

Test Report

Report No. : AGC05443240944-002

SAMPLE NAME : USB portable fan with stand

MODEL NAME : MO2490

APPLICANT: MID OCEAN BRANDS B.V.

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

DATE OF ISSUE : Oct. 16, 2024

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 : USB portable fan with stand

Model : MO2490

Vendor code : 114036

Country of Origin : CHINA

Country of Destination : EUROPE

Sample Received Date : Sep. 20, 2024

Testing Period : Sep. 20, 2024 to Oct. 15, 2024

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.: AGC05443240944-002

Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 50

- Polycyclic-aromatic Hydrocarbons (PAHs) Content

Pass

Approved by:

Suhongliang, Leon

Technical Director



Report Revise Record

Report Version	Issued Date	Valid Version	Notes
/	Oct. 16, 2024	Valid	Initial release

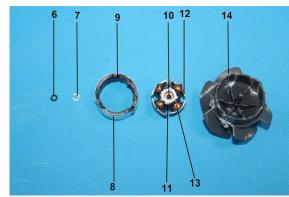


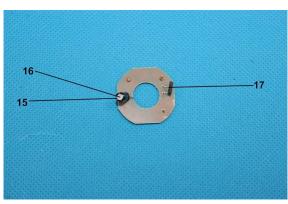


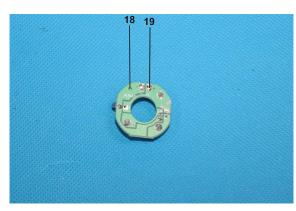


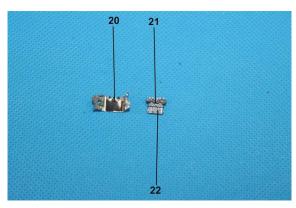


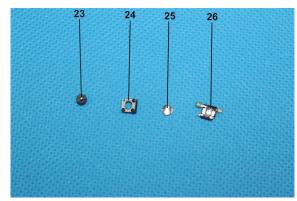






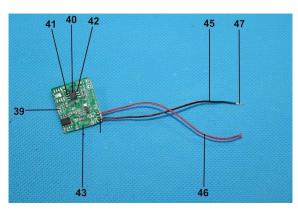


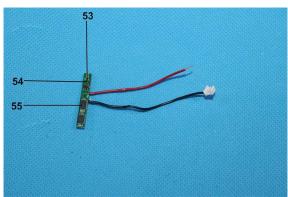


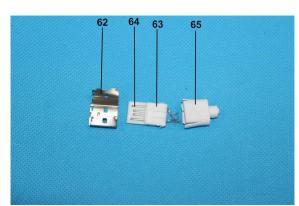


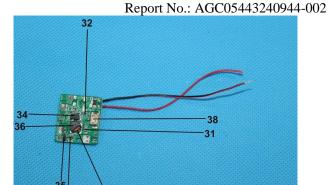
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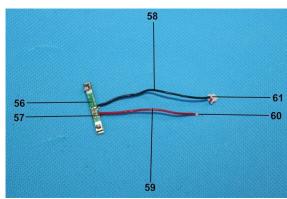


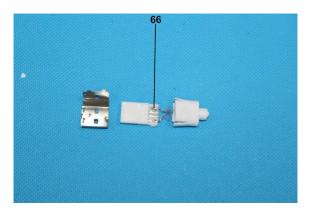




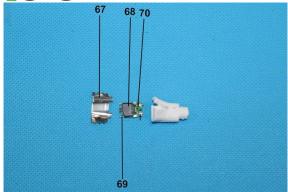


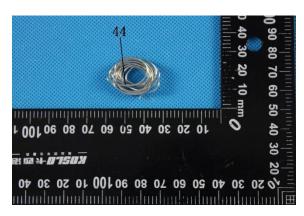




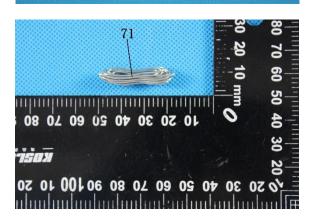












The photo of AGC05443240944-002 is for use only with the original report.

