

Test Report

Report No. : AGC05443220819-001

SAMPLE NAME : keying with 3 in 1 cable

MODEL NAME : MO6820

APPLICANT: MID OCEAN BRANDS B.V

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

DATE OF ISSUE : Sep. 02, 2022

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





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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 : keying with 3 in 1 cable

Model : MO6820
Vendor code : 109979
Country of Origin : CHINA
Country of Destination : EUROPE
Sample Received Date : Aug. 26, 2022

Testing Period : Aug. 26, 2022 to Sep. 02, 2022

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: Jossie Liang

Liangdan, Jessie.Liang

Technical Director

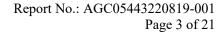


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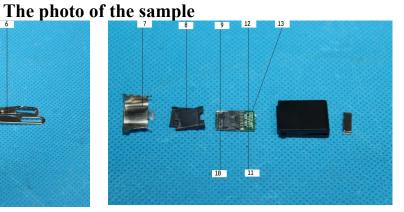
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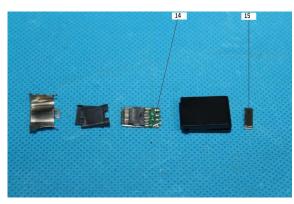
Report Revise Record

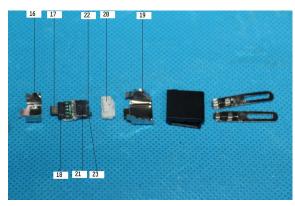
Report Version	Issued Date	Valid Version	Notes
/	Sep. 02, 2022	Valid	Initial release

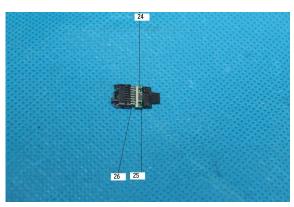


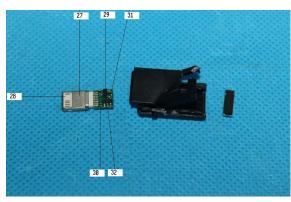


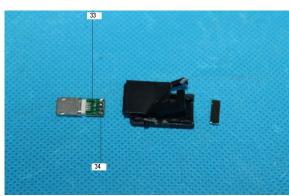


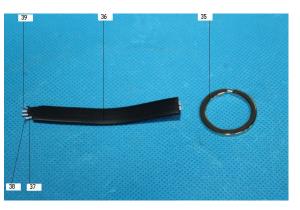








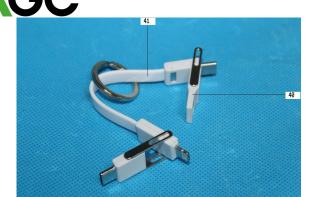


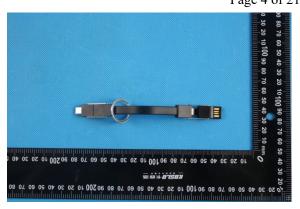


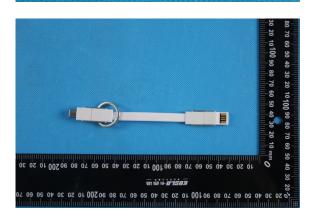
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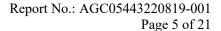




The photo of AGC05443220819-001 is for use only with the original report.

Test Point Description

Test point	Test module	Test parts	Test point description				
keying with	3 in 1 cable						
1			Metal plug				
2		Adaptor	Pin				
3			Grey plastic plug				
4		UCD plug	Black plastic plug				
5		USB plug	Black plastic handle				
6			Metallic buckle				
7			Type-C metal plug				
8			Grey plastic plug				
9			Pin				
10			pogopin				
11		Type-C plug	Chip capacitor				
12			Chip resistor				
13			PCB				
14			Solder				
15			Sliver magnet				



Δ	GC	3

16			26.1.1
16		_	Metal plug
17		Adaptor	Pin
18			Grey plastic plug
19			Type-C metal plug
20			White inner glue
21			Grey plastic plug
22		Tyma Calva	Pin
23		Type-C plug	pogopin
24			Chip resistor
25			PCB
26			Solder
27			Lightning metal plug
28			White plastic plug
29			Chip triode
30		Lichtuine Dhe	Chip capacitor
31		- Lightning Plug	Chip resistor
32			IC
33			PCB
34			Solder
35			Metallic ring
36			Black outer wire jacket
37		Wine no d	White wire jacket
38		- Wire rod	Conductor
39		1	Blue wire jacket
White (diff	erence)	•	
40			White plastic handle
41			White outer wire jacket
			· ·

