

RoHS Test Report

Report No. : AGC05443231124-001

- **SAMPLE NAME** : 10000 mAh power bank COB light
- MODEL NAME : MO2179
- APPLICANT : MID OCEAN BRANDS B.V
- **STANDARD(S)** : Please refer to the following page(s).
- **DATE OF ISSUE** : Nov. 23, 2023

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







: MID OCEAN BRANDS B.V

Report No.: AGC05443231124-001

: 7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.

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:

:

:	10000 mAh power bank COB light
:	MO2179
:	114538
:	CHINA
:	EUROPE
:	Nov. 15, 2023
:	Nov. 15, 2023 to Nov. 23, 2023
:	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, Cr⁶⁺, PBBs, PBDEs, DBP, BBP, DEHP, DIBP

Approved by : Jossie ling

Liangdan, Jessie.Liang

Technical Director



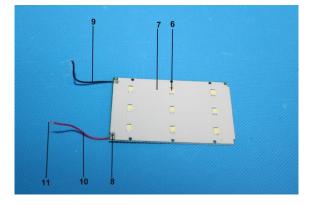
		Report Revise Record	1
Report Version	Issued Date	Valid Version	Notes
/	Nov. 23, 2023	Valid	Initial release

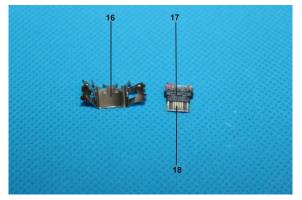


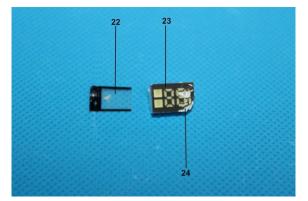
The photo of the sample

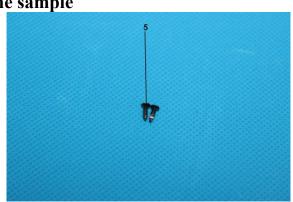
Report No.: AGC05443231124-001

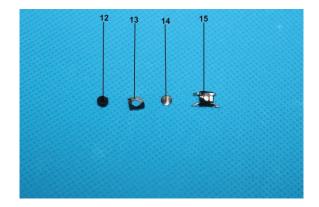


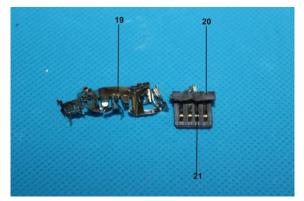


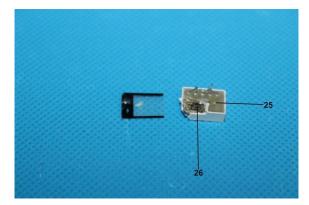








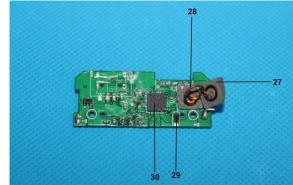




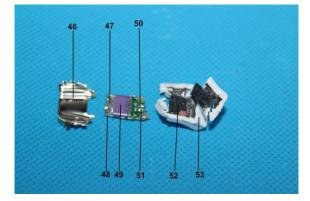
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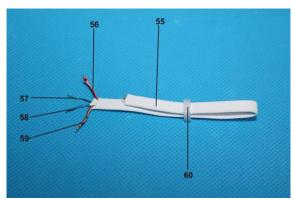
Attestation of Global Compliance(Shenzhen)Co., Ltd Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd Tel: +86-755 2523 4088 E-mail: agc@agccert.com Web: http://www.agccert.com/