Test Point Description

rest i omt De	est I ome Description				
Test point	Test module	Test parts	Test point description		
1			White plastic shell		
2			White plastic fan blade		
3		Outer shell	White plastic button		
4			White foam pad with glue		
5			Black rubberized fabric		
6			Black sealing ring		
7	Motor		White plastic sheet		
8			Metallic shell		



			Report No AUC03443240944-002
9			Black magnetic glue
10			Copper bearing
11			Black plastic framework
12			Silicon lamination
13			Enameled wire
14			Grey plastic fan blade
15		Electrolytic capacitor	Black bushing
16		Electrolytic capacitor	Metallic shell
17			Triode
18			PCB
19			Solder
20			Type-C metal connector
21		Type-C connector	Grey plastic joint
22			Metal pin
23			Black plastic button
24		17	Metallic shell
25		Key	Metallic shrapnel
26			Black plastic base
27			Aluminum shell
28	1	Aluminum capacitor	Electrode foil
29			Black rubber stopper
30			Black plastic base
31			Chip capacitor
32	1		Chip resistor
33			Chip inductor
34	Circuit board		Chip diode
35			Chip triode
36		Magnetic frame	Black magnetic frame
37		inductance	Enameled wire
38			White plastic terminal base
39			Chip LED
40			IC body
41		IC	Solder at the pins
42	1		Metal pin
43	1		PCB
44			Solder
45			Black wire jacket
46			Red wire jacket
47	1		Conductor
48			Black foam with glue
49		+	Blue bushing
50		Battery	Purple bushing
51			Barley paper
52		-	White plastic sheet
52			white plastic sheet



		Report 110:: 110003443240744 002
53		Chip capacitor
54		Chip resistor
55		IC
56		PCB
57		Solder
58		Black wire jacket
59		Red wire jacket
60		Conductor
61		White plastic terminal
USB cable		
62		USB metal plug
63		White plastic plug
64	 USB plug	Metal pin
65		White handle
66		Solder
67		Type-C metal plug
68		Grey plastic plug
69	 Type-C plug	Metallic pogopin
70		PCB
71		Solder
72		White outer wire jacket
73	 W: 1	Red wire jacket
74	 Wire rod	White wire jacket
75		Conductor
1-1+1-2+	 	White plastic shell+White plastic fan blade+White
1-3		plastic button
1-4	 	White foam pad with glue
1-5	 	White handle
1-6	 	White outer wire jacket

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% Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019/CNAS-GL015:2022.

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

- Pb, Cd, Hg, 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 μg/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	Conclusion
	Pb		BL	/	
	C	Cd .	BL	/	
		[g	BL	/	
	Cr(0	Cr ⁶⁺)	BL	/	
1	Br	PBBs	BL	/	Conformity
1	Di	PBDEs	DL	/	Comornity
	DI	BP	N/A	N.D.	
	\mathbf{D}	BP	N/A	N.D.	
	Bl	BP	N/A	N.D.	
	DE	HP	N/A	N.D.	
	P	b	BL	/	
	C	Cd	BL	/	
		[g	BL	/	
	Cr(0	Cr^{6+})	BL	/	
2	Br	PBBs	BL	/	Conformity
2	Br	PBDEs	DL	/	
	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
	DI	BP	N/A	N.D.	
	DBP		N/A	N.D.	
	Bl	ВР	N/A	N.D.	
	DEHP		N/A	N.D.	
	P	b	BL	/	
Ţ	(Cd	BL	/	
	Hg		BL	/	
		Cr^{6+})	BL	/	
4	Br	PBBs PBDEs	BL	/	Conformity
	DI	BP	N/A	N.D.	
		BP	N/A	N.D.	
		BP	N/A	N.D.	
		HP	N/A	N.D.	



Test point	Test Item		X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
]	Pb	BL	/	
	(Cd	BL	/	
	I	Нg	BL	/	
		Cr ⁶⁺)	BL	/	
<u>~</u>		PBBs	DI	/	
5	Br	PBDEs	BL	/	Conformity
	D	IBP	N/A	N.D.	
	D	BP	N/A	N.D.	
-	В	BP	N/A	N.D.	
-	DI	ЕНР	N/A	N.D.	
]	Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
		Cr ⁶⁺)	BL	/	
_		PBBs		/	Conformity
6	Br	PBDEs	BL	/	
-	DIBP		N/A	N.D.	
-	DBP		N/A	N.D.	
-	BBP		N/A	N.D.	
	DEHP		N/A	N.D.	
		2b	BL	/	
-	Cd		BL	/	
-	Hg		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.	
-	DEHP		N/A	N.D.	
		Pb	BL	/	
-	Cd		BL	/	
	Hg		BL	/	
	Cr(Cr ⁶⁺)		BL	/	
		PBBs		/	
8	l Rr	PBDEs	N/A	/	Conformity
-	D	IBP	N/A	/	
-				/	
-		BP	N/A	/	
-		BP EHP	N/A N/A	/	