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



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Note: N.D.=Not Detected (less than method detection limit), MDL = Method Detection Limit %= percentage (W/W)

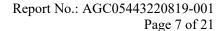
2011/65/EU (RoHS) and its amendment directive (EU) 2015/863

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

Total Chromium Total Bromine Chemistry Method Lead (Pb) II Cadmium (Cd) II Mercury (Hg) II Non-metal Hexavalent Chromium (Cr ⁶⁺) Metal	EC 62321-3-1:2013/ XRF EEC 62321-5:2013/ ICP-OES EEC 62321-5:2013/ ICP-OES EEC 62321-4: 2013+A1:2017/ ICP-OES EEC 62321-7-2:2017/ UV-Vis	/ / / / / 10mg/kg 10mg/kg 10mg/kg	1000mg/kg 100mg/kg 1000mg/kg / / 1000mg/kg 1000mg/kg 1000mg/kg
Mercury (Hg) Total Chromium Total Bromine Chemistry Method Lead (Pb) Cadmium (Cd) Mercury (Hg) Non-metal Hexavalent Chromium (Cr ⁶⁺) Metal	IEC 62321-5:2013/ ICP-OES IEC 62321-5:2013/ ICP-OES IEC 62321-4: 2013+A1:2017/ ICP-OES IEC 62321-7-2:2017/ UV-Vis	/ / / 10mg/kg 10mg/kg	1000mg/kg / / 1000mg/kg 100mg/kg 1000mg/kg
Total Chromium Total Bromine Chemistry Method Lead (Pb) II Cadmium (Cd) II Mercury (Hg) II Non-metal Hexavalent Chromium (Cr ⁶⁺) Metal	IEC 62321-5:2013/ ICP-OES IEC 62321-5:2013/ ICP-OES IEC 62321-4: 2013+A1:2017/ ICP-OES IEC 62321-7-2:2017/ UV-Vis	10mg/kg 10mg/kg	/ / 1000mg/kg 100mg/kg 1000mg/kg
Total Bromine Chemistry Method Lead (Pb) Cadmium (Cd) Mercury (Hg) Non-metal Hexavalent Chromium (Cr ⁶⁺) Metal	IEC 62321-5:2013/ ICP-OES IEC 62321-4: 2013+A1:2017/ ICP-OES IEC 62321-7-2:2017/ UV-Vis	10mg/kg 10mg/kg	100mg/kg 1000mg/kg
Chemistry Method Lead (Pb) II Cadmium (Cd) II Mercury (Hg) II Non-metal II Hexavalent Chromium (Cr ⁶⁺) II Metal II	IEC 62321-5:2013/ ICP-OES IEC 62321-4: 2013+A1:2017/ ICP-OES IEC 62321-7-2:2017/ UV-Vis	10mg/kg 10mg/kg	100mg/kg 1000mg/kg
Chemistry Method Lead (Pb) II Cadmium (Cd) II Mercury (Hg) II Non-metal II Hexavalent Chromium (Cr ⁶⁺) II Metal II	IEC 62321-5:2013/ ICP-OES IEC 62321-4: 2013+A1:2017/ ICP-OES IEC 62321-7-2:2017/ UV-Vis	10mg/kg 10mg/kg	100mg/kg 1000mg/kg
Cadmium (Cd) Mercury (Hg) Non-metal Hexavalent Chromium (Cr ⁶⁺) Metal	IEC 62321-5:2013/ ICP-OES IEC 62321-4: 2013+A1:2017/ ICP-OES IEC 62321-7-2:2017/ UV-Vis	10mg/kg 10mg/kg	100mg/kg 1000mg/kg
Cadmium (Cd) Mercury (Hg) Non-metal Hexavalent Chromium (Cr ⁶⁺) Metal	IEC 62321-5:2013/ ICP-OES IEC 62321-4: 2013+A1:2017/ ICP-OES IEC 62321-7-2:2017/ UV-Vis	10mg/kg 10mg/kg	100mg/kg 1000mg/kg
Mercury (Hg) Non-metal Hexavalent Chromium (Cr ⁶⁺) Metal	IEC 62321-4: 2013+A1:2017/ ICP-OES IEC 62321-7-2:2017/ UV-Vis	10mg/kg	1000mg/kg
Non-metal Hexavalent Chromium (Cr ⁶⁺) Metal	EC 62321-7-2:2017/ UV-Vis	8mg/kg	1000mg/kg
	IEC 62221 7 1-2015/ HV Vic		
Polybrominated Biphenyls (PBBs)	IEC 02321-7-1.2013/ UV-VIS	0.1μg/cm ²	/
-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)	EC 62321-8:2017/ GC-MS		1000mg/kg
Di-(2-ethylhexyl) Phthalate (DEHP)		50mg/kg 50mg/kg	1000mg/kg

