
Test Report

Report No. : AGC05443240949-001

SAMPLE NAME : 3 in 1 cable w/ watch charger
MODEL NAME : MO2451
APPLICANT : MID OCEAN BRANDS B.V.
STANDARD(S) : Please refer to the following page(s).
DATE OF ISSUE : Oct. 10, 2024

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Applicant : MID OCEAN BRANDS B.V.
Address : 7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.
Test Site : 6/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Report on the submitted sample(s) said to be:

Sample Name : 3 in 1 cable w/ watch charger
Model : MO2451
Vendor code : 109979
Country of Origin : CHINA
Country of Destination : EUROPE
Sample Received Date : Sep. 23, 2024
Testing Period : Sep. 23, 2024 to Oct. 09, 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

Regulation (EU) 2019/1021 on persistent organic pollutants (POPs)
- Pentachlorophenol (PCP) Content

Pass

Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 77
- Formaldehyde Release

Pass

Approved by: 

Suhongliang, Leon

Technical Director

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Report Revise Record

Report Version	Issued Date	Valid Version	Notes
/	Oct. 10, 2024	Valid	Initial release

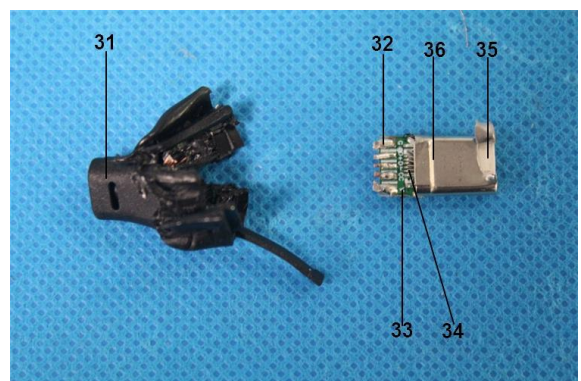
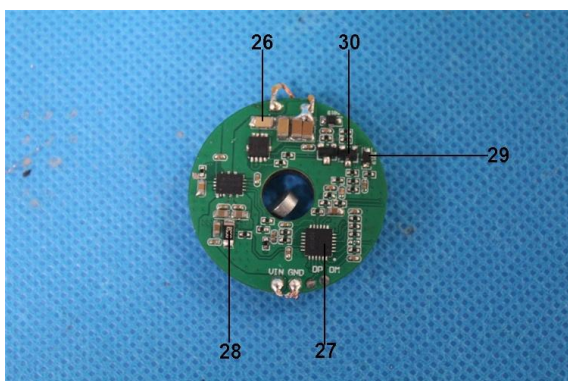
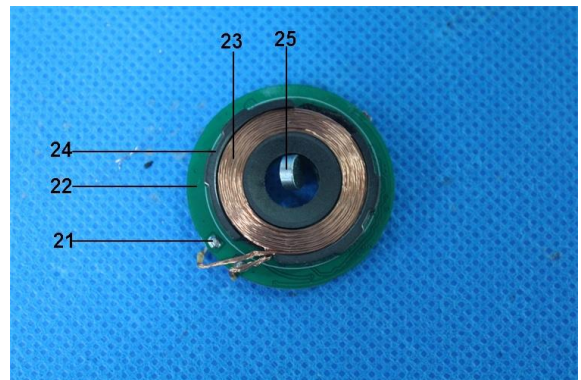
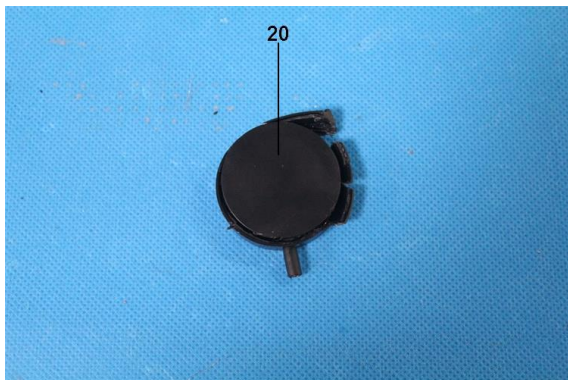
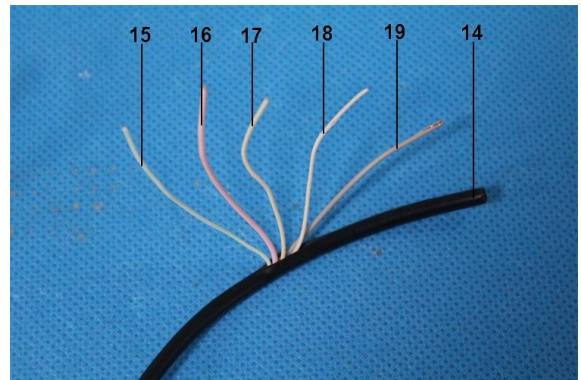
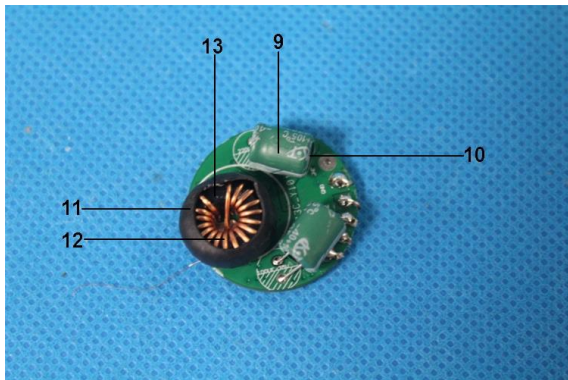
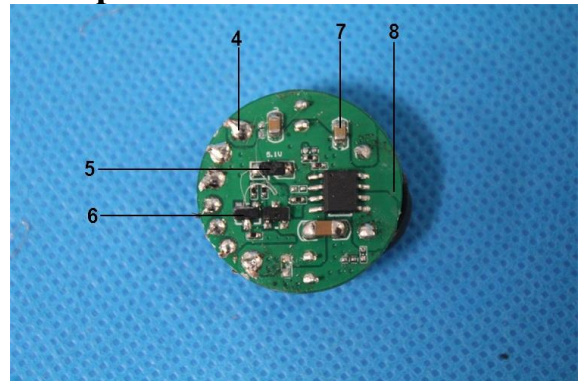
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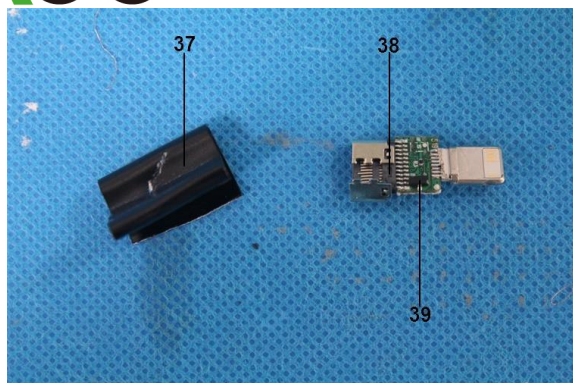
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The photo of the sample