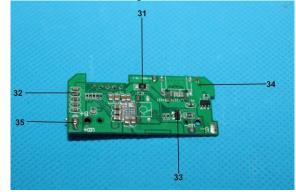


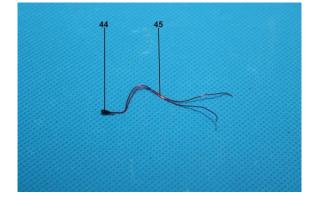


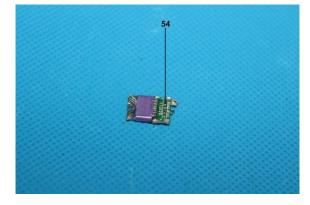


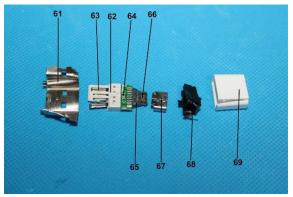












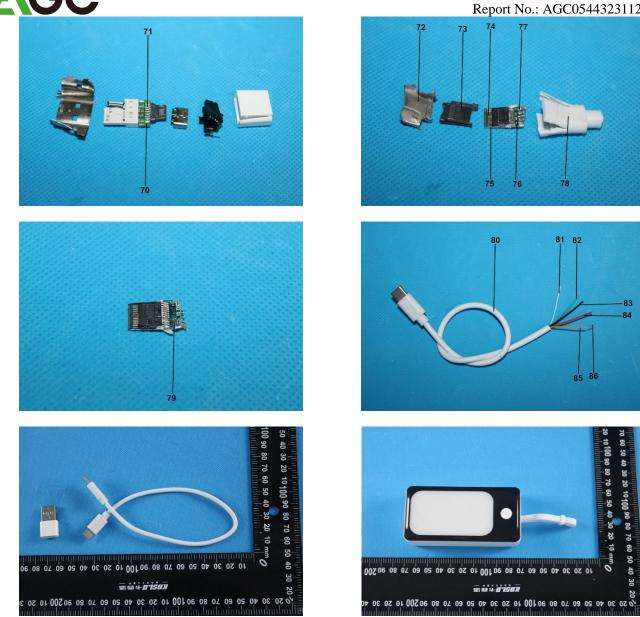
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The photo of AGC05443231124-001 is for use only with the original report.

Test Point Description

Test point	Test module	Test parts	Test point description				
Model : MO	Model: MO2179						
1			Milk white plastic shell				
2		Outer shell	Black plastic shell				
3			White plastic shell				
4			Silver plastic sheet				
5			Black screw				
6		Lown board	Chip LED				
7		Lamp board	PCB				

AGC®

			Report 110 110C05445251124 001
8		_	Solder
9			Black wire jacket
10			Red wire jacket
11			Conductor
12			Black plastic button
13		Key	Metallic shell
14		Kty	Metallic shrapnel
15			Black plastic base
16			Type-C metal connector
17		Type-C connector	Grey plastic joint
18			Metal pin
19			USB metal device
20		USB device	Grey plastic joint
21			Metal pin
22			Transparent plastic sheet
23			Black coating
24	Circuit board	Digital tube	White plastic shell
25		C	Milk white glue
26			PCB
27			Grey magnetic frame
28	-	Inductance	Enameled wire
29	-		Chip diode
30	-		Chip IC
31	1		Chip resistor
32			Chip capacitor
33			Chip triode
34			PCB
35			Solder
36			Barley paper
37			Double-sided tape
38			Grey bushing
39			White plastic sheet
40		– Battery	Solder
41		1	Black wire jacket
42			Red wire jacket
43		1	Conductor
44			Black thermistor
45		- Thermistor	Enameled wire
46			Type-C metal plug
47		1	Metal pin
48			Metallic pogopin
49		– Type-C plug	Purple plastic plug
50		-	PCB
50		-	Solder
51			501401

	GC [°]		$\mathbf{D}_{\mathbf{a}\mathbf{p}\mathbf{o}\mathbf{r}\mathbf{t}}\mathbf{N}_{\mathbf{o}} \cdot \mathbf{A}\mathbf{C}\mathbf{C}\mathbf{O}5\mathbf{A}\mathbf{A}222112\mathbf{A}\mathbf{O}\mathbf{O}$
52			Report No.: AGC05443231124-00 Black inner glue
53			White handle
54			Chip resistor
55			White outer wire jacket
56			Red enameled wire
57			Green enameled wire
58		Wire rod	Blue enameled wire
59			Brown enameled wire
60			Milk white buckle
61			USB metal plug
62			White plastic plug
63			Metal pin
64			Chip resistor
65			Grey plastic plug
66			Metal pin
67			Type-C metal plug
68			Black inner glue
69			White handle
70			РСВ
71			Solder
Type-C l	ine		
72			Type-C metal plug
73			Grey plastic plug
74			Metal pin
75		Tuna C nlug	Metallic pogopin
76		Type-C plug	PCB
77			Solder
78			White handle
79			Chip capacitor
80			White outer wire jacket
81			White wire jacket
82			Green wire jacket
83		Wire rod	Black wire jacket
84			Red wire jacket
85			Yellow wire jacket
86			Conductor

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%

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

- Pb, Cd, Hg, Cr⁶⁺, 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 ⁶⁺)	IEC 62321-7-2:2017/ UV-Vis	8mg/kg	1000mg/kg
Metal: Hexavalent Chromium (Cr ⁶⁺)	IEC 62321-7-1:2015/ UV-Vis	$0.1 \mu g/cm^2$	/
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)		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	C05443231124-00 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.	
-		BBP	N/A	N.D.	
	D	EHP	N/A	N.D.	
		Pb	BL	/	
		Cd	BL	/	
-]	Hg	BL	/	
		(Cr ⁶⁺)	BL	/	
		PBBs		/	~ ^ .
2	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	/	
3	Br	PBBs PBDEs	BL	/	Conformity
-	D	IBP	N/A	N.D.	
-	Ľ	BP	N/A	N.D.	
-		BBP	N/A	N.D.	
		EHP	N/A	N.D.	
		Pb	BL	/	
		Cd	BL	/	
]	Hg	BL	/	
		(Cr^{6+})	BL	/	
4		PBBs		/	
4	Br	PBDEs	BL	/	Conformity
F	D	IBP	N/A	N.D.	
F		BP	N/A	N.D.	
F		BBP	N/A	N.D.	
F		EHP	N/A	N.D.	