Test point	Test	Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	F	b	BL	/	
	C	Cd	BL	/	
	F	Ig	BL	/	
	Cr(0	Cr^{6+})	BL	/	
		PBBs	DI	/	G 6 :
9	Br	PBDEs	BL	/	Conformity
	DI	BP	N/A	N.D.	
	D.	BP	N/A	N.D.	
	В	BP	N/A	N.D.	
	DE	CHP	N/A	N.D.	
	F	b	BL	/	
	(Cd	BL	/	
	Н	lg	BL	/	
		Cr ⁶⁺)	BL	/	
1.0		PBBs		/	Conformity
10	Br	PBDEs	N/A	/	
	DIBP		N/A	/	
_	DBP		N/A	/	
_	BBP		N/A	/	
_	DEHP		N/A	/	
	Pb		BL	/	Conformity
_	Cd		BL	/	
_	Hg		BL	/	
_	$Cr(Cr^{6+})$		BL	/	
	Br PBBs PBDEs			N.D.	
11			IN	N.D.	
_	DI	BP	N/A	N.D.	
_		BP	N/A	N.D.	
_		BP	N/A	N.D.	
_	DEHP		N/A	N.D.	
		rb	BL	/	
<u> </u>		Cd Cd	BL	/	
		lg	BL	/	
		Cr^{6+})	BL	/	
1.5		PBBs		/	
12	Br PBDEs		N/A	/	Conformity
	DI	BP	N/A	/	1
		BP	N/A	/	
		BP	N/A	/	
-		CHP	N/A	/	



Test point	Test	Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	Pb		BL	/	
	(Cd	BL	/	
	H	Ig	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
13		PBBs	DI	/	Conformity
13	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	b	BL	/	
	C	Cd	BL	/	
	H	Ig	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
1.4	D	PBBs	DI	/	Conformity
14	Br	PBDEs	BL	/	
	DIBP		N/A	N.D.	
	DBP		N/A	N.D.	
	BBP		N/A	N.D.	
	DEHP		N/A	N.D.	
	Pb		BL	/	
	Cd		BL	/	
	Hg		BL	/	
	$Cr(Cr^{6+})$		BL	/	
15	Br	PBBs PBDEs	BL	/	Conformity
_	DI	BP	N/A	N.D.	
_		BP	N/A	N.D.	
		BP	N/A	N.D.	
_	DEHP		N/A	130	
		P b	BL	/	
	Cd		BL	/	
_	Hg		BL	/	
		Cr ⁶⁺)	BL	/	
ļ		PBBs		/	
16	Hr -	PBDEs	N/A	/	Conformity
<u> </u>	DI	BP	N/A	/	
<u> </u>		BP	N/A	/	
<u> </u>		BP	N/A	/	
		EHP	N/A	/	



Test point	Test	Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	I	P b	BL	/	
	(Cd	BL	/	
	ŀ	Ig	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
17	D	PBBs	DI	/	G 6 :
17	Br	PBDEs	BL	/	Conformity
	Dl	BP	N/A	N.D.	
	D	BP	N/A	N.D.	
	В	BP	N/A	N.D.	
	DE	ЕНР	N/A	N.D.	
	I	' b	BL	/	
	(Cd	BL	/	
	ŀ	Ig	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
10	D.,	PBBs	DI	/	C f ; t
18	Br	PBDEs	BL	/	Conformity
	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	/	
	Нд		BL	/	
	$Cr(Cr^{6+})$		BL	/	
19	Br	PBBs PBDEs	N/A	/	Conformity
	Dl	BP	N/A	/	
	D	BP	N/A	/	
		BP	N/A	/	
	DEHP		N/A	/	1
		' b	BL	/	
	(Cd	BL	/	
	Hg		BL	/	
		Cr ⁶⁺)	BL	/	
20	Br	PBBs PBDEs	N/A	/	Conformity
	DI	BP	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
	F	P b	BL	/	
	(Cd	BL	/	
	F	Ig	BL	/	
	Cr(0	Cr ⁶⁺)	BL	/	
2.1		PBBs	DI	/	G C :
21	Br	PBDEs	BL	/	Conformity
	DI	BP	N/A	N.D.	
	D	BP	N/A	N.D.	
	В	BP	N/A	N.D.	
	DE	ЕНР	N/A	N.D.	
	F	Pb	BL	/	
	(Cd	BL	/	
	F	Ig	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
22		PBBs	27/4	/	
22	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	/	
23	Br	PBBs PBDEs	BL	/	Conformity
	DI	BP	N/A	N.D.	
		BP	N/A	N.D.	
		BP	N/A	N.D.	
	DEHP		N/A	N.D.	
		P b	BL	/	
		Cd	BL	/	1
	Hg		BL	/	
		Cr^{6+})	BL	/	
24	Br	PBBs	N/A	/	Conformity
_	וח	PBDEs	NT/A	/	
_		BP	N/A	/	
_		BP	N/A	/	
<u> </u>		BP CHP	N/A N/A	/	



