

RoHS Test Report

Report No. : AGC05443231128-001

SAMPLE NAME : 5000 mAh power bank COB light

MODEL NAME : MO2178

APPLICANT: MID OCEAN BRANDS B.V

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

DATE OF ISSUE : Nov. 30, 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 : 5000 mAh power bank COB light

Model : MO2178

Vendor code : 114538

Country of Origin : CHINA

Country of Destination : EUROPE

Sample Received Date : Nov. 20, 2023

Testing Period : Nov. 20, 2023 to Nov. 29, 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

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Approved by : Jossie Liang

Liangdan, Jessie.Liang

Technical Director

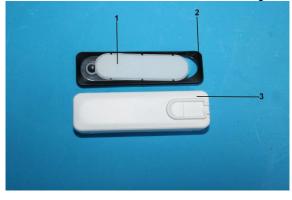


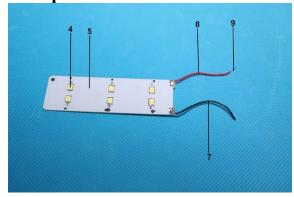
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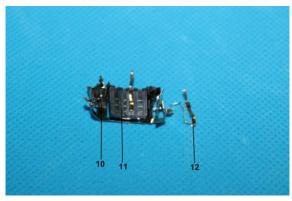
Report Version	Issued Date	Valid Version	Notes
/	Nov. 30, 2023	Valid	Initial release

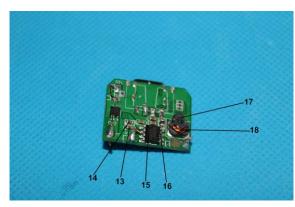


The photo of the sample

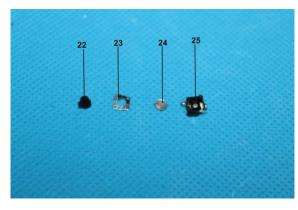


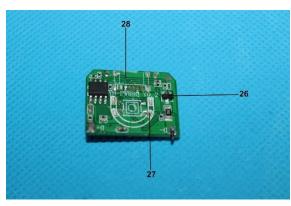






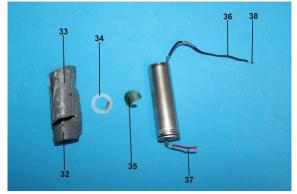


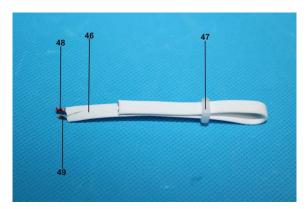


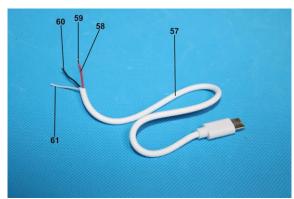


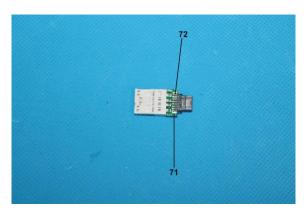


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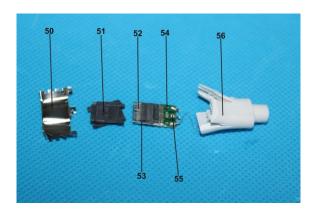










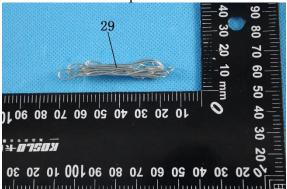




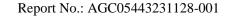




 Report No.: AGC05443231128-001



The photo of AGC05443231128-001 is for use only with the original report.