Test point	Test Item		X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	C05443231124-00 Conclusion
	Pb		BL	/	
Γ	(Cd	BL	/	
		Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
5	Br	PBBs PBDEs	N/A	/	Conformity
-	D	IBP	N/A	/	
		BP	N/A	/	
-		BP	N/A	/	
F		EHP	N/A	/	
		Pb	BL	/	
-		Cd	BL	/	
-		Hg	BL	/	
-		$\overline{\mathrm{Cr}^{6^+}}$	BL	/	
-		PBBs	DI	/	
6	Br	PBDEs	BL	/	Conformity
	D	IBP	N/A	N.D.	
	DBP		N/A	N.D.	
	BBP		N/A	N.D.	
	DEHP		N/A	N.D.	
	Pb		BL	/	
	Cd		BL	/	
	I	Нg	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.	
-		EHP	N/A	N.D.	
		Pb	BL	/	
F		Cd	BL	/	
F		Hg	BL	/	
F		<u>Cr⁶⁺)</u>	BL	/	
8	Br	PBBs PBDEs	- N/A	/ /	Conformity
F	D	IBP	N/A	/	
F		BP	N/A	/	
F		BP	N/A N/A	/	
F		EHP	N/A 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	/	
9	Br	PBBs	BL	/	Conformity
-		PBDEs		/	
_		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(Cr ⁶⁺)	BL	/	
10	Br	PBBs	BL	/	Conformity
10		PBDEs		/	comonney
	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	/	
11	Br	PBBs PBDEs	N/A	/	Conformity
-		IBP	N/A	/	
-		BP	N/A	/	
-			N/A	/	
-	BBP DEHP		N/A	/	
		Pb	BL	/	
F		Cd	BL	/	
-		Hg	BL	/	
-		$\frac{1g}{Cr^{6+}}$	BL	/	
-	UI(PBBs		/	
12	Br	PBDEs	BL	/	Conformity
	D	IBP	N/A	N.D.	
	D	BP	N/A	N.D.	
	Е	BP	N/A	N.D.	
Γ	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	/	
Γ		Cd	BL	/	
		Hg	BL	/	
	Cr	(Cr^{6+})	BL	/	
13	Br	PBBs	N/A	/	Conformity
-		PBDEs VIBP	N/A	/	
_)BP	N/A N/A	/	
_		BP	N/A N/A	/	
-		EHP	N/A N/A	/	
		Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
		(Cr^{6+})	IN	N.D.	
	CI	PBBs		/	
14	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	/	
15	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	/	
-		Cd	BL	/	
-]	Hg	BL	/	
		(Cr ⁶⁺)	IN	N.D.	
16	Br	PBBs PBDEs	- N/A	/ /	Conformity
F	Π	IBP	N/A	/	
ŀ)BP	N/A	/	
ŀ		BP	N/A N/A	/	
F		EHP	N/A N/A	/	



Test point	Test Item		X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	C05443231124-00 Conclusion
		Pb	BL	/	
Γ		Cd	BL	/	
		Hg	BL	/	
	Cr	(Cr^{6+})	BL	/	
17	Br	PBBs PBDEs	BL	/	Conformity
-	D	IBP	N/A	N.D.	
_)BP	N/A N/A	N.D.	
		BP	N/A	N.D.	
-		EHP	N/A	N.D.	
		Pb	BL	/	
-		Cd	BL	/	
-		Hg	BL	/	
-		(Cr^{6+})	BL	/	
		PBBs		/	
18	Br	PBDEs	N/A	/	Conformity
	D	IBP	N/A	/	
	DBP		N/A	/	
	BBP		N/A	/	
	DEHP		N/A	/	
	Pb		BL	/	
	Cd		BL	/	
	Hg		BL	/	
	Cr	(Cr^{6+})	BL	/	
19	Br	PBBs PBDEs	N/A	/	Conformity
	D	IBP	N/A	/	
-		OBP	N/A	/	
-		BBP	N/A	/	
-		EHP	N/A	/	
		Pb	BL	/	
_		Cd	BL	/	
-		Hg	BL	/	
	Cr	(Cr^{6+})	BL	/	
20		PBBs	INT	N.D.	Conformite
20	Br	PBDEs	IN	N.D.	Conformity
Ļ		IBP	N/A	N.D.	
Ļ		DBP	N/A	N.D.	
Ļ		BBP	N/A	N.D.	
	D	EHP	N/A	N.D.	