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The photo of AGC05443240949-001 is for use only with the original report.

Test Point Description

Test point	Test module	Test parts	Test point description
3 in 1 cable w/ watch charger Model : MO2451			
1	---	---	Silver metal ring
2	---	---	Wooden shell
3	---	---	Transparent glue
4	Circuit board	---	Solder
5		---	Chip diode
6		---	Chip triode
7		---	Chip capacitor
8		---	PCB
9		Green capacitor	Green plastic outer skin
10			Aluminum shell
11		Black inductance	Black plastic outer skin
12			Enameled wire
13			Black magnetic ring
14	---	Wire rod	Black outer wire jacket
15	---		Green wire jacket
16	---		Pink wire jacket
17	---		Yellow wire jacket

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18	---		White wire jacket
19	---		Grey wire jacket
20	Wireless magnetic charging head	---	Black plastic outer shell
21		Circuit board	Solder
22			PCB
23			Enameled wire
24			Black ceramic
25			Silver metallic magnet
26			Chip capacitor
27			IC
28			Chip resistor
29			Chip diode
30			Chip triode
31	---	Type-C socket	Black handle
32	---		Solder
33	---		PCB
34	---		Metal pin
35	---		White plastic
36	---		Silver metal socket
37	---	Type-C turn lighting Adaptor	Black metal shell
38	---		Black plastic
39	---		Chip triode
White style （ Difference ）			
40	---	Wire rod	White outer wire jacket
41	---	Type-C socket	White plastic handle
42	---	Type-C turn lighting Adaptor	Silver metal shell
43	---	Wireless magnetic charging head	White plastic outer shell
1-1	---	---	Wooden bamboo shell

