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Applicant: Mid Ocean Brands B.V.

Address: Unit 711-716, 7/F., Tower A, 83 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong

Manufacturer: 117486

Address:

The following sample(s) was /were submitted and identified on behalf of the clients as:

Sample Name: Reminder bottle

Sample Model: MO6858

Series Model: MO6856, MO6857

Sample Received Date: Aug. 18, 2025

Testing Period: Aug. 18, 2025 to Aug. 21, 2025

Test Requested

As requested by the applicant, refer to attached page(s) for details.

Approved by:

Jony glan

Tony Qian/Technical Manager



the original fil

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Summary of Test Results:

Test Standard	9	(E)		Conclusio	n
RoHS Directive 2011/65/EU and it	s subsequent ame	endments Dire	ective (EU) 2015/863		
	, ,		Hexavalent Chromium(Cr(VI)),		
	1 - 1	lybrominated	DiphenylEthers (PBDEs)content		^
by screening test and chem	ical test.			(16
2 To determine Phthalates (D	BP, BBP, DEHP,	, DIBP) conte	ent by chemical test.	Pass	J



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Test Results:

(1)XRF Test Result:

(1)/1111	Test ixesuit.		~	110			
No.	5		F Result(mg/	0,	_ Ac	Chemical Test	Conclusion
6	Pb	Cd	Hg	Cr	Br (F	(mg/kg)	
1	BL	BL	BL	BL		- (49)	Pass
2	BL	BL	BL	BL	BL		Pass
3	BL	BL	BL	X (C		CrVI: Negative	Pass
4	BL	BL	BL	BL	((G)	Pass
5	BL	BL	BL	BL	BL	J - CE	Pass
6	BL	BL	BL	BL		- 9	Pass
7	BL	BL	BL	BL	BL		Pass
8	BL	BL	BL	BL	BL	15-	Pass
9	BL	BL	BL	BL	X	PBBs/PBDEs:N.D.	Pass
10	BL	BL	BL	& BL	BL	(Pass
611	BL	BL	BL (BL	0.40		Pass
12	BL	BL	BL	BL	BL		Pass
13	BL	BL	BL	BL	BL	(E)	Pass
14	BL	BL (BL	BL	BL	9	Pass
15	BL	BL	BL	BL			Pass
16	BL	BL	BL	BL	100		Pass
17	BL A	9 BL	BL	BL	BL	139	Pass
18	BL	BL	BL	BL	BL	(E)	Pass
19	BL	BL	BL	BL			Pass
	1		V		I .		

Remark:

- 1.It is the result on total Br while test item on restricted substances in PBBs/PBDEs. It is the result on total Cr while test item on restricted substances is Cr(VI).
- 2. Screening test by XRF spectroscopy. XRF screening limits in mg/kg for regulated elements according to IEC 62321-3-1: 2013Annex A.

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Element	Polymer Material	Polymer Material Metallic Material	
Pb	BL \leq 700-3 σ \leq X $<$ 1300+3 σ \leq OL	BL \leq 700-3 σ \leq X $<$ 1300+3 σ \leq OL	BL \leq 500-3 σ \leq X $<$ 1500+3 σ \leq OL
Cd	BL \leq 70-3 σ \leq X \leq 130+3 σ \leq OL	BL \leq 70-3 σ \leq X \leq 130+3 σ \leq OL	LOD <x<150+3σ≤ol< td=""></x<150+3σ≤ol<>
Hg	BL \leq 700-3 σ \leq X $<$ 1300+3 σ \leq OL	BL \leq 700-3 σ \leq X $<$ 1300+3 σ \leq OL	BL \leq 500-3 σ \leq X $<$ 1500+3 σ \leq OL
Cr	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	BL≤300-3σ <x< td=""><td><u>(E</u></td><td>BL≤250-3σ<x< td=""></x<></td></x<>	<u>(E</u>	BL≤250-3σ <x< td=""></x<>

XRF Detection Limits in mg/kg for Regulated Elements in Various Material

Element	Polymer Material	Metallic Material	Composite Material
Pb	10	50	50
Cd	10	50	50
Hg	10	50	50
Cr	10	50	50
Br	10	50	50