Test point	Tes	t Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	C05443231124-00 Conclusion
		Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
	Cr	(Cr^{6+})	BL	/	
21	Br	PBBs	N/A	/	Conformity
-		PBDEs DIBP	NT/ A	/	
-		DBP	N/A N/A	/	
-		BBP	N/A N/A	/	
-		EHP	N/A N/A	/	
		Pb	BL	/	
-		Cd	BL	/	
-		Hg	BL	/	
		(Cr^{6+})	BL	/	
	CI	PBBs		/	
22	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	/	
23	Br	PBBs PBDEs	BL	/	Conformity
-	Г	DIBP	N/A	N.D.	
_		DBP	N/A	N.D.	
		BBP	N/A	N.D.	
-		EHP	N/A	N.D.	
		Pb	BL	/	
-		Cd	BL	/	
		Hg	BL	/	
-		(Cr^{6+})	BL	/	
24	Br	PBBs	BL	/	Conformity
F		PBDEs		/	
F		DIBP	N/A	N.D.	
F)BP	N/A	N.D.	
F		BBP	N/A	N.D.	
	D	EHP	N/A	N.D.	



Test point	Test Item		X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	C05443231124-00
	РЬ		BL	/	
		Cd	BL	/	
		Hg	BL	/	
	Cr	(Cr^{6+})	BL	/	
25	Br	PBBs	IN	N.D.	Conformity
23	Ы	PBDEs	IIN	N.D.	Comoninty
	D	IBP	N/A	N.D.	
	Ι	DBP	N/A	N.D.	
		BBP	N/A	N.D.	
		EHP	N/A	N.D.	
		Pb	BL	/	
		Cd	BL	/	
_		Hg	BL	/	
	Cr	(Cr^{6+})	BL	/	
26	Br	PBBs	IN	N.D.	Conformity
20		PBDEs		N.D.	contonnity
	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+})	IN	N.D.	
27	Br	PBBs PBDEs	BL	/ /	Conformity
	D	IBP	N/A	N.D.	
	Ι	DBP	N/A	N.D.	
	E	BBP	N/A	N.D.	
	D	EHP	N/A	N.D.	
		Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
	Cr	(Cr^{6+})	BL	/	
28	Br	PBBs PBDEs	BL	/ /	Conformity
F	D	DIBP	N/A	N.D.	
F		DBP	N/A	N.D.	
F		BBP	N/A	N.D.	
F		EHP	N/A	N.D.	



Test point	Tes	t Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Cost43231124-00
		Pb	BL	/	
Γ		Cd	BL	/	
		Hg	BL	/	
	Cr((Cr^{6+})	BL	/	
29	Br	PBBs PBDEs	BL	/	Conformity
-	D	IBP	N/A	N.D.	
_		DBP	N/A	N.D.	
-		BP	N/A	N.D.	
		EHP	N/A	N.D.	
		Pb	BL	/	
-		Cd	BL	/	
F		Hg	BL	/	
-		(Cr ⁶⁺)	BL	/	
		PBBs		/	~ ^ .
30	Br	PBDEs	BL	/	Conformity
	D	IBP	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⁺)	IN	N.D.	
31	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 ⁶⁺)	BL	/	
32	Br	PBBs PBDEs	BL	/ /	Conformity
F	D	IBP	N/A	N.D.	
F		BP	N/A	N.D.	
F		BP	N/A	N.D.	
F		EHP	N/A	N.D.	



Test point	Tes	t Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Cost43231124-00
		Pb	BL	/	
Γ		Cd	BL	/	
		Hg	BL	/	
	Cr	(Cr^{6+})	BL	/	
33	Br	PBBs PBDEs	BL	/	Conformity
-	D	IBP	N/A	N.D.	
-		DBP	N/A	N.D.	
-	E	BBP	N/A	N.D.	
-	D	EHP	N/A	N.D.	
		Pb	BL	/	
		Cd	BL	/	
_]	Hg	BL	/	
		(Cr ⁶⁺)	BL	/	
24	D.,	PBBs	IN	N.D.	
34	Br	PBDEs	IN	N.D.	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	/	
35	Br	PBBs PBDEs	N/A	/	Conformity
-	D	IBP	N/A	/	
	Γ)BP	N/A	/	
_		BBP	N/A	/	
_		EHP	N/A	/	
		Pb	BL	/	
		Cd	BL	/	
Ē]	Hg	BL	/	
	Cr	(Cr ⁶⁺)	BL	/	
36	Br	PBBs PBDEs	BL	/ /	Conformity
F	D	IBP	N/A	N.D.	
F		DBP	N/A	N.D.	
F		BBP	N/A	N.D.	
F		EHP	N/A	N.D.	