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

Test Results:

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)	IEC 62321-3-1:2013/ XRF	/	1000mg/kg
Cadmium (Cd)		/	100mg/kg
Mercury (Hg)		/	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/cm²	/
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)	IEC 62321-8:2017/ GC-MS	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

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Test point	Test Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
1	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	N/A	/	
			/	
	DIBP	N/A	/	
	DBP	N/A	/	
	BBP	N/A	/	
	DEHP	N/A	/	
2	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
3	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
4	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	N/A	/	
			/	
	DIBP	N/A	/	
	DBP	N/A	/	
	BBP	N/A	/	
	DEHP	N/A	/	

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5	Pb	OL	/	Conformity Exemption clause 7(c)-I
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
6	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
7	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
8	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	IN	N.D.	
			N.D.	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	

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9	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
10	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	N/A	/	
			/	
	DIBP	N/A	/	
	DBP	N/A	/	
	BBP	N/A	/	
	DEHP	N/A	/	
11	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
12	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	

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13	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
14	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
15	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
16	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	

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17	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
18	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
19	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
20	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	

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21	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	N/A	/	
			/	
	DIBP	N/A	/	
	DBP	N/A	/	
	BBP	N/A	/	
	DEHP	N/A	/	
22	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	IN	N.D.	
			N.D.	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
23	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
24	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	

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Test point	Test Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
25	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	N/A	/	
			/	
	DIBP	N/A	/	
	DBP	N/A	/	
	BBP	N/A	/	
	DEHP	N/A	/	
26	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
27	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
28	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	

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29	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
30	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
31	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
32	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	N/A	/	
			/	
	DIBP	N/A	/	
	DBP	N/A	/	
	BBP	N/A	/	
	DEHP	N/A	/	

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Test point	Test Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
33	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	IN	N.D.	
			N.D.	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
34	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	N/A	/	
			/	
	DIBP	N/A	/	
	DBP	N/A	/	
	BBP	N/A	/	
	DEHP	N/A	/	
35	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
36	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	IN	N.D.	
	Br	N/A	/	
			/	
	DIBP	N/A	/	
	DBP	N/A	/	
	BBP	N/A	/	
	DEHP	N/A	/	

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Test point	Test Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
37	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	N/A	/	
			/	
	DIBP	N/A	/	
	DBP	N/A	/	
	BBP	N/A	/	
	DEHP	N/A	/	
38	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
39	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
40	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	

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Test point	Test Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
41	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
42	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	N/A	/	
			/	
	DIBP	N/A	/	
	DBP	N/A	/	
	BBP	N/A	/	
	DEHP	N/A	/	
43	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	

Element	Unit	Non-metal	Metal	Composite Material
Cd	mg/kg	BL≤70-3σ<X <130+3σ≤OL	BL≤70-3σ<X <130+3σ≤OL	BL≤50-3σ<X <150+3σ≤OL
Pb	mg/kg	BL≤700-3σ<X <1300+3σ≤OL	BL≤700-3σ<X <1300+3σ≤OL	BL≤500-3σ<X <1500+3σ≤OL
Hg	mg/kg	BL≤700-3σ<X <1300+3σ≤OL	BL≤700-3σ<X <1300+3σ≤OL	BL≤500-3σ<X <1500+3σ≤OL
Cr	mg/kg	BL≤700-3σ<X	BL≤700-3σ<X	BL≤500-3σ<X

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Br	mg/kg	$BL \leq 300 - 3\sigma < X$	N/A	$BL \leq 250 - 3\sigma < X$
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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	$X < 0.1 \mu\text{g}/\text{cm}^2$	Negative
2	$0.1 \mu\text{g}/\text{cm}^2 \leq X \leq 0.13 \mu\text{g}/\text{cm}^2$	Uncertainty
3	$X > 0.13 \mu\text{g}/\text{cm}^2$	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

