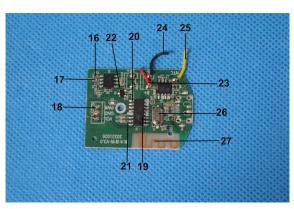


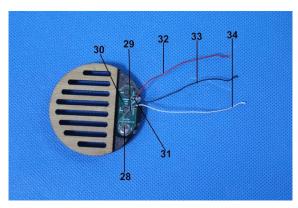


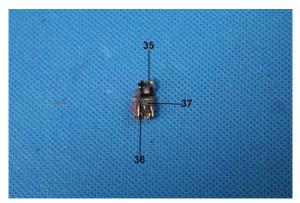






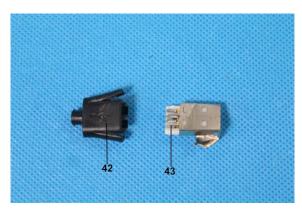


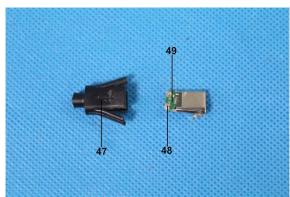


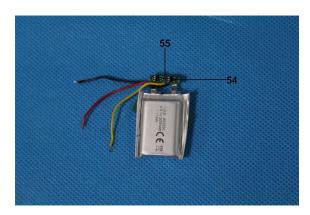


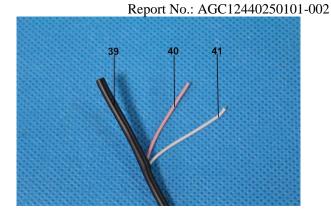


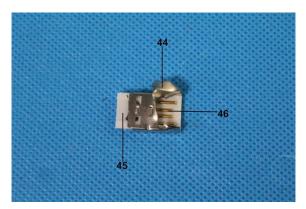


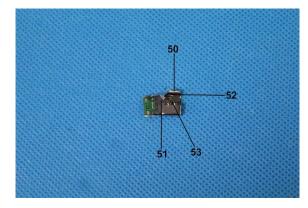


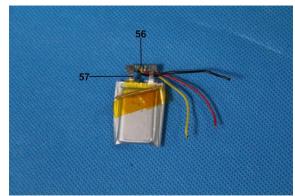




















05 00t 120 00t

The photo provided by the customer

The photo of AGC12440250101-002 is for use only with the original report.

### **Test Point Description**

Test point	Test module	Test parts	Test point description	
WIRELESS	SPEAKER Model	: MO6819		
1			Black plastic shell	
2		Outer shell	Black silicone pad	
3			Transparent label	
4			Yellow paper	
5		Diaphragm	Enameled wire	
6			Black rubber diaphragm	
7			Yellow damper	
8			Metal connector	
9	Horn		Tiron	
10			Black magnet	
11			Metallic stand	
12			Metal rivet	
13			Solder	
14			Blue wire jacket	
15			White wire jacket	
16			Chip resistor	
17	Circuit board		Chip capacitor	
18			Solder	



			Report No.: AGC12440230101-002
19			IC body
20	]	IC	Metal pin
21	]		Solder at the pins
22	1		Chip triode
23	1		Red wire jacket
24			Black wire jacket
25	1		Yellow wire jacket
26	]		Crystal oscillator
27	]		PCB
28			Silver metallic shrapnel
29			Transparent tape
30			PCB
31		Key plate	Solder
32			Red wire jacket
33			Black wire jacket
34			White wire jacket
35			Silver metal socket
36		Type-C Socket	Grey plastic
37			Metal pin
38			Silver metal screw
39			Black outer wire jacket
40		Wire rod	Pink wire jacket
41			White wire jacket
42	]		Black handle
43			Solder
44		USB plug	Silver metal socket
45			White plastic
46	Data cable		Metal pin
47			Black handle
48			Solder
49			PCB
50		Type-C plug	Silver metal plug
51			Deep grey plastic
52			Metallic pogopin
53			Metal pin
54			Chip IC
55		Dattamy	PCB
56		Battery	Solder
57			Metal guide
58		Outer shell	Yellow sawdust soft shell
M06818( Dif	fference )		
59		Outer shell	Yellow wooden hard shell
NT 4 11 11 7T			