Test point	Tes	t Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	C05443231124-00 Conclusion
		Pb	BL	/	
Γ		Cd	BL	/	
		Hg	BL	/	
	Cr((Cr^{6+})	BL	/	
37	Br	PBBs PBDEs	BL	/	Conformity
-	D	IBP	N/A	N.D.	
_		BP BP	N/A	N.D.	
-		BP	N/A	N.D.	
		EHP	N/A	N.D.	
		Pb	BL	/	
-		Cd	BL	/	
F		Hg	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.	
	-	Pb	BL	/	
		Cd	BL	/	
]	Hg	BL	/	
	Cr((Cr^{6+})	BL	/	
39	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 ⁶⁺)	BL	/	
40	Br	PBBs PBDEs	N/A	/ /	Conformity
F	D	IBP	N/A	/	
F		BP	N/A	/	
F		BP	N/A	/	
F		EHP	N/A	/	



Test point	Tes	tItem	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Cost43231124-00
		Pb	BL	/	
Γ		Cd	BL	/	
		Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
41	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 ⁶⁺)	BL	/	
10		PBBs	DI	/	
42	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	/	l .
	Cr(Cr ⁶⁺)	BL	/	
43	Br	PBBs PBDEs	N/A	/	Conformity
-	D	IBP	N/A	/	
	Ľ	BP	N/A	/	
_		BP	N/A	/	
_		EHP	N/A	/	
		Pb	BL	/	
F		Cd	BL	/	
]	Hg	BL	/	
Γ	Cr(Cr ⁶⁺)	BL	/	
44	Br	PBBs PBDEs	BL	/ /	Conformity
F	D	IBP	N/A	N.D.	
F		BP	N/A	N.D.	
F		BP	N/A	N.D.	
F		EHP	N/A	N.D.	



Test point	Tes	t Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	C05443231124-00 Conclusion
		Pb	BL	/	
		Cd	BL	/	
]	Hg	BL	/	
	Cr((Cr ⁶⁺)	BL	/	
45	D	PBBs	DI	/	
45	Br	PBDEs	BL	/	Conformity
	D	IBP	N/A	N.D.	
	Γ	BP	N/A	N.D.	
	E	BP	N/A	N.D.	
	D	EHP	N/A	N.D.	
		РЪ	BL	/	
		Cd	BL	/	
]	Hg	BL	/	
		(Cr ⁶⁺)	IN	N.D.	
16	D	PBBs		/	
46	Br	PBDEs	N/A	/	Conformity
-	D	IBP	N/A	/	
-	DBP		N/A	/	
-	BBP		N/A	/	
-	DEHP		N/A	/	
	Pb		BL	/	
	Cd		BL	/	
-		Hg	BL	/	
		(Cr ⁶⁺)	BL	/	
47	Br	PBBs PBDEs	N/A	/	Conformity
_	D	IBP	N/A	/	
-		BP	N/A	/	
-		BP	N/A	/	
-		EHP	N/A	/	
		Pb	BL	/	
F	Cd		BL	/	
F		Hg	BL	/	
-		(Cr ⁶⁺)	IN	N.D.	
48	Br	PBBs PBDEs	- N/A	/	Conformity
F	D	IBP	N/A	/	
F		BP	N/A	/	
F		BP	N/A	/	
F		EHP	N/A	/	



Test point	Tes	t Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	C05443231124-00 Conclusion
		Pb	BL	/	
Γ		Cd	BL	/	
		Hg	BL	/	
	Cr((Cr ⁶⁺)	BL	/	
49	Br	PBBs PBDEs	BL	/	Conformity
-	D	IBP	N/A	N.D.	
		DBP	N/A	N.D.	
-		BP	N/A	N.D.	
		EHP	N/A	N.D.	
		Pb	BL	/	
-		Cd	BL	/	
		Hg	BL	/	
-		(Cr ⁶⁺)	BL	/	
		PBBs	DI	N.D.	
50	Br	PBDEs	- IN	N.D.	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	/	
51	Br	PBBs 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⁺)	BL	/	
52	Br	PBBs PBDEs	BL	/	Conformity
F	D	IBP	N/A	N.D.	
F		BP	N/A	N.D.	
F		BP	N/A	N.D.	
F		EHP	N/A	N.D.	



Test point	Test	tem	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	C05443231124-00 Conclusion
]	Pb	BL	/	
	(Cd	BL	/	
		Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
53	Br	PBBs PBDEs	BL	/	Conformity
F	D	IBP	N/A	N.D.	
		BP	N/A	N.D.	
	В	BP	N/A	N.D.	
	DI	EHP	N/A	N.D.	
]	Pb	BL	/	
	(Cd	BL	/	
	l	Hg	BL	/	
Γ	Cr(Cr ⁶⁺)	IN	N.D.	
54	D.,	PBBs	BL	/	
34	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	/	
55	Br	PBBs PBDEs	BL	/	Conformity
	D	IBP	N/A	N.D.	
	D	BP	N/A	N.D.	
	В	BP	N/A	N.D.	
	D	EHP	N/A	N.D.	
]	Pb	BL	/	
F	(Cd	BL	/	
]	Hg	BL	/	
Γ	Cr(Cr ⁶⁺)	BL	/	
56	Br	PBBs PBDEs	BL	/ /	Conformity
F	D	IBP	N/A	N.D.	
F		BP	N/A	N.D.	
F		BP	N/A	N.D.	
F		EHP	N/A	N.D.	