Regulation (EU) 2019/1021 on persistent organic pollutants (POPs)

- Pentachlorophenol (PCP) Content

Test Methods and Equipment: EPA 3550C:2007 & EPA 8270E:2018; GC-MS

Test Item(s)	Unit	Limit	MDL	Test Result(s)
				1-1
Pentachlorophenol (PCP)	mg/kg	5	5	N.D.
Conclusion				Conformity

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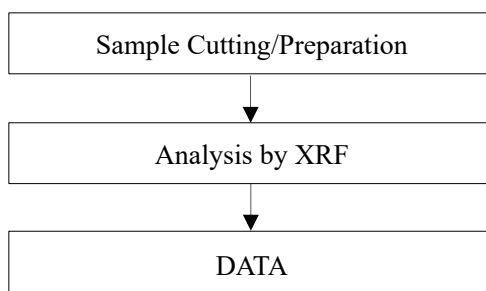
Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 77

- Formaldehyde Release

Test Methods and Equipment: EN 717-1:2004; UV-Vis

Test Item(s)	Unit	Limit	MDL	Test Result(s)
				1-1
Formaldehyde Release	mg/m ³	0.062	0.006	N.D. (240h)
Conclusion				Conformity

Test Flow Chart of XRF



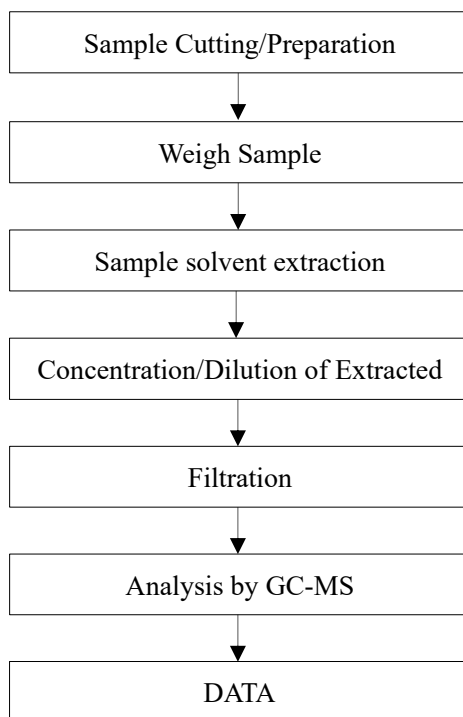
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Test Flow Chart of Phthalates



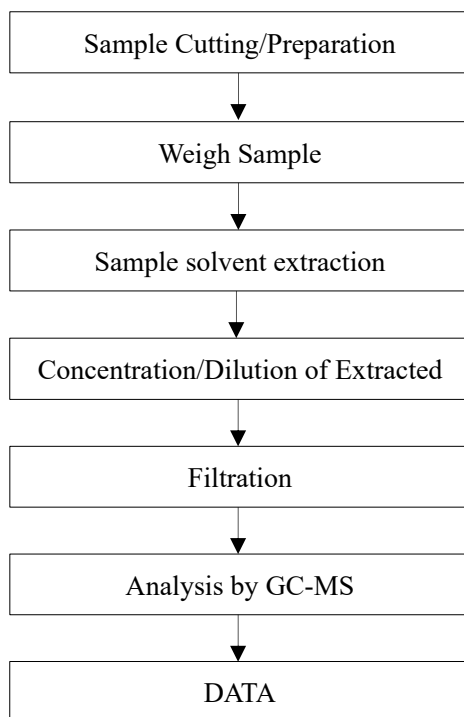
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Test Flow Chart of PBBs and PBDEs