Test point	Test	Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	F	b	BL	/	
	(Cd Cd	BL	/	
		Ig	BL	/	
	Cr(0	Cr ⁶⁺)	IN	N.D.	
25	D.,	PBBs	N/A	/	Canfamaita
23	Br	PBDEs	IN/A	/	Conformity
	DI	BP	N/A	/	
	D:	BP	N/A	/	
	В	BP	N/A	/	
	DE	НР	N/A	/	
	F	b	BL	/	
	C	Cd	BL	/	
	Н	Ig	BL	/	
	Cr(0	Cr ⁶⁺)	BL	/	
26	D	PBBs	DI	/	G 6 :
26	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	/	
	C	Cd	BL	/	
	Hg		BL	/	
	Cr(Cr ⁶⁺)		BL	/	
27	Br	PBBs PBDEs	N/A	/	Conformity
	DI	BP	N/A	/	
	DBP		N/A	/	
		BP	N/A	/	
	DEHP		N/A	/	
		Pb	BL	/	
		Cd	BL	/	
	Hg		BL	/	
		Cr^{6+})	BL	/	
28	Br	PBBs PBDEs	N/A	/	Conformity
-	DI	BP	N/A	/	
-		BP	N/A	/	
-		BP	N/A	/	
-		CHP	N/A	/	



Test point	Tes	t Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	C05443240944-0
		Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
	Cr	(Cr ⁶⁺)	BL	/	
29	Br	PBBs PBDEs	BL	/	Conformity
	D	DIBP	N/A	N.D.	
)BP	N/A	N.D.	
		BBP	N/A	N.D.	
		ЕНР	N/A	N.D.	
		Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
		(Cr^{6+})	BL	/	
30	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	/	
31	Br	PBBs PBDEs	BL	/	Conformity
-	D	DIBP	N/A	N.D.	
-)BP	N/A	N.D.	
-		BBP	N/A	N.D.	
-		EHP	N/A	N.D.	
		Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
		(Cr^{6+})	BL	/	
32	PBBs PBBs		BL	/	Conformity
-	T.	PBDEs DIBP	N/A	N.D.	•
-)BP		N.D.	
-		BBP	N/A N/A	N.D.	
-					
	D	EHP	N/A	N.D.	



PBDES	onformity exemption ause 7(c)-I
Hg	onformity xemption
Cr(Cr ⁶⁺) BL	onformity xemption
Br	onformity xemption
Br PBDEs BL /	onformity xemption
DIBP N/A N.D.	xemption
DBP	xemption
BBP N/A N.D. DEHP N/A N.D. Pb OL / Cd BL / Hg BL / Cr(Cr ⁶⁺) BL / Br PBBs BL / DIBP N/A N.D. DBP N/A N.D. BBP N/A N.D. DEHP N/A N.D. Pb BL / Cd BL / Hg BL / Cr(Cr ⁶⁺) BL / Br PBBs BL / PBDEs N/A N.D.	xemption
DEHP N/A N.D.	xemption
Pb	xemption
Cd	xemption
Hg	xemption
Cr(Cr ⁶⁺) BL	xemption
Br	xemption
Br PBDEs BL / Class Class	
DIBP N/A N.D. DBP N/A N.D. BBP N/A N.D. BBP N/A N.D. DEHP N/A N.D. Pb BL / Cd BL / Hg BL / Cr(Cr ⁶⁺) BL / Cr(Cr ⁶⁺) BL / DIBP N/A N.D. DBP N/A N.D.	ause 7(c)-I
DBP N/A N.D.	clause 7(c)-I
BBP N/A N.D.	
DEHP N/A N.D.	
Pb BL /	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
Hg BL /	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
35 Br PBBs BL / C PBDEs	
Br PBDEs BL / C	
DBP N/A N.D.	onformity
BBP N/A N.D.	
DEHP N/A N.D.	
Pb BL /	
Cd BL /	
Hg BL /	
$Cr(Cr^{6+})$ BL /	
PRRe /	onformity
DIBP N/A N.D.	
DIBP 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
]	Pb	BL	/	
	(Cd	BL	/	
		-Ig	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
27		PBBs	DI	/	C
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	Нg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
20	ъ.	PBBs		/	Conformity
38	Br	PBDEs	BL	/	
	DIBP		N/A	N.D.	
-	DBP		N/A	N.D.	
	BBP		N/A	N.D.	
	DEHP		N/A	N.D.	
	Pb		BL	/	
-	Cd		BL	/	
-	Hg		BL	/	
-	$Cr(Cr^{6+})$		BL	/	
39	Br	PBBs PBDEs	BL	/	Conformity
	DIBP		N/A	N.D.	
	DBP		N/A	N.D.	
		BP	N/A	N.D.	
	DEHP		N/A	N.D.	
		Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	1
		Cr ⁶⁺)	BL	/	
40	Br	PBBs PBDEs	BL	/	Conformity
	D	IBP	N/A	N.D.	
-		BP	N/A	N.D.	
-		BP	N/A	N.D.	
-		ЕНР	N/A	N.D.	