Note: 1.BL = Under the XRF screening limit

- 2.OL = Future chemical test will be conducted while result is above the screening limit
- 3.X = The symbol "X" marks the region where further investigation in necessary
- 4.3σ=The reproducibility of analytical instruments
- 5.LOD=Detection limit

(2)Wet Chemical Test

(2) Wet Chemical Test		- /-		
Test Item(s)	Test Method/ Test Equipment	Unit	Limit	MDL
Cadmium(Cd)	IEC 62321-5:2013, ICP-OES	mg/kg	100	2
Lead(Pb)	IEC 62321-5:2013, ICP-OES	mg/kg	1000	2
Mercury(Hg)	IEC 62321-4:2013+AMD1:2017, ICP-OES	mg/kg	1000	2
Hexavalent Chromium(CrVI) (Metal)	IEC 62321-7-1:2015, UV-Vis	μg/cm ²	0.13	0.1
Hexavalent Chromium(CrVI) (Nonmetal)	IEC 62321-7-2:2017, UV-Vis	mg/kg	1000	8

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				ν	0 (0
PBBs (Next form)	IEC 62321-6:2015, GC-MS		mg/kg	1000	5
,	(LG				
PBDEs (Next form)	IEC 62321-6:2015, GC-MS	(6)	mg/kg	1000	5
Dibutyl Phthalate(DBP)	IEC 62321-8:2017, GC-MS	9	mg/kg	1000	30
Butyl benzyl phthalate (BBP)	IEC 62321-8:2017, GC-MS		mg/kg	1000	30
Di-(2-ethylhexyl) Phthalate(DEHP)	IEC 62321-8:2017, GC-MS		mg/kg	1000	30
Diisobutyl phthalate (DIBP)	IEC 62321-8:2017, GC-MS	C.	mg/kg	1000	30

	PBBs		(5) PI	BDEs
9	Monobromobiphenyl	Hexabromobiphenyl	Monobromodiphenyl ether	Hexabromodiphenyl ether
	Dibromobiphenyl	Heptabromobiphenyl	Dibromodiphenyl ether	Heptabromodiphenyl ether
	Tribromobiphenyl	Octabromobiphenyl	Tribromodiphenyl ether	Octabromodiphenyl ether
	Tetrabromobiphenyl	Nonabromobiphenyl	Tetrabromodiphenyl ether	Nonabromodiphenyl ether
	Pentabromobiphenyl	Decabromobiphenyl	Pentabromodiphenyl ether	Decabromodiphenyl ether

Note:

- 1. mg/kg= ppm=0.0001%
- 2. N.D.= Not Detected(<MDL)
- 3. MDL = Method Detection Limit
- 4. --= No Testing
- 5. When Cr (VI) in a sample is detected below the 0.10 μg/cm² LOQ (limit of quantification), the sample is considered to be negative for Cr (VI). Since Cr (VI) may not be uniformly distributed in the coating even within the same sample batch, a "grey zone" between 0.10 μg/cm² and 0.13 μg/cm² has been established as "inconclusive" to reduce inconsistent results due to unavoidable coating variations. In this case, additional testing may be necessary to confirm the presence of Cr (VI). When Cr (VI) is detected above 0.13 μg/cm², the sample is considered to be positive for the presence of Cr (VI) in the coating layer. Unavoidable coating variations may influence the determination Information on storage conditions and production date of the tested sample is unavailable and thus Cr (VI) results represent status of the sample at the time of testing.

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(3)Phthalate Test Result:

, ,	Test Item(s)				
Test No.	Dibutyl Phthalate (DBP)	Butyl benzyl phthalate (BBP)	Di-(2-ethylhexyl) Phthalate (DEHP)	Diisobutyl phthalate (DIBP)	Conclusion
2	N.D.	N.D.	N.D.	N.D.	Pass
5	N.D.	N.D.	N.D.	N.D.	Pass
7	N.D.	N.D.	N.D.	N.D.	Pass
8 0	N.D.	N.D.	N.D.	N.D.	Pass
9	N.D.	N.D.	N.D.	N.D.	Pass
10	N.D.	N.D.	N.D.	N.D.	Pass
12	N.D.	N.D.	N.D.	N.D.	Pass
13	N.D.	N.D.	N.D.	N.D.	Pass
14	N.D.	N.D.	N.D.	N.D.	Pass
17	N.D.	N.D.	N.D.	N.D.	Pass
18	N.D.	N.D.	N.D.	N.D.	Pass

