

RoHS Test Report

Report No. : AGC05443230912-001

SAMPLE NAME : 3 port USB hub in Aluminium

MODEL NAME : MO2142

APPLICANT: MID OCEAN BRANDS B.V

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

DATE OF ISSUE : Sep. 22, 2023

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





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 : 3 port USB hub in Aluminium

Model : MO2142

Vendor code : 114276

Country of Origin : CHINA

Country of Destination : EUROPE

Sample Received Date : Sep. 14, 2023

Testing Period : Sep. 14, 2023 to Sep. 22, 2023

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

Report No.: AGC05443230912-001

Approved by : Jossie Liang

Liangdan, Jessie.Liang

Technical Director



Report Revise Record

Report No.: AGC03443230912-001	Report No.: A	AGC05443230912-001
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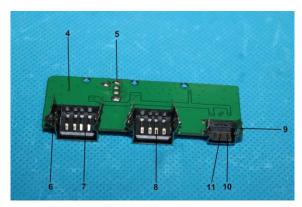
Report Version	Issued Date	Valid Version	Notes
/	Sep. 22, 2023	Valid	Initial release

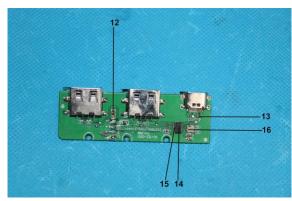


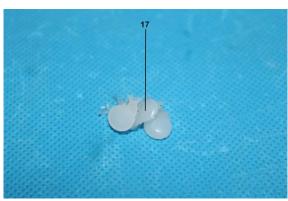
The photo of the sample

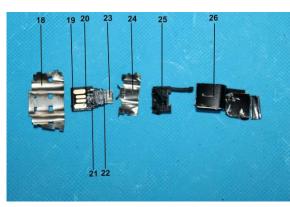


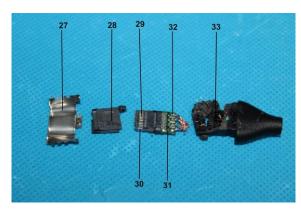


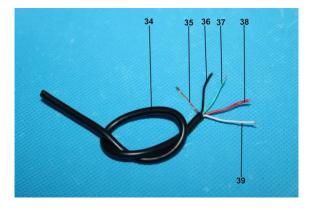












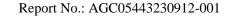








The photo of AGC05443230912-001 is for use only with the original report.





Test point	Test module	Test parts	Test point description
3 port USB	hub in Aluminium	Model: MO2142	
1		Outer shell	Black metallic shell
2		Outer snen	Black plastic shell
3			Black screw
4			PCB
5			Solder
6			USB metal device
7		USB device	Grey plastic joint
8			Metal pin
9			Type-C metal connector
10	Circuit board	Type-C connector	Grey plastic joint
11			Metal pin
12			Chip capacitor
13			Chip resistor
14			IC body
15			Metallic pin with solder
16			Chip crystal oscillator
17			Hot melt adhesive
18			USB metal plug
19			Black plastic plug
20			PCB
21			Solder
22		USB plug	Grey plastic plug
23			Metal pin
24			Type-C metal plug
25			Black inner glue
26			Black metal handle
27			Type-C metal plug
28			Grey plastic plug
29			Metal pin
30		Type-C plug	Metallic pogopin
31			PCB
32			Solder
33			Black buckle
34			Black outer wire jacket
35			Metallic braided wire
36			Black wire jacket
37		Wire rod	Green wire jacket
38			Red wire jacket
			White wire jacket
39			I white wire tacket

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	0.1μg/cm ²	/
-Monobromobiphenyl (MonoBB) -Dibromobiphenyl (DiBB) -Tribromobiphenyl (TriBB) -Tetrabromobiphenyl (TetraBB) -Pentabromobiphenyl (PentaBB) -Hexabromobiphenyl (HexaBB) -Heptabromobiphenyl (HeptaBB) -Octabromobiphenyl (OctaBB) -Nonabromodiphenyl (NonaBB) -Decabromodiphenyl (DecaBB)	IEC 62321-6:2015/ GC-MS	Single 5mg/kg	Sum 1000mg/kg
PolybrominatedDiphenylethers (PBDEs) -Monobromodiphenyl ether (MonoBDE) -Dibromodiphenyl ether (DiBDE) -Tribromodiphenyl ether (TriBDE) -Tetrabromodiphenyl ether (TetraBDE) -Pentabromodiphenyl ether (PentaBDE) -Hexabromodiphenyl ether (HexaBDE) -Heptabromodiphenyl ether (HeptaBDE) -Octabromodiphenyl ether (OctaBDE) -Nonabromodiphenyl ether (NonaBDE) -Decabromodiphenyl ether (DecaBDE)	IEC 62321-6:2015/ GC-MS	Single 5mg/kg	Sum 1000mg/kg
Di-iso-butyl phthalate (DIBP)		50mg/kg	1000mg/kg
Dibutyl phthalate (DBP)		50mg/kg	1000mg/kg
Butylbenzyl phthalate (BBP)	IEC 62321-8:2017/ GC-MS	50mg/kg	1000mg/kg
Di-(2-ethylhexyl) Phthalate (DEHP)		50mg/kg	1000mg/kg