Test point	Test	tem	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	C05443231124-00
]	Pb	BL	/	
Γ	(Cd	BL	/	
		Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
57	Br	PBBs PBDEs	BL	/	Conformity
	D	IBP	N/A	N.D.	
-		BP	N/A	N.D.	
-	В	BP	N/A	N.D.	
-	D	EHP	N/A	N.D.	
]	Pb	BL	/	
	(Cd	BL	/	
_]	Hg	BL	/	
		Cr ⁶⁺)	BL	/	
50		PBBs	DI	/	
58	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	/	
59	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 ⁶⁺)	BL	/	
60	Br	PBBs PBDEs	BL	/	Conformity
F	D	IBP	N/A	N.D.	
F		BP	N/A	N.D.	
F		BP	N/A	N.D.	
F		EHP	N/A	N.D.	



Test point	Tes	t Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Cost43231124-00
		Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
	Cr	(Cr^{6+})	BL	/	
61	Br	PBBs PBDEs	N/A	/	Conformity
_		IBP	N/A	/	
-)BP	N/A N/A	/	
-		BP	N/A N/A	/	
-		EHP	N/A N/A	/	
		Pb	BL	/	
-		Cd	BL	/	
-		Hg	BL	/	
-		(Cr^{6+})	BL	/	
-		PBBs		/	
62	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	/	
63	Br	PBBs PBDEs	N/A	/	Conformity
-	D	IBP	N/A	/	
_)BP	N/A	/	
-		BP	N/A	/	
-		EHP	N/A	/	
		Pb	BL	/	
F		Cd	BL	/	
-		Hg	BL	/	
		(Cr^{6+})	BL	/	
64	Br	PBBs PBDEs	BL	/	Conformity
F	n	IBP	N/A	N.D.	
F)BP	N/A N/A	N.D.	
		BP	N/A N/A	N.D.	
F		EHP	N/A N/A	N.D.	



Test point	Tes	t Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Cost43231124-00
		Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
	Cr((Cr ⁶⁺)	BL	/	
65	Br	PBBs PBDEs	BL	/	Conformity
_	D	IBP	N/A	N.D.	
_		DBP	N/A	N.D.	
-		BP	N/A	N.D.	
-		EHP	N/A	N.D.	
		Pb	BL	/	
-		Cd	BL	/	
-		Hg	BL	/	
-		(Cr ⁶⁺)	BL	/	
		PBBs		/	~
66	Br	PBDEs	N/A	/	Conformity
	D	IBP	N/A	/	
-	DBP		N/A	/	
	BBP		N/A	/	
	DEHP		N/A	/	
	-	Pb	BL	/	
		Cd	BL	/	
]	Hg	BL	/	
	Cr((Cr ⁶⁺)	BL	/	
67	Br	PBBs 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⁺)	BL	/	
68	Br	PBBs PBDEs	BL	/	Conformity
F	D	IBP	N/A	N.D.	
F		BP	N/A	N.D.	
F		BP	N/A	N.D.	
F		EHP	N/A	N.D.	



Test point	Tes	t Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	C05443231124-00 Conclusion
	Pb		BL	/	
Γ		Cd	BL	/	
Γ]	Hg	BL	/	
	Cr(Cr ⁶⁺)		BL	/	
(0)	р	PBBs	DI	/	
69	Br	PBDEs	BL	/	Conformity
	D	IBP	N/A	N.D.	
	Γ	BP	N/A	N.D.	
	E	BP	N/A	N.D.	
	D	EHP	N/A	N.D.	
		Pb	BL	/	
		Cd	BL	/	
]	Hg	BL	/	
	Cr((Cr ⁶⁺)	BL	/	
70	Л	PBBs	DI	N.D.	
70	Br	PBDEs	IN	N.D.	Conformity
	DIBP		N/A	N.D.	
	DBP		N/A	N.D.	
	E	BP	N/A	N.D.	
	D	EHP	N/A	N.D.	
	Pb		IN	409	
	Cd		BL	/	
]	Hg	BL	/	
	Cr((Cr ⁶⁺)	BL	/	
71	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 ⁶⁺)	IN	N.D.	
72	Br	PBBs PBDEs	N/A	/ /	Conformity
F	D	IBP	N/A	/	
F	DBP		N/A	/	
F	BBP		N/A	/	
F		EHP	N/A	/	