Test point	Tes	t Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Cos443240944-0
		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+})	BL	/	
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	/	
	Br PBBs PBDEs			N.D.	
43			IN	N.D.	Conformity
	DIBP		N/A	N.D.	
	DBP		N/A	N.D.	
		BBP	N/A	N.D.	
		ЕНР	N/A	N.D.	
		Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
		(Cr^{6+})	BL	/	
44	Br PBBs PBDEs		N/A	/	Conformity
ŀ	Г	OIBP	N/A	/	
ŀ)BP	N/A	/	
ŀ		BBP	N/A	/	
ŀ		EHP	N/A	/	
	D	ыш	1 N/A	/	



Test point	Test	Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	F	b	BL	/	
	(Cd Cd	BL	/	
		Ig	BL	/	
	Cr(C	Cr ⁶⁺)	BL	/	
45	Br	PBBs PBDEs	BL	/	Conformity
-	DI	BP	N/A	N.D.	
		BP	N/A N/A	N.D.	
-		BP	N/A	N.D.	
-		CHP	N/A N/A	192	
				/	
-		<mark>eb</mark> Ed	BL	/	
<u> </u>			BL	/	
<u> </u>		<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	/	
	Hg		BL	/	
	Cr(Cr ⁶⁺)		BL	/	
47	Br	PBBs PBDEs	N/A	/	Conformity
	DIBP DBP		N/A	/	
			N/A	/	
		BP	N/A	/	
	DEHP		N/A	/	
		b	BL	/	
		Cd Cd	BL	/	
	Hg		BL	/	
		Cr^{6+})	BL	/	
48	Br	PBBs PBDEs	BL	/	Conformity
<u> </u>	DI	BP	N/A	N.D.	
-					
 -		BP	N/A	N.D.	
<u> -</u>		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	b	BL	/	
	(Cd Cd	BL	/	
		Ig	BL	/	
	Cr(0	Cr ⁶⁺)	BL	/	
40		PBBs	DI	/	C C :
49	Br	PBDEs	BL	/	Conformity
	DI	BP	N/A	N.D.	
	D	BP	N/A	N.D.	
	В	BP	N/A	N.D.	
	DE	ЕНР	N/A	N.D.	
	F	b	BL	/	
	C	Cd	BL	/	
	Н	lg	BL	/	
		Cr^{6+})	BL	/	
		PBBs		/	Conformity
50	Br	PBDEs	BL	/	
	DIBP		N/A	N.D.	
	DBP		N/A	N.D.	
	BBP		N/A	N.D.	
	DEHP		N/A	N.D.	
	Pb		BL	/	
	Cd		BL	/	
	Hg		BL	/	
	$Cr(Cr^{6+})$		BL	/	
51	Br	PBBs PBDEs	BL	/	Conformity
	DIBP DBP		N/A	N.D.	
			N/A	N.D.	
		BP	N/A	N.D.	
		НР	N/A	N.D.	
		rb	BL	/	
		Cd Cd	BL	/	
	Hg		BL	/	
		Cr^{6+}	BL	/	
52	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
	F	P b	BL	/	
	(Cd	BL	/	
		Ig	BL	/	
	Cr(0	Cr ⁶⁺)	BL	/	
53		PBBs	DI	/	Conformity
33	Br	PBDEs	BL	/	Conformity
	DI	BP	N/A	N.D.	
	D	BP	N/A	N.D.	
	В	BP	N/A	N.D.	
	DE	ЕНР	N/A	N.D.	
	F	Pb	BL	/	
	(Cd	BL	/	
	H	Ig	BL	/	
	Cr(C	Cr ⁶⁺)	BL	/	
		PBBs	DI	/	Conformity
54	Br	PBDEs	BL	/	
	DIBP		N/A	N.D.	
	DBP		N/A	N.D.	
	BBP		N/A	N.D.	
	DEHP		N/A	N.D.	
	Pb		BL	/	
	Cd		BL	/	
	Hg		BL	/	
	$Cr(Cr^{6+})$		BL	/	ı
55	Br	PBBs PBDEs	BL	/	Conformity
	DIBP DBP		N/A	N.D.	
			N/A	N.D.	l
		BP	N/A	N.D.	
	DEHP		N/A	N.D.	
		Pb	BL	/	
		Cd	BL	/	
	Hg		BL	/	
		Cr^{6+}	BL	/	
<u> </u>		PBBs		N.D.	
56	Br	PBDEs	IN	N.D.	Conformity
<u> </u>	DI	BP	N/A	N.D.	
<u> </u>		BP	N/A	N.D.	
<u> </u>		BP	N/A	N.D.	
-		EHP	N/A	N.D.	