Test point	Test Item		X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	C05443230912-0 Conclusion
		Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
1	Br	PBBs PBDEs	N/A	/	Conformity
	D	IBP	N/A	/	
		BP	N/A	/	
		BP	N/A	/	
		ЕНР	N/A	/	
		Pb	BL	/	
		Cd	BL	/	
]	Hg	BL	/	
		Cr ⁶⁺)	BL	/	
2	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	/	
	$Cr(Cr^{6+})$		BL	/	
3	Br	PBBs PBDEs	N/A	/	Conformity
	DIBP DBP		N/A	/	
			N/A	/	
		BP	N/A	/	
		EHP	N/A	/	
		Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
		(Cr ⁶⁺)	BL	/	
4	PBBs PBBs		IN	N.D.	Conformity
-	T.	PBDEs	NT/A	N.D.	J
-		IBP	N/A	N.D.	
-		BP DR	N/A	N.D.	
-		BP	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	C05443230912-00
	I	Pb	BL	/	
	(Cd	BL	/	
	F	łg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
5	Br	PBBs PBDEs	N/A	/	Conformity
	D	IBP	N/A	/	
		BP	N/A	/	
		BP	N/A	/	
		EHP	N/A	/	
		Pb	BL	/	
		Cd	BL	/	
			BL	/	
		Cr ⁶⁺)	BL	/	
6	Br	PBBs PBDEs	N/A	/	Conformity
	DIBP DBP		N/A	/	
			N/A	/	
	BBP		N/A	/	
	DEHP		N/A	/	
	Pb		BL	/	
	Cd Hg		BL	/	
			BL	/	
	$Cr(Cr^{6+})$		BL	/	
7	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(Cr ⁶⁺)	BL	/	
8	Br	PBBs PBDEs	N/A	/	Conformity
-	D.	IBP	N/A	/	
-		BP	N/A	/	
-		BP	N/A N/A	/	
-		EHP	N/A N/A	/	



Test point	Test Item		X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	C05443230912-00
	I	Pb	BL	/	
	(Cd	BL	/	
	F	łg	BL	/	
	Cr(Cr ⁶⁺)	IN	N.D.	
9	Br	PBBs PBDEs	N/A	/	Conformity
_	D	IBP	N/A	/	
-		BP	N/A	/	
_		BP	N/A	/	
_		EHP	N/A	/	
		Pb	BL	/	
_		Cd Cd	BL	/	
-		Ig	BL	/	
-		Cr ⁶⁺)	BL	/	
	CI	PBBs	DL	/	
10	Br	PBDEs	BL	/	Conformity
	DIBP		N/A	N.D.	
	DBP		N/A	N.D.	
	BBP		N/A	N.D.	
	DE	EHP	N/A	N.D.	
	Pb		BL	/	
	Cd		BL	/	
	Нд		BL	/	
	$Cr(Cr^{6+})$		BL	/	
11	Br	PBBs PBDEs	N/A	/	Conformity
	DIBP DBP		N/A	/	
			N/A	/	
		BP	N/A	/	
		EHP	N/A	/	
		Pb	BL	/	
		Cd Cd	BL	/	
		I g	BL	/	
	Cr(- <u>s</u> Cr ⁶⁺)	BL	/	
12	Br	PBBs	BL	/	Conformity
<u> </u>	D 1	PBDEs	NT/A	/ N.D.	
<u> </u>		BP	N/A	N.D.	
<u> </u>		BP	N/A	N.D.	
-		BP	N/A	N.D.	
	DE	EHP	N/A	N.D.	