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



#### **Test Results:**

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, Cr<sup>6+</sup>, PBBs, PBDEs, DBP, BBP, DEHP, DIBP

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	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 <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	0.1 μg/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	C12440250101-0
	]	Pb	BL	/	
	(	Cd	BL	/	
Нұ			BL	/	
	Cr(	Cr <sup>6+</sup> )	BL	/	
1	Br	PBBs PBDEs	BL	/	Conformity
	D	IBP	N/A	N.D.	
		BP	N/A	N.D.	
	В	BP	N/A	N.D.	
	DI	ЕНР	N/A	N.D.	
	]	Pb	BL	/	
Ţ		Cd	BL	/	
	I	Нg	BL	/	
		Cr <sup>6+</sup> )	BL	/	
2	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 <sup>6+</sup> )		BL	/	
3		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	/	
ļ		Cd	BL	/	
	I	Нg	BL	/	
		Cr <sup>6+</sup> )	BL	/	
4	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.	



Test point	Test Item		X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	]	Pb	BL	/	
	(	Cd	BL	/	
	I	Нg	BL	/	
		Cr <sup>6+</sup> )	BL	/	
<u></u>		PBBs	DI	/	
5	Br	PBDEs	BL	/	Conformity
	D	IBP	N/A	N.D.	
	D	BP	N/A	N.D.	
	В	BP	N/A	N.D.	
	DI	ЕНР	N/A	N.D.	
	]	Pb	BL	/	
ļ		Cd	BL	/	
	I	Hg	BL	/	
		Cr <sup>6+</sup> )	BL	/	
_		PBBs		/	Conformity
6	Br	PBDEs	BL	/	
	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	/	
7	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	/	1
		Hg	BL	/	
		<u>-s</u> Cr <sup>6+</sup> )	BL	/	
		PBBs		/	
8	Hr -	PBDEs	N/A	/	Conformity
	D	IBP	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	C12440250101-0
		Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
	Cr(	$(Cr^{6+})$	BL	/	
9	Br	PBBs PBDEs	N/A	/	Conformity
	D	IBP	N/A	/	
		)BP	N/A	/	
	E	BBP	N/A	/	
	D:	ЕНР	N/A	/	
		Pb	BL	/	
		Cd	BL	/	
	]	Hg	BL	/	
		(Cr <sup>6+</sup> )	BL	/	
10	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 <sup>6+</sup> )		BL	/	
11	Br	PBBs PBDEs	N/A	/	Conformity
-	D	IBP	N/A	/	
		)BP	N/A	/	
		BBP	N/A	/	
	DEHP		N/A	/	
		Pb	BL	/	
		Cd	BL	/	
	Hg		BL	/	
		$(Cr^{6+})$	BL	/	
12	Br PBBs PBDEs		N/A	/	Conformity
	D	IBP	N/A	/	
		)BP	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
	Pb		BL	/	
	(	Cd	BL	/	
		-Ig	BL	/	
	Cr(	Cr <sup>6+</sup> )	BL	/	
12		PBBs	DT/A	/	C C :
13	Br	PBDEs	N/A	/	Conformity
	D	IBP	N/A	/	
	D	BP	N/A	/	
	В	BP	N/A	/	
	Dl	EHP	N/A	/	
	]	Pb	BL	/	
	(	Cd	BL	/	
	]	Нg	BL	/	
	Cr(	Cr <sup>6+</sup> )	BL	/	
1.4	D	PBBs	DI	/	Conformity
14	Br	PBDEs	BL	/	
	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	/	
15	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	/	
			BL	/	1
		Hg	BL	/	
		Cr <sup>6+</sup> )	BL	/	
16	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.	