Test point	Test module	Test parts	Test point description
5000 mAh p	ower bank COB lig	ht Model: M02178	
1			Milk white plastic shell
2		Outer shell	Black plastic shell
3			White plastic shell
4			Chip LED
5			PCB
6		T 1 1	Solder
7		Lamp board	Black wire jacket
8			Red wire jacket
9			Conductor
10			USB metal device
11		USB device	Grey plastic joint
12			Metal pin
13			Chip capacitor
14			Chip resistor
15			IC body
16			Metallic pin with solder
17		Magnetic frame inductance	Black magnetic frame
18			Enameled wire
19			Type-C metal connector
20	Circuit board	Type-C connector	Grey plastic joint
21			Metal pin
22			Black plastic button
23			Metallic shell
24		Key	Metallic shrapnel
25			Black plastic base
26			Chip triode
27			Chip LED
28			PCB
29			Solder
30			Black thermistor body
31		Enameled wire	Enameled wire
32			Grey bushing
33			Double-sided tape
34			White plastic sheet
35		Battery	Barley paper
36		<u> </u>	Black wire jacket
37			Red wire jacket
38			Conductor
39			Type-C metal plug
40		Type-C plug	Grey plastic plug
41		-7118	Metal pin



			Report No., AUC03443231126-001				
42			Metallic pogopin				
43			PCB				
44			Solder				
45			White handle				
46			White outer wire jacket				
47		Wire rod	Milk white buckle				
48		wire rod	Red enameled wire				
49			Brown enameled wire				
Type-C li	ne	·					
50			Type-C metal plug				
51			Grey plastic plug				
52			Metal pin				
53		Type-C plug	Metallic pogopin				
54			PCB				
55			Solder				
56			White handle				
57			White outer wire jacket				
58			Red wire jacket				
59		Wire rod	Conductor				
60			Black wire jacket				
61			White wire jacket				
Adaptor							
62			USB metal plug				
63			White plastic plug				
64			Metal pin				
65			Chip resistor				
66			Grey plastic plug				
67			Metal pin				
68			Type-C metal plug				
69			Black inner glue				
70			White handle				
71			PCB				
72			Solder				
	•						

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 Item		X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method	Conclusion
Pb		BL	/	
C	Cd .	BL	/	
Н	[g	BL	/	
Cr(C	Cr ⁶⁺)	BL	/	
Br	PBBs	BL	/	Conformity
DI		N/Δ		
			/	
			/	
			/	
CI(C		DL	/	
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	/	
Br	PBBs PBDEs	BL	/	Conformity
DI		N/A	N.D.	
			/	
			/	
			/	
Br	PBBs	BL	/	Conformity
DI		N/Δ	N D	
BBP DEHP		N/A N/A	N.D.	
	P C H C C C C C C C C	$ \begin{array}{c c} Pb \\ \hline Cd \\ \hline Hg \\ \hline Cr(Cr^{6+}) \\ \hline Br & PBBs \\ \hline PBDEs \\ \hline DBP \\ \hline DBP \\ \hline BBP \\ \hline DEHP \\ \hline Pb \\ \hline Cd \\ \hline Hg \\ \hline Cr(Cr^{6+}) \\ \hline Br & PBBs \\ \hline PBDEs \\ \hline \hline PBDEs \\ \hline \\ \hline PBDEs \\ \hline \\ \hline DBP \\ \hline BBP \\ \hline DBP \\ \hline BBP \\ \hline DBP \\ \hline BBP \\ \hline DBHP \\ \hline Pb \\ \hline Cd \\ \hline Hg \\ \hline Cr(Cr^{6+}) \\ \hline Br & PBBs \\ \hline PBDEs \\ \hline \hline \\ DBP \\ \hline BBP \\ \hline DBP \\ \hline DBP \\ \hline BBP \\ \hline DBP \\ \hline DBP \\ \hline BBP \\ \hline DCHP \\ \hline Pb \\ \hline Cd \\ \hline Hg \\ \hline Cr(Cr^{6+}) \\ \hline \\ PBBs \\ \hline \hline \\ PBDEs \\ \hline \\ \hline DBP \\ \hline \\ BBP \\ \hline \hline \\ DBP \\ \hline \\ BBP \\ \hline \\ \hline \\ DBP \\ \hline \\ BBP \\ \hline \\ DBP \\ \hline \\ BBS \\ \hline \\ PBDEs \\ \hline \\ DBP \\ \hline \\ DBP \\ \hline \\ BB \\ \hline \\ DBP \\ \\ DBP \\ \hline \\ DBP \\ DBP \\ \\ DBP \\ DBP \\ BBP \\ DBP \\ BBP \\ DBP \\ D$	Test Item Spectrometry (XRF) mg/kg Pb BL Cd BL Hg BL Cr(Cr ⁶⁺) BL Br PBBs PBBs PBL PBDEs N/A DBP N/A BBP N/A DEHP N/A Pb BL Cd BL Hg BL Cr(Cr ⁶⁺) BL BBP N/A DBP N/A DBP N/A DBP N/A DBP N/A DEHP N/A DEHP N/A BL BL Cr(Cr ⁶⁺) BL BB BL DIBP N/A DBP N/A DBP N/A BBP N/A DBP N/A BBP N/A DBP N/A BB BL Cr(Note