Test point	Tes	t Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
		Pb	BL	/	
		Cd	BL	/	
		Hg	BL	/	
	Cr	(Cr ⁶⁺)	BL	/	
57	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	/	
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	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+})	BL	/	
60	Br PBBs PBDEs		N/A	/	Conformity
-	D	OIBP	N/A	/	
-)BP	N/A	/	
		BBP	N/A	/	
		ББР ЕНР	N/A	/	
	D.	LHF	1N/A	/	



Test point	Test	Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	F	P b	BL	/	
	C	Cd	BL	/	
	H	Ig	BL	/	
	Cr(0	Cr ⁶⁺)	BL	/	
(1		PBBs	DI	/	G C :
61	Br	PBDEs	BL	/	Conformity
	DI	BP	N/A	N.D.	
	D:	BP	N/A	N.D.	
	В	BP	N/A	N.D.	
	DE	ЕНР	N/A	N.D.	
	F	Pb	BL	/	
	C	Cd	BL	/	
	H	Ig	BL	/	
	Cr(C	Cr ⁶⁺)	BL	/	
		PBBs	27/4	/	Conformity
62	Br	PBDEs	N/A	/	
	DIBP		N/A	/	
	DBP		N/A	/	
	BBP		N/A	/	
	DEHP		N/A	/	
	Pb		BL	/	
	Cd		BL	/	
	Hg		BL	/	
	$Cr(Cr^{6+})$		BL	/	
63	Br	PBBs PBDEs	BL	/	Conformity
	DIBP		N/A	N.D.	
	DBP		N/A	N.D.	
		BP	N/A	N.D.	
	DEHP		N/A	N.D.	
		P b	BL	/	
		Cd	BL	/	
	Hg		BL	/	
ļ		Cr ⁶⁺)	BL	/	
64		PBBs		/	Conf
64	Br	PBDEs	N/A	/	Conformity
Ī	DI	BP	N/A	/	
Ī	D	BP	N/A	/	
Ī		BP	N/A	/	
	DE	ЕНР	N/A	/	



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(Cr ⁶⁺)	BL	/	
65		PBBs	DI	/	C C :
65	Br	PBDEs	BL	/	Conformity
	DI	BP	N/A	N.D.	
	D	BP	N/A	N.D.	
	В	BP	N/A	N.D.	
	DE	ЕНР	N/A	N.D.	
	F	Pb	BL	/	
	C	Cd	BL	/	
	Н	Ig	BL	/	
		Cr ⁶⁺)	BL	/	
		PBBs	27/4	/	Conformity
66	Br	PBDEs	N/A	/	
	DIBP		N/A	/	
	DBP		N/A	/	
	BBP		N/A	/	
	DEHP		N/A	/	
	Pb		BL	/	
	Cd		BL	/	
	Hg		BL	/	
	$Cr(Cr^{6+})$		IN	N.D.	
67	Br	PBBs PBDEs	N/A	/	Conformity
	DIBP		N/A	/	
	DBP		N/A	/	
		BP	N/A	/	
		ЕНР	N/A	/	
		P b	BL	/	
		Cd	BL	/	
	Hg		BL	/	
		Cr ⁶⁺)	BL	/	
68	Br	PBBs PBDEs	BL	/	Conformity
+	DI	BP	N/A	N.D.	1
+		BP	N/A	N.D.	
-		BP	N/A	N.D.	
-		EHP	N/A	N.D.	