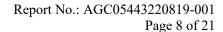
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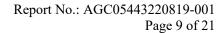


Test point	Test	Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
]	Pb	BL	/	
	(Cd	BL	/	
	H		BL	/	
		Cr ⁶⁺)	IN	N.D.	
		PBBs		/	
1	Br	PBDEs	N/A	/	Conformity
	D:	IBP	N/A	/	
	D	BP	N/A	/	
	В	BP	N/A	/	
	DI	ЕНР	N/A	/	
	l l	Pb	BL	/	
	(Cd	BL	/	
	H		BL	/	
		Cr ⁶⁺)	BL	/	Conformity
		PBBs	27/	/	
2	Br	PBDEs	N/A	/	
	D	IBP	N/A	/	
	DBP		N/A	/	
	BBP		N/A	/	
	-	EHP	N/A	/	
	I	Pb	BL	/	
			BL	/	
	Hg		BL	/	
	Cr(Cr ⁶⁺)		BL	/	
	Br	PBBs	- IN -	N.D.	Conformity
3		PBDEs		N.D.	
	D	IBP	N/A	N.D.	
	D	BP	N/A	N.D.	
		BP	N/A	N.D.	
		ЕНР	N/A	N.D.	
	 	Pb	BL	/	
		Cd	BL	/	
		łg	BL	/	
		Cr ⁶⁺)	BL	/	
		PBBs		N.D.	Conformity
4	Br	PBDEs	IN	N.D.	
	D:	IBP	N/A	N.D.	
		BP	N/A	N.D.	
		BP	N/A	N.D.	
		ЕНР	N/A	N.D.	



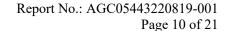


Test point	Test	Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	Pb		BL	/	
	Cd Hg Cr(Cr ⁶⁺)		BL	/	
			BL	/	
			BL	/	
		PBBs		/	
5	Br	PBDEs	BL	/	Conformity
	DI	BP	N/A	N.D.	
	D	BP	N/A	N.D.	
	B	BP	N/A	N.D.	
	DE	ЕНР	N/A	N.D.	
	F	Pb	BL	/	
	Cd		BL	/	
	E	Ig	BL	/	
		Cr ⁶⁺)	BL	/	
6	Br	PBBs PBDEs	N/A	/	Conformity
	DI	BP	N/A	/	
	-	BP	N/A N/A	/	
		BP	N/A	/	
	-	БР ЕНР	N/A	/	
	-	лг Рb	BL	/	
		Cd		/	
			BL	/	
	Hg Cr(Cr ⁶⁺)		BL	N.D.	
	Cr(C	PBBs	IN N.D. / N/A /		
7	Br				Conformity
	DI	PBDEs		/	
		BP	N/A	/	
		BP	N/A	/	
		BP	N/A	/	
	+	EHP	N/A	/	
		Pb	BL	/	
		Cd	BL	/	
		Ig	BL	/	
	Cr(C	Cr ⁶⁺)	BL	/	
8	Br	PBBs	BL	/	Conformity
		PBDEs		/	<i></i>
	-	BP	N/A	N.D.	
		BP	N/A	N.D.	
		BP	N/A	N.D.	
	DE	EHP	N/A	N.D.	