Test point	Test Item		X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	C05443231128-00
	F	Pb	BL	/	
	(Cd	BL	/	
	F	łg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
5	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	/	
6	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	/	
7	Br	PBBs PBDEs	BL	/	Conformity
	DI	BP	N/A	N.D.	
	DBP		N/A	N.D.	
	BBP DEHP		N/A	N.D.	
			N/A	N.D.	
		Pb	BL	/	
		Cd Cd	BL	/	
-	Hg		BL	/	
		Cr ⁶⁺)	BL	/	
8	Br	PBBs PBDEs	BL	/	Conformity
 	וח	IBP	N/A	N.D.	
 		BP	N/A	N.D.	
-		BP	N/A	N.D.	
-		EHP	N/A	N.D.	



Test point	Test Item		X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	Pb		BL	/	
		Cd	BL	/	
		Hg	BL	/	
	Cr((Cr ⁶⁺)	BL	/	
9	Br	PBBs PBDEs	N/A	/	Conformity
	D	OIBP	N/A	/	
)BP	N/A	/	
		BBP	N/A	/	
		EHP	N/A	/	
		Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
		(Cr^{6+})	BL	/	
10	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	/	
11	Br	PBBs PBDEs	BL	/	Conformity
	D	OIBP	N/A	N.D.	
)BP	N/A	N.D.	
		BBP	N/A	N.D.	
	DEHP		N/A	N.D.	ı
		Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
		(Cr ⁶⁺)	BL	/	
12	Br PBBs PBDEs		N/A	/	Conformity
ŀ	n.	IBP	N/A	/	
ŀ)BP	N/A	/	
ŀ		BBP	N/A	/	
ŀ				,	
	DEHP		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(0	Cr ⁶⁺)	BL	/	
13	D.,	PBBs	DI	/	C f : t
13	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.	
	P	P b	BL	/	
	(Cd	BL	/	
		Ig	BL	/	
	Cr(0	Cr ⁶⁺)	IN	N.D.	
14	Br	PBBs	BL	/	Conformity
14	Br	PBDEs	BL	/	
	DIBP		N/A	N.D.	
	DBP		N/A	N.D.	
	BBP		N/A	N.D.	
	DE	ЕНР	N/A	N.D.	
	Pb		BL	/	
	Cd		BL	/	
	Hg		BL	/	
	Cr(Cr ⁶⁺)		BL	/	
15	Br	PBBs PBDEs	BL	/	Conformity
	DI	BP	N/A	N.D.	
	D:	BP	N/A	N.D.	
		BP	N/A	N.D.	
	DEHP		N/A	N.D.	
		P b	IN	363	
	(Cd	BL	/	
	Hg		BL	/	
		Cr ⁶⁺)	BL	/	
16		PBBs	N/A	/	Conformity
10	Br PBDEs	PBDEs		/	Comoning
	DI	BP	N/A	/	
	D	BP	N/A	/	
	B	BP	N/A	/	
	DE	EHP	N/A	/	