Test point	Test	Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
	I	' b	BL	/	
	(Cd	BL	/	
	I	Ig	BL	/	
	Cr(Cr ⁶⁺)	IN	N.D.	
60		PBBs	27/4	/	G 6 :
69	Br	PBDEs	N/A	/	Conformity
	Dl	BP	N/A	/	
	D	BP	N/A	/	
	В	BP	N/A	/	
	DE	ЕНР	N/A	/	
	F	P b	BL	/	
	(Cd	BL	/	
	ŀ	Ig	BL	/	
		Cr ⁶⁺)	BL	/	
	·	PBBs		/	
70	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	/	
71	Br	PBBs PBDEs	N/A	/	Conformity
	DIBP DBP		N/A	/	
			N/A	/	
		BP	N/A	/	
	DEHP		N/A	/	
		Pb	BL	/	
		Cd Cd	BL	/	
	Hg		BL	/	
		Cr ⁶⁺)	BL	/	
-		PBBs		/	
72	Kr	PBDEs	BL	/	Conformity
-	DI	BP	N/A	N.D.	
-		BP	N/A	N.D.	
-		BP	N/A	N.D.	
-		EHP	N/A 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	/		
73	Br	PBBs PBDEs	BL	/	Conformity	
	Di	BP	N/A	N.D.		
	-	BP	N/A N/A	N.D.		
		BP	N/A	N.D.		
	-	EHP	N/A	N.D.		
		Pb	BL	N.D. /		
		Cd Cd	BL	/		
	Hg		BL	/		
	$Cr(Cr^{6+})$		BL	/		
	PRRc			/		
74	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 Cd	BL	/		
		Ig	BL	/		
		Cr ⁶⁺)	BL /			
75	PBBs PBBs		N/A	/	Conformity	
	PBDEs DIBP		N/A	/		
	-		N/A N/A	/		
	DBP BBP		N/A N/A	/		
			N/A N/A	/		
	DEHP		IN/A	/		

Remark: The samples of the following test points were resubmitted on October 14, 2024:44,71

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<>



		Repo	rt No.: AGC05443240944-002	
Br	mg/kg	BL≤300-3σ <x< th=""><th>N/A</th><th>BL≤250-3σ<x< th=""></x<></th></x<>	N/A	BL≤250-3σ <x< th=""></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) 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.

Exemption clause	Exemption
7(c)-I	Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound

Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 50

- Polycyclic-aromatic Hydrocarbons (PAHs) Content

Test Methods and Equipment: Afps GS 2019:01 PAK; GC-MS

Test Item(s)	Unit	Limit	MDL	Test Result(s)	
Test Item(s)	Ollit	LIIIII	MDL	1-1+1-2+1-3	1-4
Benzo[a]pyrene(BaP)	mg/kg	1	0.1	N.D.	N.D.
Benzo[e]pyrene(BeP)	mg/kg	1	0.1	N.D.	N.D.
Benzo[a]anthracene(BaA)	mg/kg	1	0.1	N.D.	N.D.
Benzo[b]fluoranthene(BbF)	mg/kg	1	0.1	N.D.	N.D.
Benzo[j]fluoranthene(BjFA)	mg/kg	1	0.1	N.D.	N.D.
Benzo[k]fluoranthene(BkF)	mg/kg	1	0.1	N.D.	N.D.
Chrysene(CHR)	mg/kg	1	0.1	N.D.	N.D.



Test Item(s)	Unit	Limit	MDL	Test Result(s)	
Test Item(s)				1-1+1-2+1-3	1-4
Dibenzo[a,h]anthracene(DBA)	mg/kg	1	0.1	N.D.	N.D.
Co	Conformity	Conformity			

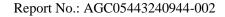
Tost Itom(s)	Unit	Limit	MDL	Test Result(s)	
Test Item(s)	Unit	Lillit	MDL	1-5	1-6
Benzo[a]pyrene(BaP)	mg/kg	1	0.1	N.D.	N.D.
Benzo[e]pyrene(BeP)	mg/kg	1	0.1	N.D.	N.D.
Benzo[a]anthracene(BaA)	mg/kg	1	0.1	N.D.	N.D.
Benzo[b]fluoranthene(BbF)	mg/kg	1	0.1	N.D.	N.D.
Benzo[j]fluoranthene(BjFA)	mg/kg	1	0.1	N.D.	N.D.
Benzo[k]fluoranthene(BkF)	mg/kg	1	0.1	N.D.	N.D.
Chrysene(CHR)	mg/kg	1	0.1	N.D.	N.D.
Dibenzo[a,h]anthracene(DBA)	mg/kg	1	0.1	N.D.	N.D.
Co	Conformity	Conformity			

Remark:

1. As specified by client, the submitted samples were mixed to test, the test points: 1-1+1-2+1-3

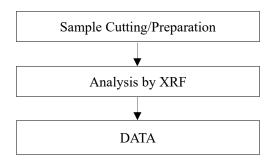
Limit requirements of Polycyclic-aromatic Hydrocarbons (PAHs) (Unit: mg/kg)

Items	CAS No.	Extender oils or used for the production of tyres or parts of tyres	Any of their rubber or plastic components that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity	Toys, including activity toys, and childcare articles, any of their rubber or plastic components that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity
Benzo[a]pyrene(BaP)	50-32-8	≤1	≤1	≤ 0.5
Benzo[e]pyrene(BeP)	192-97-2	/	≤ 1	≤ 0.5
Benzo[a]anthracene(BaA)	56-55-3	/	≤ 1	≤ 0.5
Benzo[b]fluoranthene(BbF)	205-99-2	/	≤ 1	≤ 0.5
Benzo[j]fluoranthene(BjFA)	205-82-3	/	≤ 1	≤ 0.5
Benzo[k]fluoranthene(BkF)	207-08-9	/	≤1	≤ 0.5
Chrysene(CHR)	218-01-9	/	≤ 1	≤ 0.5
Dibenzo[a,h]anthracene(DBA)	53-70-3	/	≤ 1	≤ 0.5
Sum of BaP+ BeP+ BaA+ BbF+ BjFA+ BkF+ CHR+ DBA	/	≤ 10	/	/

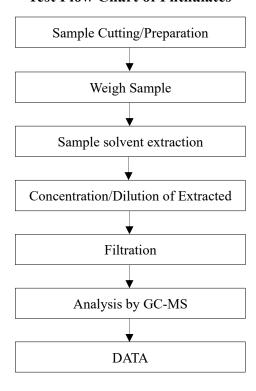


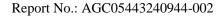


Test Flow Chart of XRF



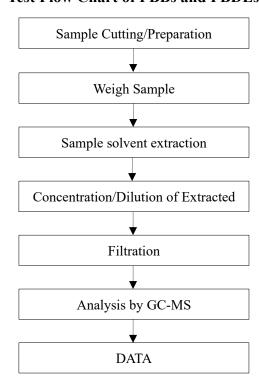
Test Flow Chart of Phthalates

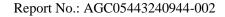






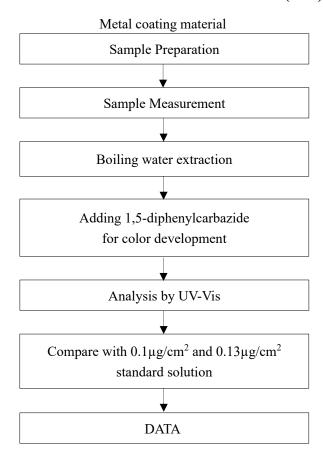
Test Flow Chart of PBBs and PBDEs

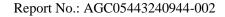






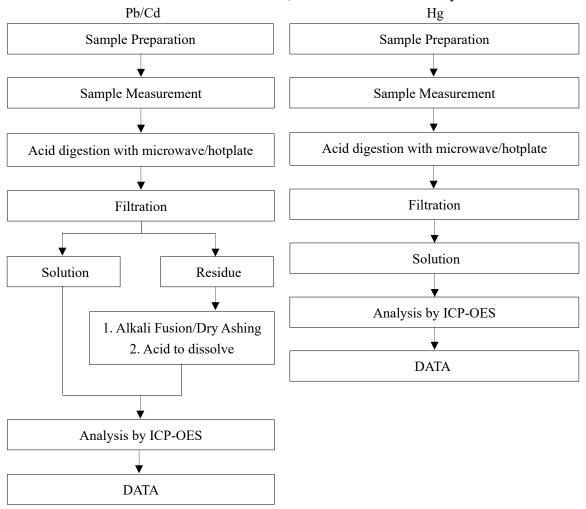
Test Flow Chart of Hexavalent Chromium (Cr6+)







Test Flow Chart of Lead, Cadmium and Mercury

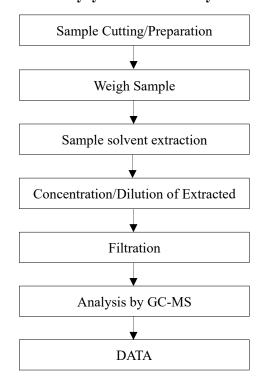


These sample were dissolved totally by pre-conditioning method according to above flow chart





Test Flow Chart of Polycyclic-aromatic Hydrocarbons (PAHs)





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 ***