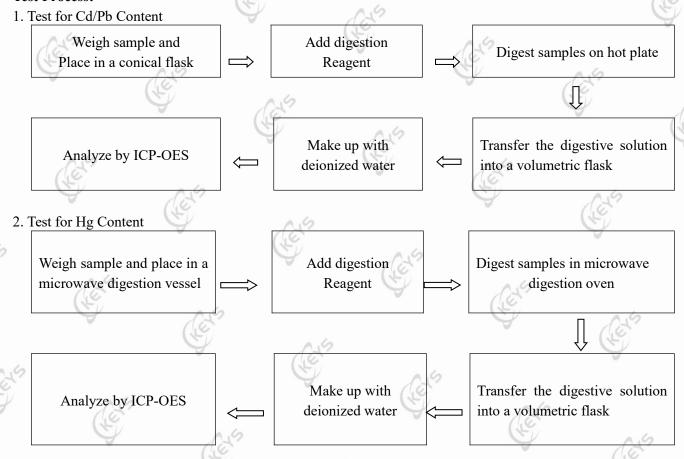
Note: 1. mg/kg= ppm=0.0001%

2. N.D.= Not Detected(<MDL)



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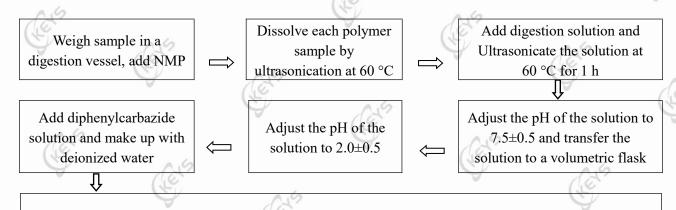
Test Process:





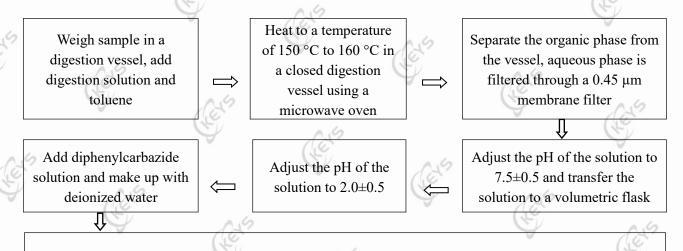
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3. Test for Chromium (VI) Content Soluble polymers:



Analyze the mixture by using UV-VIS Spectrophotometer with wavelength set at 540 nm

Insoluble/unknown polymers and electronics without Sb



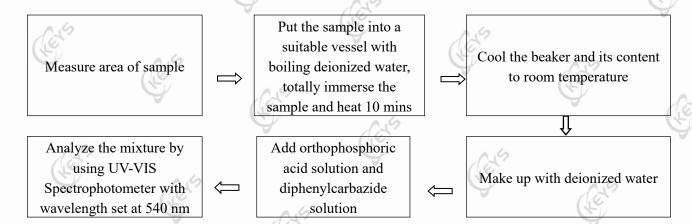
Analyze the mixture by using UV-VIS Spectrophotometer with wavelength set at 540 nm

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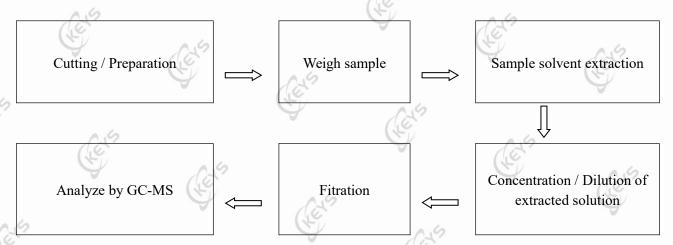