(Pb	D.*	mg/kg	
		BL	/	
I	Cd	BL	/	
	Ig	BL	/	
Cr(0	Cr^{6+})	BL	/	
Br	PBBs PBDEs	BL	/	Conformity
DI		N/A	N.D.	
			/	
			/	
			/	
Cr(C	Cr ⁶⁺)		/	
Br	PBBs	BL	/	Conformity
		N/A	N.D.	
DEHP				
			/	
Cd			/	
			/	
			/	
Br	PBBs	N/A	/	Conformity
DI	l.	N/A	/	
			/	
			/	
			/	
			/	
			/	
			/	
			/	
Br	PBBs	BL	/	Conformity
Di	l.	NT/A	,	
	Cr(0 Br Di Di Di Di Di Di Di D	$\begin{array}{c c} & Cr(Cr^{6^+}) \\ Br & PBBs \\ \hline PBDEs \\ \hline \\ DBP \\ \hline \\ BBP \\ \hline \\ DEHP \\ \hline \\ \\ Cd \\ \hline \\ \\ FB \\ \hline \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $	Cr(Cr ⁶⁺) BL Br PBBs BL DBP N/A DBP N/A BBP N/A BBP N/A DEHP N/A Pb BL Gd BL BL BL BL BL BC PBBs PBDEs BL DIBP N/A DBP N/A DBP N/A DEHP N/A BL BL Cd BL BB N/A DBP N/A DBP N/A DBP N/A DEHP N/A DB BL Cd BL BL Cd BL BB BL Cr(Cr ⁶⁺) BL BB BL Cr(Cr ⁶⁺) BL BB BL BB BL	Cr(Cr ⁶⁺) BL / Br PBBs PBDEs BL / DIBP N/A N.D. N.D. DBP N/A N.D. N.D. BBP N/A N.D. N.D. DEHP N/A N.D. N.D. Pb BL / / Cd BL / / Hg BL / / Cr(Cr ⁶⁺) BL / / DIBP N/A N.D. N.D. DBP N/A N.D. N.D. DBP N/A N.D. N.D. Pb BL / / Cd BL / / Cr(Cr ⁶⁺) BL / / BBP N/A / / DIBP N/A / / DIBP N/A / / DBP N/A / / <td< td=""></td<>



Test point	Test Item		X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	C05443230912-00
	I	P b	BL	/	
	(Cd	BL	/	
	F	łg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
17	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.	
		Pb	BL	/	
		Cd	BL	/	
		I g	BL	/	
		Cr ⁶⁺)	BL	/	
18	Br	PBBs PBDEs	N/A	/	Conformity
	DIBP		N/A	/	
	DBP		N/A	/	
	BBP		N/A	/	
	DEHP		N/A	/	
	Pb		BL	/	
	Cd		BL	/	
	Hg Cr(Cr ⁶⁺)		BL	/	
			BL	/	
19	Br	PBBs PBDEs	IN	N.D. N.D.	Conformity
	DIBP DBP		N/A	N.D.	
			N/A	N.D.	
		BP	N/A	N.D.	
		EHP	N/A	N.D.	
		Pb	BL	/	
		Cd Cd	BL	/	
		<u></u> Ig	BL	/	
		Cr ⁶⁺)	BL	/	
-		PBBs		N.D.	
20	Br	PBDEs	IN	N.D.	Conformity
<u> </u>	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	C05443230912-00
]	Pb	BL	/	
	(Cd	BL	/	
		Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
21	Br	PBBs PBDEs	N/A	/	Conformity
_	D	IBP	N/A	/	
		BP	N/A	/	
		BP	N/A	/	
	Dl	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	/	
	$Cr(Cr^{6+})$		BL	/	
23	Br	PBBs PBDEs	N/A	/	Conformity
	DIBP		N/A	/	
	DBP		N/A	/	
		BP	N/A	/	
		EHP	N/A	/	
		Pb	BL	/	
		C d	BL	/	
		Hg	BL	/	
		Cr ⁶⁺)	IN	N.D.	
24	Br	PBBs PBDEs	N/A	/	Conformity
-	D	IBP	N/A	/	-
-				/	
_		BP	N/A	/	
<u> </u>		BP EHP	N/A N/A	/	