Test point	Test Item		X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	C05443231128-00
	I	Pb	BL	/	
	(Cd	BL	/	
		łg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
17	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	/	
<u> </u>		Cd	BL	/	
		Hg	BL	/	
	Cr(- <u>s</u> Cr ⁶⁺)	BL	/	
18	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	/	
	$Cr(Cr^{6+})$		IN	N.D.	
19	Br	PBBs PBDEs	N/A	/	Conformity
	D	IBP	N/A	/	
	DBP		N/A	/	
		BP	N/A	/	
	DEHP		N/A	/	
		Pb	BL	/	
		Cd	BL	/	
-	Hg		BL	/	
		Cr ⁶⁺)	BL	/	
20	Br	PBBs PBDEs	BL	/	Conformity
 	D.	IBP	N/A	N.D.	
<u> </u>		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	C05443231128-00
	I	Pb	BL	/	
	(Cd	BL	/	
	F	łg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
21	Br	PBBs PBDEs	N/A	/	Conformity
	D	IBP	N/A	/	
		BP	N/A	/	
		BP	N/A	/	
		ЕНР	N/A	/	
		Pb	BL	/	
		Cd	BL	/	
-			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
	D	IBP	N/A	/	
		BP	N/A	/	
		BP	N/A	/	
	DEHP		N/A	/	
		Pb	BL	/	
		Cd	BL	/	
 	Hg		BL	/	
	Cr(- <u>s</u> Cr ⁶⁺)	IN	N.D.	
24	Br	PBBs PBDEs	N/A	/	Conformity
 	D ₁	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
		Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
25	Br	PBBs PBDEs	BL	/	Conformity
	D	IBP	N/A	N.D.	
		BP	N/A	N.D.	
	В	BP	N/A	N.D.	
	D)	ЕНР	N/A	N.D.	
		Pb	BL	/	
		Cd	BL	/	
]	Hg	BL	/	
		Cr ⁶⁺)	IN	N.D.	
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 ⁶⁺)		BL	/	
27	Br	PBBs PBDEs	BL	/	Conformity
	DIBP		N/A	N.D.	1
	Г	BP	N/A	N.D.	
		BP	N/A	N.D.	
	D)	ЕНР	N/A	N.D.	
	-	Pb	BL	/	
	(Cd	BL	/	
]	Hg	BL	/	
		Cr ⁶⁺)	BL	/	
28	Br	PBBs PBDEs	IN	N.D. N.D.	Conformity
	T)	IBP	N/A	N.D. N.D.	·
		BP		N.D. N.D.	
		BP BP	N/A N/A	N.D. 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	b	BL	/	
	(Cd	BL	/	
	H	Ig	BL	/	
	Cr(0	$\mathbb{C}r^{6+}$)	BL	/	
20	D	PBBs	DT/A	/	G 6 '4
29	Br	PBDEs	N/A	/	Conformity
	DI	BP	N/A	/	
	D:	BP	N/A	/	
	B	BP	N/A	/	
	DE	НР	N/A	/	
	F	b	BL	/	
	(Cd	BL	/	
	H	Ig	BL	/	
	Cr(C	Cr ⁶⁺)	BL	/	
20	D.,	PBBs	DI	/	C f : t -
30	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(C	Cr ⁶⁺)	BL	/	
31	Br	PBBs PBDEs	BL	/	Conformity
_	DI	BP	N/A	N.D.	
	D:	BP	N/A	N.D.	
		BP	N/A	N.D.	
		CHP	N/A	N.D.	
		Pb	BL	/	
	(Cd	BL	/	
	H	lg	BL	/	
		Cr ⁶⁺)	BL	/	
32	Br PBBs PBDEs		BL	/	Conformity
	DI	BP	N/A	N.D.	
		BP	N/A	N.D.	
		BP	N/A	N.D.	
		CHP	N/A	N.D.	