Test point	Tes	t Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Cost43231124-00
	Pb		BL	/	
	Cd		BL	/	
		Hg	BL	/	
	Cr	(Cr^{6+})	BL	/	
73	Br	PBBs PBDEs	BL	/	Conformity
	D	IBP	N/A	N.D.	
		DBP	N/A	N.D.	
		BP	N/A	N.D.	
F		EHP	N/A	N.D.	
		Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
-		(Cr^{6+})	BL	/	
[PBBs			/	~
74	Br	PBDEs	N/A	/	Conformity
	DIBP		N/A	/	
	DBP		N/A	/	
	E	BBP	N/A	/	
Γ	D	ЕНР	N/A	/	
		Pb	BL	/	
Γ		Cd	BL	/	
]	Hg	BL	/	
	Cr	(Cr ⁶⁺)	IN	N.D.	
75	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 ⁶⁺)	BL	/	
76	Br	PBBs PBDEs	BL	/ /	Conformity
F	DIBP		N/A	N.D.	
F	DBP		N/A	N.D.	
F	BBP		N/A	N.D.	
F		EHP	N/A	N.D.	



Test point	Tes	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	/	
77	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	/	
78	Br	PBBs PBDEs	BL	/	Conformity
	DIBP		N/A	N.D.	
-		DBP	N/A	N.D.	
_		BBP	N/A	N.D.	
-		EHP	N/A	N.D.	
		Pb	BL	/	
	Cd		BL	/	
-		Hg	BL	/	
-		(Cr ⁶⁺)	IN	N.D.	
79	Br	PBBs	BL	/	Conformity
	PBDEs DIBP			1	
	DIBP		N/A	N.D.	
	DBP		N/A	N.D.	
	BBP DEHP		N/A	N.D.	
			N/A	N.D.	
-	Pb		BL	/	
	Cd		BL	/	
		Hg	BL	/	
	Cr	(Cr ⁶⁺)	BL	/	
80	Br	PBBs PBDEs	BL	/ /	Conformity
F	Γ	DIBP	N/A	N.D.	
		DBP	N/A	N.D.	
	BBP		N/A N/A	N.D.	
	DEHP		N/A	N.D.	



Test point	Tes	t Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Cost43231124-00
	Pb		BL	/	
	Cd		BL	/	
		Hg	BL	/	
	Cr(Cr ⁶⁺)		BL	/	
81	Br	PBBs PBDEs	BL	/	Conformity
	D	IBP	N/A	N.D.	
	DBP		N/A	N.D.	
		BP	N/A	N.D.	
F		ЕНР	N/A	N.D.	
		Pb	BL	/	
		Cd	BL	/	
]	Hg	BL	/	
ſ		(Cr ⁶⁺)	BL	/	
		PBBs	DI	/	
82	Br	PBDEs	BL	/	Conformity
	DIBP		N/A	N.D.	
	Ľ	BP	N/A	N.D.	
	E	BP	N/A	N.D.	
	D	EHP	N/A	N.D.	
		Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
	Cr((Cr^{6+})	BL	/	
83	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	/	
84	Br	PBBs PBDEs	BL	/ /	Conformity
F	D	IBP	N/A	N.D.	
F	DBP		N/A	N.D.	
-	BBP		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	Conclusion
	Pb		BL	/	
	Cd		BL	/	
]	Hg	BL	/	
	Cr	(Cr ⁶⁺)	BL	/	
05	D	PBBs	DI	/	
85	Br	PBDEs	BL	/	Conformity
	DIBP		N/A	N.D.	
	DBP		N/A	N.D.	
	BBP		N/A	N.D.	
	D	EHP	N/A	N.D.	
		Pb	BL	/	
	Cd		BL	/	
	Hg		BL	/	
	Cr(Cr ⁶⁺)		BL	/	
07	Br	PBBs	N/A	/	
86		PBDEs		/	Conformity
	DIBP		N/A	/	
	DBP		N/A	/	
	BBP		N/A	/	
	DEHP		N/A	/	

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

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

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 E-mail: agc@agccert.com

 Web: http://www.agccert.com/

AGC	®	Report No.: AGC05443231124-001
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	$X \ge 0.13 \mu g/cm^2$	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.

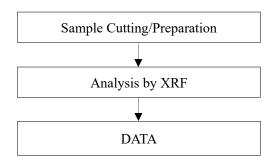
Uncertainty indicates the absence of Cr(VI) on the tested areas unavoidable coating variations may influence the determination.

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.