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(0	Cr <sup>6+</sup> )	BL	/	
1.7		PBBs	DI	/	G C :
17	Br	PBDEs	BL	/	Conformity
	DI	BP	N/A	N.D.	
	D.	BP	N/A	N.D.	
	В	BP	N/A	N.D.	
	DE	EHP	N/A	N.D.	
	F	b	BL	/	
	C	Cd	BL	/	
	Н	lg	BL	/	
		Cr <sup>6+</sup> )	BL	/	
10		PBBs	27/4	/	
18	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 <sup>6+</sup> )		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	/	
		Ig	BL	/	
		$\operatorname{Cr}^{6+}$ )	BL	/	
		PBBs		/	
20	Br	PBDEs	N/A	/	Conformity
	DI	BP	N/A	/	
		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	/	
		Cd	BL	/	
		Hg	BL	/	
	Cr(	$(Cr^{6+})$	BL	/	
21	Br	PBBs PBDEs	N/A	/	Conformity
	D	IBP	N/A	/	
		)BP	N/A	/	
	E	BBP	N/A	/	
	D:	ЕНР	N/A	/	
		Pb	BL	/	
		Cd	BL	/	
	]	Hg	BL	/	
		$(Cr^{6+})$	BL	/	
22	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 <sup>6+</sup> )		BL	/	
23	Br	PBBs PBDEs	BL	/	Conformity
	D	IBP	N/A	N.D.	
		)BP	N/A	N.D.	
		BBP	N/A	N.D.	
	DEHP		N/A	N.D.	
		Pb	BL	/	
ļ		Cd	BL	/	
ļ		Hg	BL	/	
		$(Cr^{6+})$	BL	/	
24	Br PBBs PBDEs		BL	/	Conformity
ļ	D	IBP	N/A	N.D.	
ļ		)BP	N/A	N.D.	
		BBP	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	C12440250101-00
	F	b	BL	/	
	(	Cd .	BL	/	
		[g	BL	/	
	Cr(0	Cr <sup>6+</sup> )	BL	/	
25	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.	
		lb	BL	N.D. /	
-		id	BL	/	
_			BL	/	
_		[g		1	
_	Cr(C	Cr <sup>6+</sup> )	BL	/	
26	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 <sup>6+</sup> )		BL	/	
27	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	/	
-	Hg		BL	/	
-		Cr <sup>6+</sup> )	IN	N.D.	
28	Br	PBBs	N/A	/	Conformity
-	75.7	PBDEs	27/4	/	
<u> </u>		BP	N/A	/	
_		BP	N/A	/	
_		BP	N/A	/	
	DE	HP	N/A	/	