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



Test point	Test Item		X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	C05443230912-00
	I	Pb	BL	/	
	(Cd	BL	/	
	F	łg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
29	Br	PBBs PBDEs	N/A	/	Conformity
	D	BP	N/A	/	
		BP	N/A	/	
		BP	N/A	/	
		EHP	N/A	/	
		Pb	BL	/	
		Cd	BL	/	
			BL	/	
		Cr ⁶⁺)	IN	N.D.	
30	Br	PBBs PBDEs	N/A	/	Conformity
	DIBP		N/A	/	
	DBP		N/A	/	
	BBP		N/A	/	
	DEHP		N/A	/	
	Pb		BL	/	
	Cd		BL	/	
	Hg		BL	/	
	$Cr(Cr^{6+})$		BL	/	
31	Br	PBBs PBDEs	IN	N.D. N.D.	Conformity
	DIBP DBP		N/A	N.D.	
			N/A	N.D.	
		BP	N/A	N.D.	
		EHP	N/A	N.D.	
		Pb	BL	/	
		Cd Cd	BL	/	
	Hg		BL	/	
	Cr(Cr ⁶⁺)	BL	/	
32	Br	PBBs PBDEs	N/A	/	Conformity
-	D	IBP	N/A	/	
<u> </u>		BP	N/A	/	
<u> </u>		BP	N/A N/A	/	
-		EHP	N/A N/A	/	



Test point	Tes	t Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	C05443230912-0
	Pb		BL	/	
	Cd		BL	/	
		Hg	BL	/	
33	$Cr(Cr^{6+})$		BL	/	
	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	/	
ļ		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 ⁶⁺)		BL	/	
35	Rr PB	PBBs PBDEs	N/A	/	Conformity
	DIBP DBP BBP DEHP		N/A	/	
-			N/A	/	
-			N/A	/	
-			N/A	/	
36	Pb		BL	/	Conformity
	Cd		BL	/	
	Hg		BL	/	
	$Cr(Cr^{6+})$		BL	/	
	Br PBBs PBDEs		BL N/A	/	
	DIBP			N.D.	
	DBP		N/A N/A	N.D. N.D.	
-	BBP				
	DEHP		N/A	N.D.	



Test point	Test Item		X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	C05443230912-00
	Pb		BL	/	
	(Cd	BL	/	
	F	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
37	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	/	
		I g	BL	/	
	Cr(Cr ⁶⁺)		BL	/	
38	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	/	
			BL	/	
	$Cr(Cr^{6+})$		BL	/	
39	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.	
40	Pb		BL	/	
	Cd		BL	/	
	Hg		BL	/	
	$Cr(Cr^{6+})$		BL	/	
	Br	PBBs PBDEs	N/A	/	Conformity
	DIBP		N/A	/	
	DBP		N/A	/	
	BBP		N/A	/	
-	DEHP		N/A 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
1	$X < 0.1 \mu g/cm^2$	Negative
2	0.1μg/cm ² ≤X≤0.13μg/cm ²	Uncertainty
3	$X > 0.13 \mu g/cm^2$	Positive

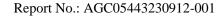
Negative indicates the absence of Cr(VI) on the tested areas concentration is below the limit of quantification. The coating is considered a non-Cr(VI) based coating.

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).

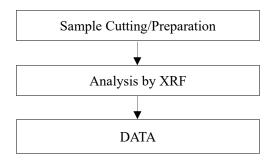
Storage conditions and production date of the tested sample are unavailable and thus result of Cr(VI) represent status of the sample at the time of testing.

(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.

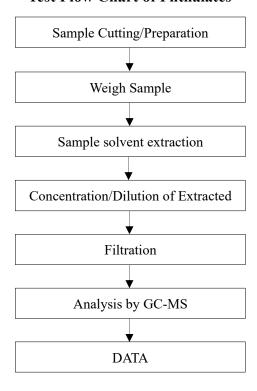


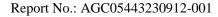


Test Flow Chart of XRF



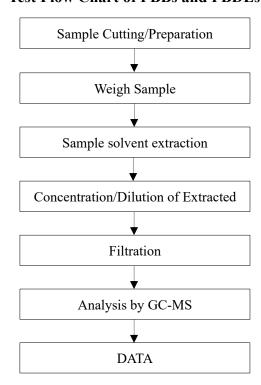
Test Flow Chart of Phthalates

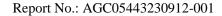






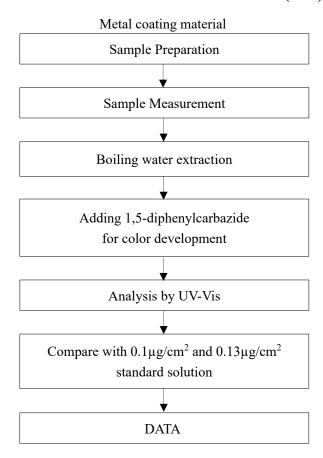
Test Flow Chart of PBBs and PBDEs







Test Flow Chart of Hexavalent Chromium (Cr6+)





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 ***