Test point	Test	Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	Pb		BL	/	
-	(Cd	BL	/	
	F	Ig	BL	/	
		Cr^{6+})	BL	/	
22		PBBs	DI	/	G 6 :
33	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	/	
	Н	lg	BL	/	
		Cr ⁶⁺)	BL	/	
		PBBs		/	
34	Br 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	/	
	F	Ig	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
35	Br	PBBs PBDEs	BL	/	Conformity
	DI	BP	N/A	N.D.	
		BP	N/A	N.D.	
		BP	N/A	N.D.	
		НР	N/A	N.D.	
		b	BL	/	
		Cd	BL	/	
		Ig	BL	/	
		Cr^{6+}	BL	/	
36	Br PBBs PBDEs		BL	/	Conformity
-	DI	BP	N/A	N.D.	
+		BP	N/A	141	
+		BP	N/A	N.D.	
-		CHP	N/A	N.D.	



Test point	Test Item		X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	C05443231128-00
	I	Pb	BL	/	
	(Cd	BL	/	
	F	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
37	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	/	
		Hg	BL	/	
		Cr ⁶⁺)	BL	/	
38	Br	PBBs PBDEs	N/A	/	Conformity
	DIBP		N/A	/	
	DBP		N/A	/	
	BBP		N/A	/	
	DEHP		N/A	/	
	Pb		BL	/	
	Cd		BL	/	
	Hg		BL	/	
	$Cr(Cr^{6+})$		IN	N.D.	
39	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(Cr ⁶⁺)	BL	/	
40	Br	PBBs PBDEs	BL	/	Conformity
 	D.	IBP	N/A	N.D.	-
<u> </u>		BP	N/A	N.D.	
		BP	N/A	N.D.	
_		EHP	N/A	N.D.	

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.

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



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	/	
41	Br	PBBs PBDEs	N/A	/	Conformity
	D	OIBP	N/A	/	
)BP	N/A	/	
		BBP	N/A	/	
		EHP	N/A	/	
		Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
		(Cr^{6+})	IN	N.D.	
42	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	/	
42		PBBs	D.I.	N.D.	G C :
43	Br PBDEs		IN	N.D.	Conformity
	D	IBP	N/A	N.D.	
Ī	Γ)BP	N/A	N.D.	
	E	BBP	N/A	N.D.	
	D.	ЕНР	N/A	N.D.	
		Pb	BL	/	
	-	Cd	BL	/	
	Hg		BL	/	1
	Cr((Cr^{6+})	BL	/	
44	Br PBBs PBDEs		N/A	/	Conformity
<u> </u>	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
	F	b	BL	/	
	(Cd	BL	/	
	F	Ig	BL	/	
	Cr(0	$\mathbb{C}r^{6+}$)	BL	/	
45	Br	PBBs PBDEs	BL	/	Conformity
-	DI	BP	N/A	N.D.	
		BP	N/A	N.D.	
-		BP	N/A	N.D.	
-		CHP	N/A	N.D.	
-		<u>'b</u>	BL	/	
_		Cd .	BL	/	
_		<u>Ig</u>	BL	/	
_	Cr(C	Cr ⁶⁺)	BL	/	
46	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	/	
	T.	lg	BL	/	
		Cr ⁶⁺)	BL	/	
47	Br	PBBs PBDEs	BL	/	Conformity
-	DI	BP	N/A	N.D.	
		BP	N/A	N.D.	
		BP	N/A	N.D.	
-		CHP	N/A	N.D.	
		b	BL	/	
-		Cd Cd	BL	/	
-		Ig	BL	/	
-		Cr^{6+})	BL	/	
48	Br	PBBs	BL	/	Conformity
-	Di	PBDEs	NT/A	N.D.	
<u> </u>		BP	N/A	N.D.	
<u> </u>		BP DR	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	C05443231128-00
	I	Pb	BL	/	
	(Cd	BL	/	
	F	łg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
49	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	/	
		Нg	BL	/	
		Cr ⁶⁺)	IN	N.D.	
50	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	/	
51	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	/	
52	Br PBBs PBDEs		N/A	/	Conformity
-	ות	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
		Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
	Cr	(Cr ⁶⁺)	IN	N.D.	
53	Br	PBBs PBDEs	N/A	/	Conformity
	D	OIBP	N/A	/	
)BP	N/A	/	
		BBP	N/A	/	
		EHP	N/A	/	
		Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
		(Cr^{6+})	BL	/	
<u>.</u> .	Br	PRRs		N.D.	
54		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	/	
	Нд		BL	/	
		(Cr ⁶⁺)	BL	/	l
55	Br	PBBs PBDEs	N/A	/	Conformity
	D	OIBP	N/A	/	
)BP	N/A	/	
		BBP	N/A	/	
		EHP	N/A	/	
		Pb	BL	/	
		Cd	BL	/	
56		Hg	BL	/	
		(Cr ⁶⁺)	BL	/	
	PBBs PBBs		BL	/	Conformity
-	77	PBDEs	NT/A	/	
		IBP	N/A	N.D.	
		OBP ODD	N/A	N.D.	
		BBP	N/A	N.D.	
	DEHP		N/A	N.D.	<u> </u>