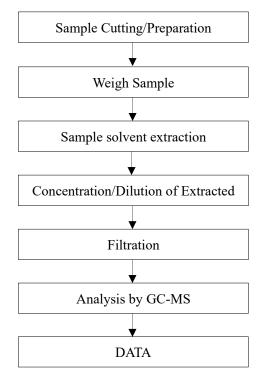
(5) Disclaimers: This XRF Scanning report is for reference purposes only. The applicant shall make its/his/her own judgment as to whether the information provided in this XRF screening report is sufficient for its/his/her purposes. The result shown in this XRF scanning report will differ based on various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

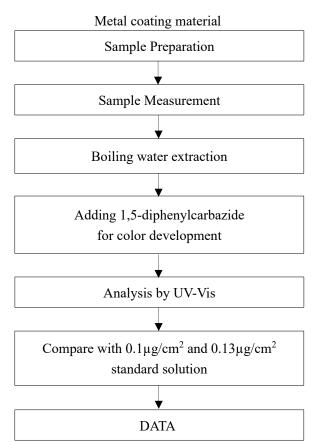




Test Flow Chart of Phthalates



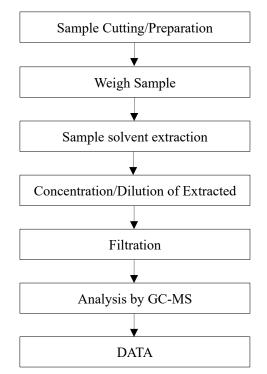




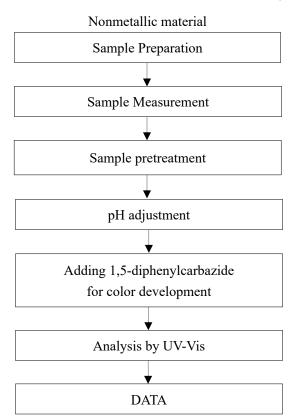
Test Flow Chart of Hexavalent Chromium (Cr⁶⁺)



Test Flow Chart of PBBs and PBDEs



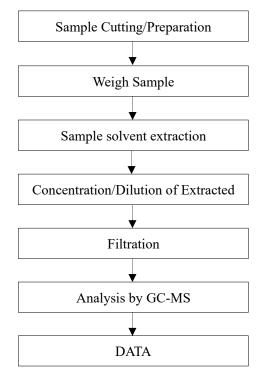




Test Flow Chart of Hexavalent Chromium (Cr⁶⁺)

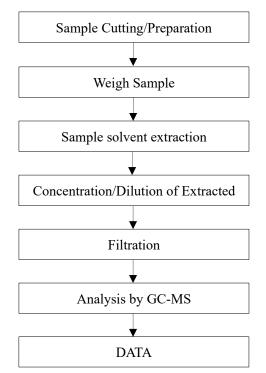


Test Flow Chart of Phthalates

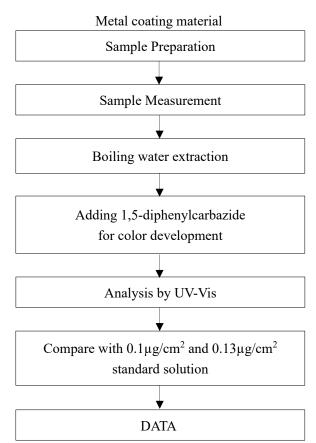




Test Flow Chart of PBBs and PBDEs

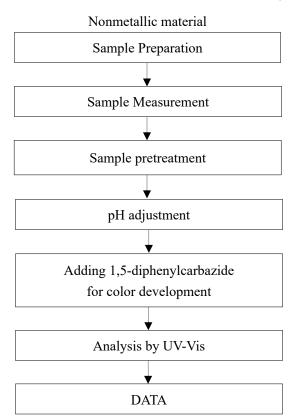






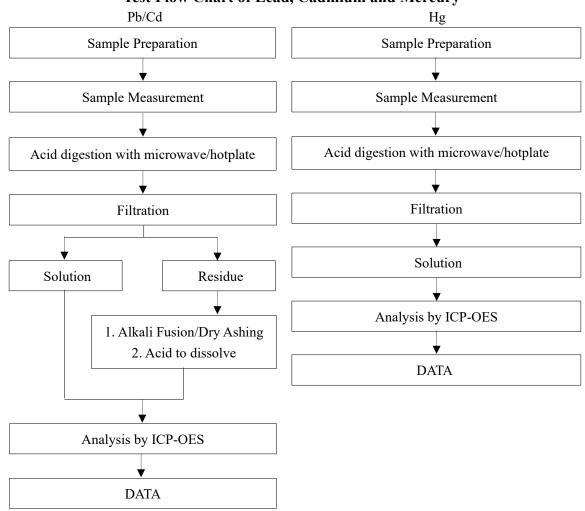
Test Flow Chart of Hexavalent Chromium (Cr⁶⁺)





Test Flow Chart of Hexavalent Chromium (Cr⁶⁺)





Test Flow Chart of Lead, Cadmium and Mercury

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



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 ***