Test point	Test	Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	Pb		BL	/	
	(	Cd	BL	/	
	F	Ig	BL	/	
	Cr(0	Cr <sup>6+</sup> )	BL	/	
20		PBBs	DI	/	C C :
29	Br	PBDEs	BL	/	Conformity
	DI	BP	N/A	N.D.	
	D.	BP	N/A	N.D.	
	В	BP	N/A	N.D.	
	DE	ЕНР	N/A	N.D.	
	F	<b>P</b> b	BL	/	
	C	Cd	BL	/	
	Н	Ig	BL	/	
		Cr <sup>6+</sup> )	BL	/	
		PBBs		/	Conformity
30	Br	PBDEs	BL	/	
	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 <sup>6+</sup> )		BL	/	
31	Br	PBBs PBDEs	N/A	/	Conformity
	DI	BP	N/A	/	
	D	BP	N/A	/	
		BP	N/A	/	
		ЕНР	N/A	/	
		<b>P</b> b	BL	/	
		Cd	BL	/	
		Ig	BL	/	
		Cr <sup>6+</sup> )	BL	/	
32	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	Tes	t Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	C12440250101-0
	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.	
	Е	BP	N/A	N.D.	
	D:	ЕНР	N/A	N.D.	
		Pb	BL	/	
		Cd	BL	/	
	]	Hg	BL	/	
		$(Cr^{6+})$	BL	/	
34	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 <sup>6+</sup> )		IN	N.D.	
35	Br	PBBs PBDEs	N/A	/	Conformity
	D	IBP	N/A	/	
		)BP	N/A	/	
		BBP	N/A	/	
		ЕНР	N/A	/	
		Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
		(Cr <sup>6+</sup> )	BL	/	
36	Br	PBBs PBDEs	BL	/	Conformity
-	D.	IBP	N/A	N.D.	
-		)BP	N/A	N.D.	
-		BBP	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	/	
	I	Ig	BL	/	
	Cr(	Cr <sup>6+</sup> )	BL	/	
27		PBBs	27/4	/	G C :
37	Br	PBDEs	N/A	/	Conformity
	Dl	BP	N/A	/	
	D	BP	N/A	/	
	В	BP	N/A	/	
	DE	ЕНР	N/A	/	
	I	Pb	BL	/	
	(	Cd	BL	/	
	I	Ig	BL	/	
		Cr <sup>6+</sup> )	BL	/	
20	·	PBBs	27/4	/	Conformity
38	Br	PBDEs	N/A	/	
	DIBP		N/A	/	
	DBP		N/A	/	
	BBP		N/A	/	
	DEHP		N/A	/	
	F	<b>P</b> b	BL	/	
	Cd		BL	/	
	Нд		BL	/	
	Cr(Cr <sup>6+</sup> )		BL	/	
39	Br	PBBs PBDEs	BL	/	Conformity
	Dl	BP	N/A	N.D.	
		BP	N/A	N.D.	
		BP	N/A	N.D.	
		ЕНР	N/A	N.D.	
		Pb	BL	/	
		Cd Cd	BL	/	
		Ig	BL	/	
		Cr <sup>6+</sup> )	BL	/	
40	Br	PBBs PBDEs	BL	/	Conformity
-	DI	BP	N/A	N.D.	1
-		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	Pb	BL	/	
	(	Cd	BL	/	
	I	łg	BL	/	
		Cr <sup>6+</sup> )	BL	/	
41		PBBs	DI	/	G 6 :
41	Br	PBDEs	BL	/	Conformity
	D)	IBP	N/A	N.D.	
	D	BP	N/A	N.D.	
	В	BP	N/A	N.D.	
	DI	ЕНР	N/A	N.D.	
	I	Pb	BL	/	
	(	Cd	BL	/	
	I	łg	BL	/	
		Cr <sup>6+</sup> )	BL	/	
40		PBBs		/	Conformity
42	Br	PBDEs	BL	/	
	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	/	
43	Br	PBBs PBDEs	N/A	/	Conformity
	D	IBP	N/A	/	
		BP	N/A	/	
		BP	N/A	/	
		ЕНР	N/A	/	
		Pb	BL	/	
		Cd	BL	/	
_		Ig	BL	/	
		Cr <sup>6+</sup> )	BL	/	
		PBBs		/	
44	Br	PBDEs	N/A	/	Conformity
	D	IBP	N/A	/	
-		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	/	
	I	Нg	BL	/	
		Cr <sup>6+</sup> )	BL	/	
4.5		PBBs	DI	/	
45	Br	PBDEs	BL	/	Conformity
	D	IBP	N/A	N.D.	
	D	BP	N/A	N.D.	
	В	BP	N/A	N.D.	
	DI	ЕНР	N/A	N.D.	
	]	Pb	BL	/	
	(	Cd	BL	/	
	I	Hg	BL	/	
		Cr <sup>6+</sup> )	BL	/	
4.6		PBBs	27/4	/	Conformity
46	Br	PBDEs	N/A	/	
	D	IBP	N/A	/	
	DBP		N/A	/	
	BBP		N/A	/	
	DEHP		N/A	/	
	]	Pb	BL	/	
	Cd		BL	/	
	Hg		BL	/	
	$Cr(Cr^{6+})$		BL	/	
47	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	/	
		<del>I</del> g	BL	/	
		Cr <sup>6+</sup> )	BL	/	
40		PBBs		/	~ ^ ·
48	Br	PBDEs	N/A	/	Conformity
	D	IBP	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
	F	<b>P</b> b	BL	/	
	(	Cd	BL	/	
	F	Ig	BL	/	
	Cr(0	Cr <sup>6+</sup> )	BL	/	
40		PBBs	DI	/	G C :
49	Br	PBDEs	BL	/	Conformity
	DI	BP	N/A	N.D.	
	D	BP	N/A	N.D.	
	В	BP	N/A	N.D.	
	DE	ЕНР	N/A	N.D.	
	F	Pb	BL	/	
	C	Cd	BL	/	
	Н	Ig	BL	/	
		Cr <sup>6+</sup> )	IN	N.D.	
<b>.</b>		PBBs		/	Conformity
50	Br	PBDEs	N/A	/	
	DI	BP	N/A	/	
	DBP		N/A	/	
	BBP		N/A	/	
	DEHP		N/A	/	
	F	<b>P</b> b	BL	/	
	Cd		BL	/	
	Hg		BL	/	
	$Cr(Cr^{6+})$		BL	/	
51	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.	
		Pb	BL	/	
		Cd	BL	/	
		Ig	BL	/	
		Cr <sup>6+</sup> )	IN	N.D.	
		PBBs		/	
52	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	/	
	H	Ig	BL	/	
	Cr(	Cr <sup>6+</sup> )	BL	/	
53	Br	PBBs	N/A	/	Conformity
33	DI	PBDEs	IV/A	/	Comornity
	DI	BP	N/A	/	
	D	BP	N/A	/	
	B	BP	N/A	/	
	DE	EHP	N/A	/	
	F	Pb	BL	/	
	(	Cd	BL	/	
		Ig	BL	/	
	Cr(	$\mathbb{C}r^{6+}$ )	BL	/	
54	Br	PBBs	BL	/	Conformity
34	Br	PBDEs	DL	/	
	DIBP		N/A	N.D.	
	D	BP	N/A	N.D.	
	BBP		N/A	N.D.	
	DEHP		N/A	N.D.	
	Pb		BL	/	
	Cd		BL	/	
	Hg		BL	/	
	$Cr(Cr^{6+})$		BL	/	
55		PBBs	IN	N.D.	Conformity
33	Br PBDEs		IIN	N.D.	Conformity
	DI	BP	N/A	N.D.	
	D	BP	N/A	N.D.	
	В	BP	N/A	N.D.	
	DE	ЕНР	N/A	N.D.	
	F	<b>P</b> b	BL	/	
	(	Cd	BL	/	l
	H	Ig	BL	/	
		Cr <sup>6+</sup> )	BL	/	
56		PBBs	NT/A	/	Conformit
56	Br PBDEs		N/A	/	Conformity
	DI	BP	N/A	/	
	D	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	C12440250101-002
		Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
	Cr(	$(Cr^{6+})$	BL	/	
57	Br	PBBs	N/A	/	Conformity
37	DI	PBDEs	IN/A	/	Comorning
	D	IBP	N/A	/	
		)BP	N/A	/	
	E	BBP	N/A	/	
	D	ЕНР	N/A	/	
	Pb		BL	/	
	Cd		BL	/	
	Hg		BL	/	
	Cr(Cr <sup>6+</sup> )		BL	/	
58	Br	PBBs	BL	/	Conformity
36		PBDEs	DL	/	Comorning
	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	/	
59	Cr(	$(Cr^{6+})$	BL	/	
	Br	PBBs PBDEs	BL	/	Conformity
	D	IBP	N/A	N.D.	
		)BP	N/A	N.D.	
		BBP	N/A	N.D.	
		EHP	N/A	N.D.	
	1	L-111	1 1/ /A	11.1.	