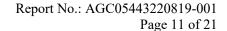


Test point	Test Item		X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	F	Pb	BL	/	
		Cd Cd	BL	/	
	H	Ig	BL	/	
		Cr ⁶⁺)	BL	/	
9	Br	PBBs PBDEs	N/A	/	Conformity
	DI	BP	N/A	/	
		BP	N/A	/	
	-	BP	N/A	/	
	DE	ЕНР	N/A	/	
	F	Pb	BL	/	
		Cd	BL	/	
	I	Ig	BL	/	
		Cr ⁶⁺)	IN	N.D.	
10	Br	PBBs PBDEs	N/A	/	Conformity
	DI	BP	N/A	/	
	-	BP	N/A	/	
	BBP		N/A	/	
	DE	ЕНР	N/A	/	
	F	Pb	BL	/	
		Cd	BL	/	
	Hg		BL	/	
	Cr(Cr ⁶⁺)		BL	/	
11	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 ⁶⁺)	BL	/	
12	Br	PBBs PBDEs	BL	/	Conformity
	וח	BP	N/A	N.D.	
	-	BP	N/A	N.D.	
		BP	N/A	N.D.	
		EHP	N/A	N.D.	
		/1.11	11/11	1,.10.	



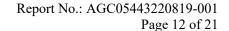


Test point	Test	t Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	Pb		BL	/	
	Cd		BL	/	
		Hg	BL	/	
		<u>Cr⁶⁺)</u>	BL	/	
		PBBs		N.D.	
13	Br	PBDEs	IN	N.D.	Conformity
	D	IBP	N/A	N.D.	
		BP	N/A	N.D.	
		BP	N/A	N.D.	
		ЕНР	N/A	N.D.	
		Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
		<u>Cr⁶⁺)</u>	BL	/	Conformity
		PBBs	N/A	/	
14	Br	PBDEs		/	
	DIBP		N/A	/	
	DBP		N/A	/	
	BBP		N/A	/	
	DEHP		N/A	/	
		Pb	BL	/	
		Cd	BL	/	
	Hg		BL	/	
	Cr(Cr ⁶⁺)		BL	/	
	Rr PBB	PBBs		/	
15		PBDEs	- N/A	/	Conformity
	D	IBP	N/A	/	
		BP	N/A	/	
		BP	N/A	/	
		EHP	N/A	/	
		Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
		Cr ⁶⁺)	IN	N.D.	
		PBBs		/	
16	Br	PBDEs	N/A	/	Conformity
	D	IBP	N/A	/	
		BP	N/A	/	
		BP	N/A	/	
	DEHP		N/A	/	



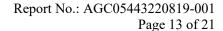


Test point	Test Item		X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	Pb		BL	/	
	(Cd	BL	/	
	I	-Ig	BL	/	
		Cr ⁶⁺)	BL	/	
17	Br	PBBs	N/A	/	Conformity
1 /	DI	PBDEs	IN/A	/	Conformity
	D	IBP	N/A	/	
	D	BP	N/A	/	
	В	BP	N/A	/	
		ЕНР	N/A	/	
		Pb	BL	/	
		Cd	BL	/	
		Ig	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
18	Br	PBBs	BL	/	Conformity
		PBDEs		/	
	DIBP		N/A	N.D.	
	DBP		N/A	N.D.	
		BP	N/A	N.D.	
	+	ЕНР	N/A	N.D.	
		Pb	BL	/	
	Cd		BL	/	
	Hg		BL	/	
	Cr(Cr ⁶⁺)		IN	N.D.	
19	Br	PBBs	N/A	/	Conformity
		PBDEs		/	Comorniny
		IBP	N/A	/	
		BP	N/A	/	
		BP	N/A	/	
		EHP	N/A	/	
		Pb	BL	/	
		Cd	BL	/	
		I g	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
20	Br	PBBs	BL	/	Conformity
		PBDEs		/	
		IBP	N/A	N.D.	
		BP	N/A	N.D.	
		BP	N/A	N.D.	
	DI	EHP	N/A	N.D.	



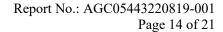


X-ray Fluorescence Wet Chemistry **Test point Test Item Spectrometry (XRF)** Method Conclusion mg/kg mg/kg Pb BLCd BLBLHg $Cr(Cr^{6+})$ BL**PBBs** 21 BLBr Conformity **PBDEs** DIBP N.D. N/A **DBP** N/A N.D. **BBP** N/A N.D. **DEHP** N/A N.D. Pb BL/ Cd BLHg BL $Cr(Cr^{6+})$ BL**PBBs** 22 Br N/A Conformity **PBDEs DIBP** N/A **DBP** N/A / **BBP** N/A **DEHP** N/A Pb BLCdBLHg BL $Cr(Cr^{6+})$ N.D. IN **PBBs** 23 N/A Conformity Br **PBDEs** DIBP N/A **DBP** N/A **BBP** N/A **DEHP** N/A Pb BLCd BLBLHg $Cr(Cr^{6+})$ BL**PBBs** 24 BLConformity Br **PBDEs** DIBP N/A N.D. **DBP** N/A N.D. **BBP** N/A N.D. **DEHP** N/A N.D.