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Metal material



4. Test for DBP, BBP, DEHP, DIBP, PBB, PBDE Content





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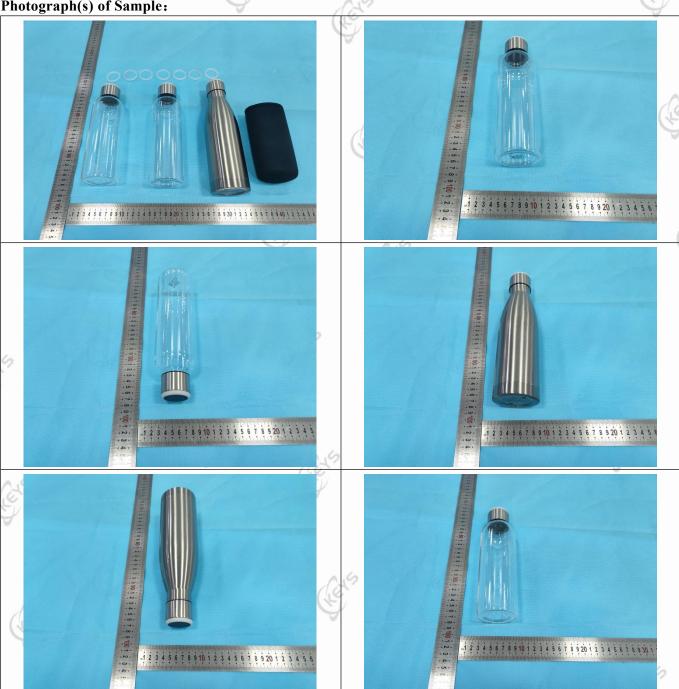
Sample Description:

Sample Descript	ion:
No.	Description
Car	Transparent glass bottle
2	Black cloth
3	Silvery metal screw
4	Silvery metal fixed
5,6	Black plastic cover
6	Silvery metal button battery
7	Black plastic casing
8	White plastic fixed
9	Black PCB
10	Black resistor
11	Silvery metal spring
12	Black IC
9 13	Brown capacitor
14	White LED light
15	Silvery metal contact piece
16	Silvery metal solder
17	Transparent silicone ring
18	Transparent plastic bottle
19	Silvery metal bottle
	0.19



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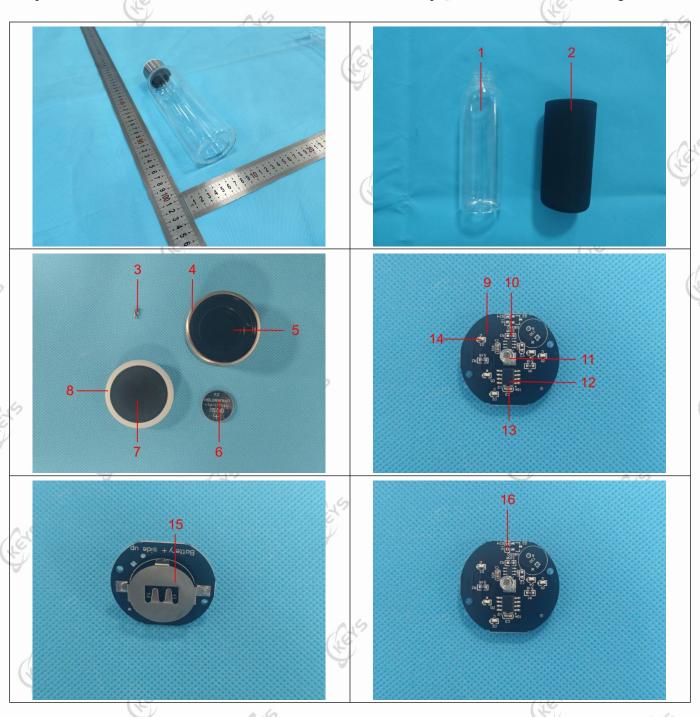
Photograph(s) of Sample:



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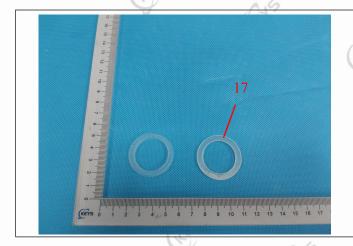
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