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<>



			Repo	rt No.: AGC12440250101-002
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.

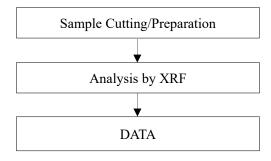
Positive indicates the presence of Cr(VI) on the tested areas concentration is above the limit of quantification and the statistical margin of error. The sample coating is considered to contain Cr(VI).

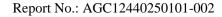
Storage conditions and production date of the tested sample are unavailable and thus result of Cr(VI) represent status of the sample at the time of testing.

(5) 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.

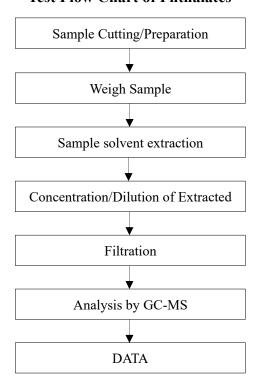
#### **Test Flow Chart of XRF**

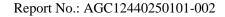






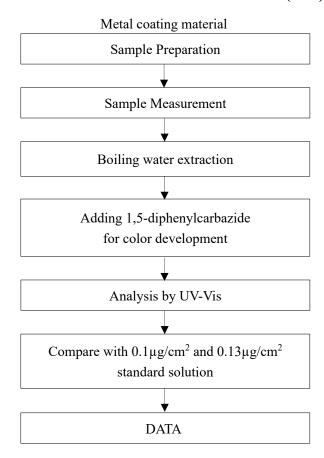
## **Test Flow Chart of Phthalates**

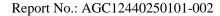






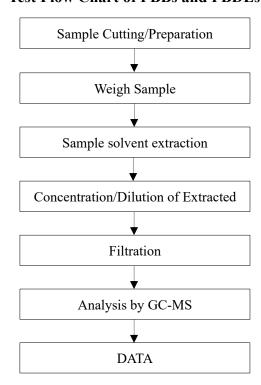
## Test Flow Chart of Hexavalent Chromium (Cr6+)







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





## 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.

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