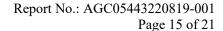


Test point	Test	Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	F	Pb	BL	/	
	Cd		BL	/	
		Ig	BL	/	
		Cr ⁶⁺)	BL	/	
		PBBs		/	
25	Br	PBDEs	BL	/	Conformity
	DI	BP	N/A	N.D.	
	D	BP	N/A	N.D.	
	B	BP	N/A	N.D.	
	DE	EHP	N/A	N.D.	
	F	Pb	BL	/	
	Cd		BL	/	
	H	Ig	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
26	Br	PBBs PBDEs	N/A	/	Conformity
	DI	BP	N/A	/	
		BP	N/A	/	
		BP	N/A	/	
			N/A	/	
		EHP		/	
		Pb Cd	BL	/	
			BL	/	
	Hg		BL	/	
	Cr(Cr ⁶⁺)		BL	/	
27	Br	PBBs PBDEs	N/A	/	Conformity
	DI	BP	N/A	/	
	D	BP	N/A	/	
		BP	N/A	/	
		ЕНР	N/A	/	
	+	Pb	BL	/	
		Cd Cd	BL	/	
		Ig	BL	/	
		Cr ⁶⁺)	BL	/	
		PBBs		/	
28	Br	PBDEs	BL	/	Conformity
	Di	BP	N/A	N.D.	
	-	BP	N/A	N.D.	
		BP	N/A	N.D.	
		EHP	N/A	N.D.	
	l DI	1111	11/1	11.1.	



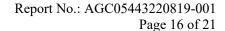


Test point	Test Item		X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	F	Pb	BL	/	
	Cd		BL	/	
Hg			BL	/	
	$Cr(Cr^{6+})$		BL	/	
		PBBs		/	
29	Br	PBDEs	BL	/	Conformity
	DI	BP	N/A	N.D.	
	D	BP	N/A	N.D.	
	B	BP	N/A	N.D.	
	DE	EHP	N/A	N.D.	
	F	Pb	BL	/	
		Cd	BL	/	
	F	łg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
20	Br	PBBs	- BL -	/	Conformity
30		PBDEs		/	
	DI	BP	N/A	N.D.	
	DBP		N/A	N.D.	
	В	BP	N/A	N.D.	
	DE	ЕНР	N/A	N.D.	
	F	Pb	BL	/	
		Cd	BL	/	
	I	Ig	BL	/	
	Cr(Cr ⁶⁺)		BL	/	l
2.1	Br PB	PBBs	BL	/	
31		PBDEs		/	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	/	
		Cd	BL	/	
	I	Ig	BL	/	
		Cr ⁶⁺)	BL	/	
		PBBs		/	
32	Br	PBDEs	BL	/	Conformity
	DI	BP	N/A	N.D.	
	-	BP	N/A	N.D.	
		BP	N/A	N.D.	
		ЕНР	N/A	N.D.	



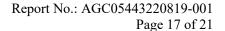


Test point	Test Item		X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	F	Pb	BL	/	
		Cd Cd	BL	/	
		Ig	BL	/	
	$Cr(Cr^{6+})$		BL	/	
		PBBs		N.D.	Conformity
33	Br	PBDEs	IN	N.D.	
	DIBP		N/A	N.D.	
		BP	N/A	N.D.	
		BP	N/A	N.D.	
		ЕНР	N/A	N.D.	
		Pb	BL	/	
		Cd	BL	/	
		Ig	BL	/	
		Cr ⁶⁺)	BL	/	
		PBBs	N/A	/	Conformity
34	Br	PBDEs		/	
	DIBP		N/A	/	
	DBP		N/A	/	
	BBP		N/A	/	
	DEHP		N/A	/	
	Pb		BL	/	
	Cd		BL	/	
	Hg		BL	/	
	Cr(Cr ⁶⁺)		BL	/	
	Br	PBBs	N/A	/	Conformity
35		PBDEs		/	
	DIBP		N/A	/	
	DBP		N/A	/	
	BBP		N/A	/	
	DEHP		N/A	/	
36	F	Pb	BL	/	
	Cd		BL	/	
	Hg		BL	/	
	Cr(Cr ⁶⁺)		BL	/	
	Br PBBs	1	- BL	/	Conformity
		PBDEs		/	
	DIBP		N/A	N.D.	
	DBP		N/A	N.D.	
	BBP		N/A	N.D.	
	DEHP		N/A	N.D.	