Test point	Test Item		X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	C05443231128-00
	I	Pb	BL	/	
	(Cd	BL	/	
		łg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
57	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	/	
58	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	/	
59	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	/	
	$Cr(Cr^{6+})$		BL	/	
60	Br PBBs PBDEs		BL	/	Conformity
-	D.	IBP	N/A	N.D.	
 		BP	N/A	N.D.	
<u> </u>		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
		Pb	BL	/	
		Cd	BL	/	
	-	Hg	BL	/	
		(Cr ⁶⁺)	BL	/	
61	Br	PBBs	BL	/	Conformity
		PBDEs		/	•
		IBP	N/A	N.D.	
		OBP	N/A	N.D.	
		BBP	N/A	N.D.	
		EHP	N/A	N.D.	
		Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
	Cr	(Cr^{6+})	BL	/	
62	Br	PBBs PBDEs	N/A	/	Conformity
	DIBP		N/A	/	
	DBP		N/A	/	
	BBP		N/A	/	
	DEHP		N/A	/	
	Pb		BL	/	
	Cd		BL	/	
		<u></u> Нg	BL	/	
		(Cr^{6+})	BL	/	
63	Br	PBBs	BL	/	Conformity
		PBDEs	DT/A	,	3
		OIBP	N/A	N.D.	
		OBP OBP	N/A	N.D.	
		BBP	N/A	N.D.	
		EHP	N/A	N.D.	
		Pb	BL	/	
		Cd	BL	/	
_	Hg		BL	/	ı
	Cr	(Cr^{6+})	BL	/	
64	Br PBBs PBDEs		N/A	/	Conformity
	D	OIBP	N/A	/	
)BP	N/A	/	
		BBP	N/A	/	
				,	
		ЕНР	N/A N/A	/	



Test point	Test Item		X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	C05443231128-0
]	Pb	BL	/	
	(Cd	BL	/	
		Hg	BL	/	
	Cr(Cr ⁶⁺)	IN	N.D.	
65	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	/	
			BL	/	
		Cr ⁶⁺)	BL	/	
66	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	/	
		-Ig	BL	/	
		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(Cr ⁶⁺)	IN	N.D.	
68			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	łg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
(0)	D	PBBs	DI	/	G 6 :
69	Br	PBDEs	BL	/	Conformity
	Dl	BP	N/A	N.D.	
	D	BP	N/A	N.D.	
	В	BP	N/A	N.D.	
	DH	ЕНР	N/A	N.D.	
	I	Pb	BL	/	
	(Cd	BL	/	
	I	łg	BL	/	
		Cr ⁶⁺)	BL	/	
5 0	<u>`</u>	PBBs	D.1	/	Conformity
70	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	/	
	F	Ig	BL	/	
		Cr ⁶⁺)	BL	/	
	Br PBBs PBDEs			N.D.	
71			IN	N.D.	Conformity
	Di	BP	N/A	N.D.	
		BP	N/A	N.D.	
		BP	N/A	N.D.	
		ЕНР	N/A	N.D.	
		P b	BL	/	
		Cd Cd	BL	/	
		Ig	BL	/	
		Cr ⁶⁺)	BL	/	
		PBBs		/	a
72	Br	PBDEs	N/A	/	Conformity
	Di	BP	N/A	/	1
		BP	N/A	/	
		BP	N/A	/	
		EHP	N/A	/	