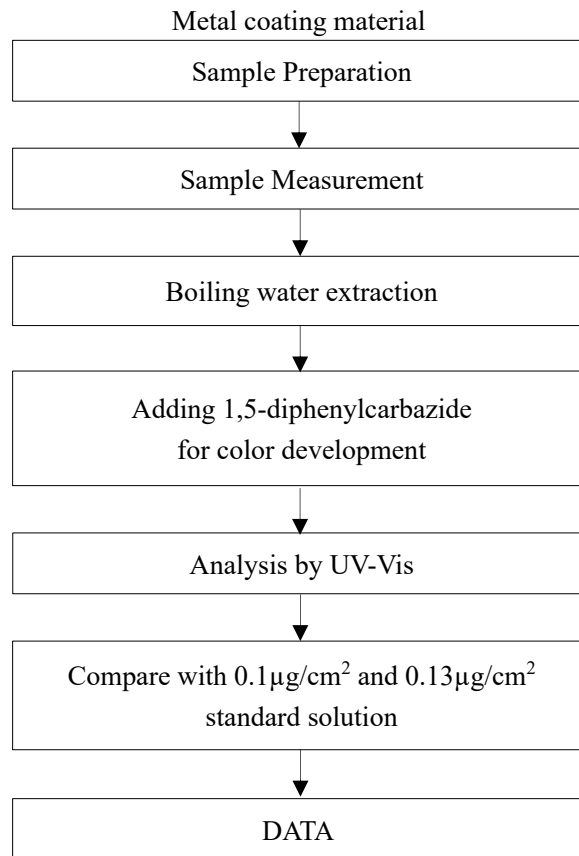
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Test Flow Chart of Hexavalent Chromium (Cr⁶⁺)



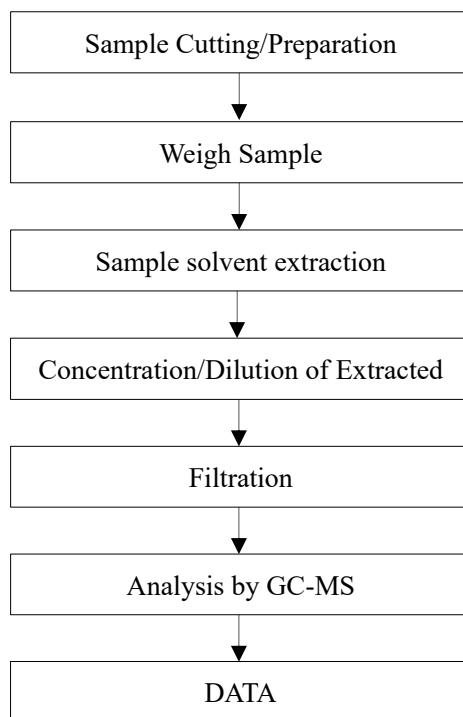
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Test Flow Chart of Pentachlorophenol (PCP)



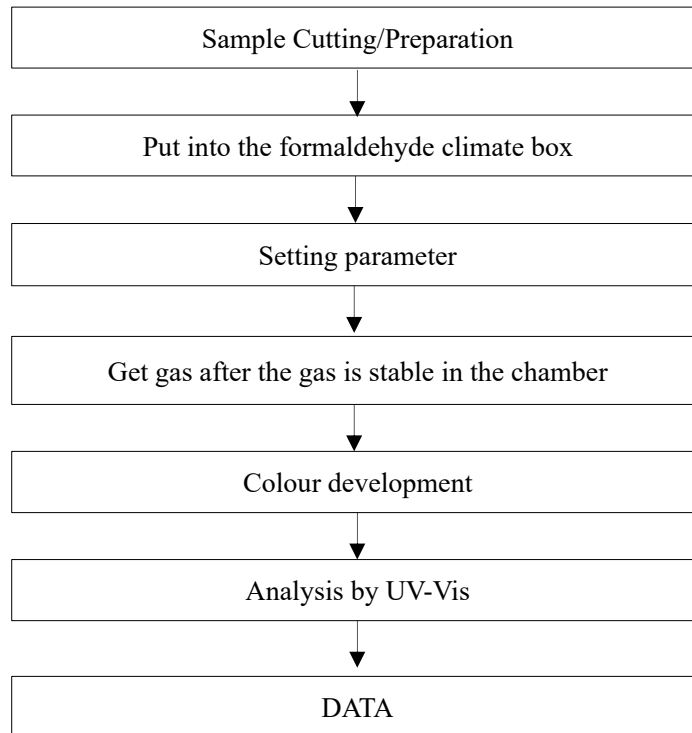
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Test Flow Chart of Formaldehyde Release



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Conditions of Issuance of Test Reports

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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 ***

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