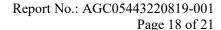


Test point	Test Item		X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	1	Pb	BL	mg/kg	
	Cd		BL	/	
		-Ig	BL	/	
		Cr ⁶⁺)	BL	/	
		PBBs		/	
37	Br	PBDEs	BL	/	Conformity
	D	IBP	N/A	N.D.	
	D	BP	N/A	N.D.	
	В	BP	N/A	N.D.	
	DI	EHP	N/A	N.D.	
	Pb		BL	/	
	(Cd	BL	/	
	I	-Ig	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
38		PBBs	N/A	/	Conformity
36	Br	PBDEs		/	
	DIBP		N/A	/	
	DBP		N/A	/	
	В	BP	N/A	/	
	DEHP		N/A	/	
]	Pb	BL	/	
	Cd		BL	/	
	Hg		BL	/	
	Cr(Cr ⁶⁺)		BL	/	
20	Br	PBBs	- BL	/	Conformity
39		PBDEs		/	
	D	IBP	N/A	N.D.	
	DBP		N/A	N.D.	
	В	BP	N/A	N.D.	
	DEHP		N/A	N.D.	
	Pb		BL	/	
40	Cd		BL	/	
	Hg		BL	/	
	Cr(Cr ⁶⁺)		BL	/	
	Br	PBBs	BL	/	Conformity
		PBDEs		/	
	DIBP		N/A	N.D.	
	DBP		N/A	N.D.	
	BBP		N/A	N.D.	
	DEHP		N/A	N.D.	





X-ray Fluorescence Wet Chemistry **Test point Test Item Spectrometry (XRF)** Method Conclusion mg/kg mg/kg Pb BLCd BLHg BL $Cr(Cr^{6+})$ BL**PBBs** 41 BLConformity Br **PBDEs** DIBP N/A N.D. **DBP** N/A N.D. **BBP** N/A N.D. **DEHP** N/A N.D.





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

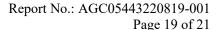
Negative indicates the absence of Cr(VI) on the tested areas concentration is below the limit of quantification. The coating is considered a non-Cr(VI) based coating.

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.

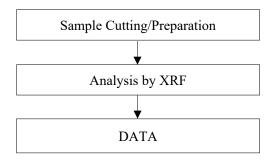
(5) Disclaimers: This XRF Scanning report is for reference purposes only. The applicant shall make its/his/her own judgment as to whether the information provided in this XRF screening report is sufficient for its/his/her purposes.

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.

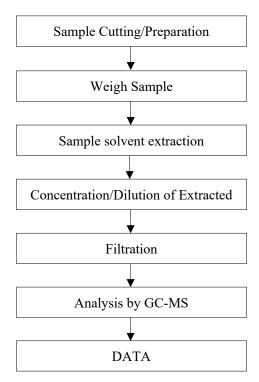


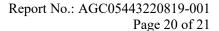


Test Flow Chart of XRF



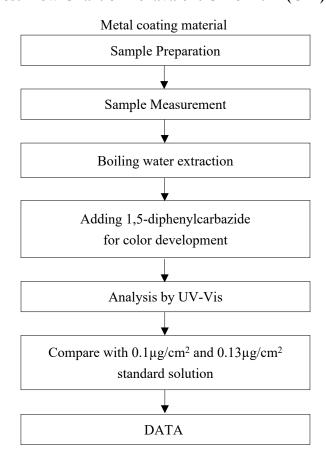
Test Flow Chart of Phthalates

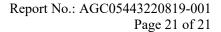




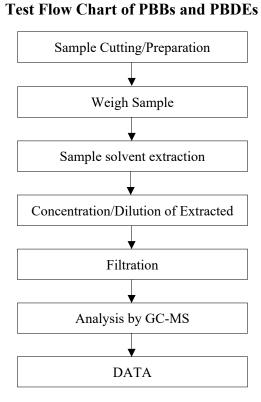


Test Flow Chart of Hexavalent Chromium (Cr6+)









*** 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.