Remark: The samples of the following test points were submitted on November 29, 2023:6,29



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

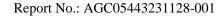
Negative indicates the absence of Cr(VI) on the tested areas concentration is below the limit of quantification. The coating is considered a non-Cr(VI) based coating.

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).

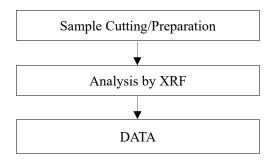
Storage conditions and production date of the tested sample are unavailable and thus result of Cr(VI) represent status of the sample at the time of testing.

(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.

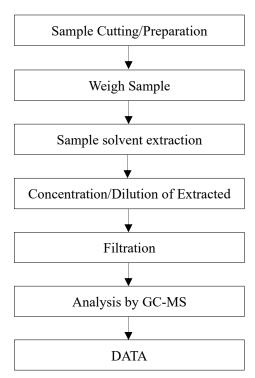


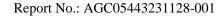


Test Flow Chart of XRF



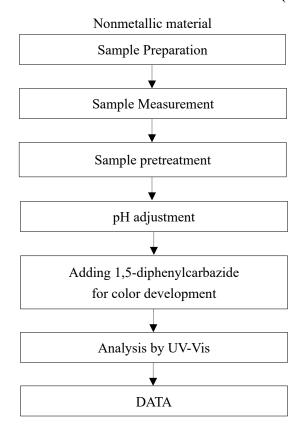
Test Flow Chart of Phthalates

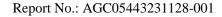






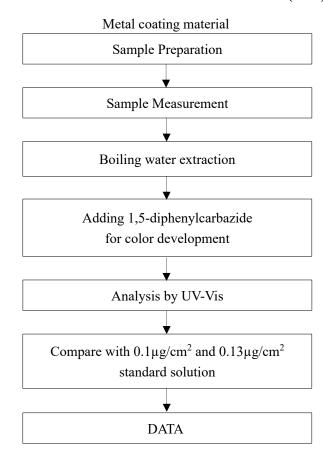
Test Flow Chart of Hexavalent Chromium (Cr6+)

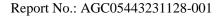






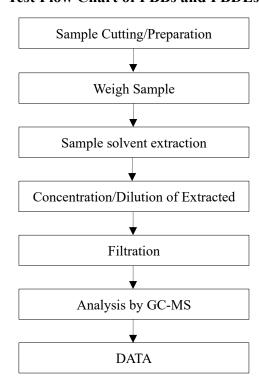
Test Flow Chart of Hexavalent Chromium (Cr6+)

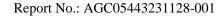






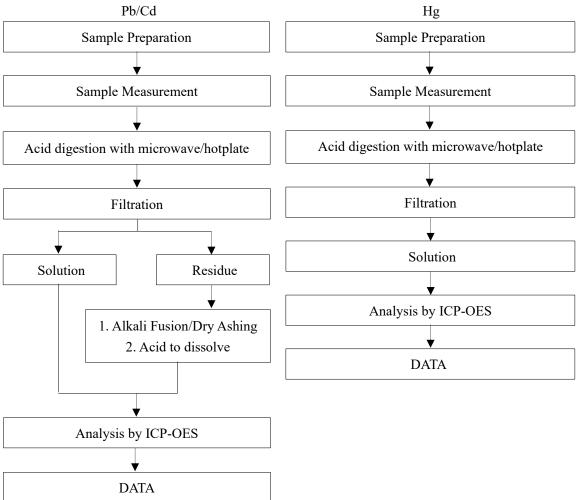
Test Flow Chart of PBBs and PBDEs







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").
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- 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 ***