

Test Report

Report No.: AGC03507180920-001S1

Date: Sep.28, 2018

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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

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

Sample Name : Ear plugs
Model No. : MO9501
Manufacturers : 107978
Sample Receiving Date : Sep.19, 2018
Testing Period : Sep.19, 2018 to Sep.28, 2018

Test Requested : Please refer to next page(s).

Test Method : Please refer to next page(s).

Test Result : Please refer to next page(s).



Approved by: _____

Liulinwen, Lewis

Technical Director



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Test Requested:

1. As specified by client, to determine the Lead and Lead compounds content in the submitted sample(s) with reference to entry 63, Annex XVII of the REACH Regulation (EC) No 1907/2006.
2. As specified by client, to determine the Cadmium(Cd)content in the Submitted sample(s) with reference to entry 23, Annex XVII of the REACH Regulation (EC) No 1907/2006.
3. As specified by client, to determine the phthalates content in the submitted sample(s) with reference to entry 51 & 52, Annex XVII of the REACH Regulation (EC) No 1907/2006 and Amendment Regulation (EC) No 552/2009.
4. As specified by client, to determine the Polycyclic Aromatic Hydrocarbons (PAHs) content in the submitted sample(s) with reference to entry 50, Annex XVII of the REACH Regulation (EC) No 1907/2006.

Conclusion

Pass

Pass

Pass

Pass

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Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

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Test Result(s):
1. Test result of Lead and Lead compounds content

Unit: mg/kg

Test item(s)	Test Method/ Equipment	MDL	Result(s)		Limit
			1-1		
Lead (Pb)	Refer to EPA 3050B-1996& EPA 6010C-2007	5	18		500
Conclusion	ICP-OES	/	Pass		/

Unit: mg/kg

Test item(s)	Test Method/ Equipment	MDL	Result(s)		Limit
			1-2	1-3	
Lead (Pb)	Refer to EPA 3052-1996& EPA 6010C-2007	5	N.D.	N.D.	500
Conclusion	ICP-OES	/	Pass	Pass	/

- Note:**
1. MDL=Method Detection Limit
 2. N.D.=Not Detected(less than method detection limit)
 - 3.As specified by client, only test the designated sample

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2. Test result of Cd

Unit: mg/kg

Test item(s)	Test Method/ Equipment	MDL	Result(s)	Reference Limit
			1-1	
Cadmium (Cd)	Refer to EPA3050B-1996& EPA6010C-2007 ICP-OES	5	N.D.	100
Conclusion		/	Pass	/

Unit: mg/kg

Test item(s)	Test Method/ Equipment	MDL	Result(s)	Limit
			1-2	
Cadmium (Cd)	Refer to EN1122:2001 ICP-OES	5	N.D.	100
Conclusion		/	Pass	/

Unit: mg/kg

Test item(s)	Test Method/ Equipment	MDL	Result(s)	Reference Limit
			1-3	
Cadmium (Cd)	Refer to EPA3052-1996& EPA6010C-2007 ICP-OES	5	N.D.	100
Conclusion		/	Pass	/

- Note:**
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 2. N.D.=Not Detected(less than method detection limit)
 3. As specified by client, only test the designated sample.

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3. Test result of phthalates(Annex XVII of the REACH)

Unit: %,w/w

Test Item(s)	Test Method/ Equipment	MDL	Result(s)		Limit
			1-2	1-3	
Dibutyl phthalate (DBP)	Refer to EN 14372:2004 GC-MS	0.01	N.D.	N.D.	—
Butylbenzyl phthalate (BBP)		0.01	N.D.	N.D.	
Di- (2-ethylhexyl) phthalate (DEHP)		0.01	N.D.	N.D.	
Sum of DBP+BBP+DEHP		—	N.D.	N.D.	0.1
Di-n-octyl phthalate (DNOP)		0.01	N.D.	N.D.	—
Di-isononyl phthalate (DINP)		0.01	N.D.	N.D.	
Di-isodecyl phthalate (DIDP)		0.01	N.D.	N.D.	
Sum of DNOP+DINP+DIDP		—	N.D.	N.D.	0.1
Conclusion		/	Pass	Pass	/
Di-iso-butyl phthalate (DIBP)*		0.01	N.D.	N.D.	-

- Note:**
- 0.1%,w/w =1000mg/kg
 - MDL=method detection limit
 - N.D.=not detected (less than method detection limit)
 - “—”=Not regulated
 - *= As specified by client, this item is extra testing, this item is not included in above test requested
 - As specified by client, only test the designated sample.

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4. Test result of Polycyclic Aromatic Hydrocarbons (PAHs)

Unit: mg/kg

Test Item(s)	Test Method /Equipment	MDL	Result(s)		Limit
			1-2	1-3	
Benzo[a]anthracene (BaA)	Refer to AIPS GS 2014:01 PAK GC-MS	0.1	N.D.	N.D.	0.5
Chrysene (CHR)		0.1	N.D.	N.D.	0.5
Benzo[b]fluoranthene (BbFA)		0.1	N.D.	N.D.	0.5
Benzo[k]fluoranthene (BkFA)		0.1	N.D.	N.D.	0.5
Benzo[j]fluoranthene (BjFA)		0.1	N.D.	N.D.	0.5
Benzo[a]pyrene (BaP)		0.1	N.D.	N.D.	0.5
Benzo[e]pyrene(BeP)		0.1	N.D.	N.D.	0.5
Dibenzo[a,h]anthracene (DBA _h A)		0.1	N.D.	N.D.	0.5
Sum of 8 PAHs		—	N.D.	N.D.	/
Conclusion		/	Pass	Pass	/

- Note:**
1. MDL=Method Detection Limit
 2. N.D.=Not Detected(less than method detection limit)
 3. As specified by client, only test the designated sample.

Sample Description

1-1	Metal chain
1-2	Transparent plastic shell
1-3	Orange sponge plug

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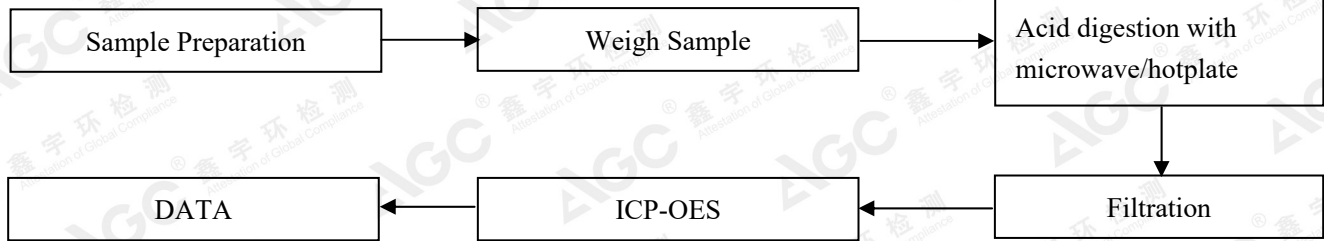
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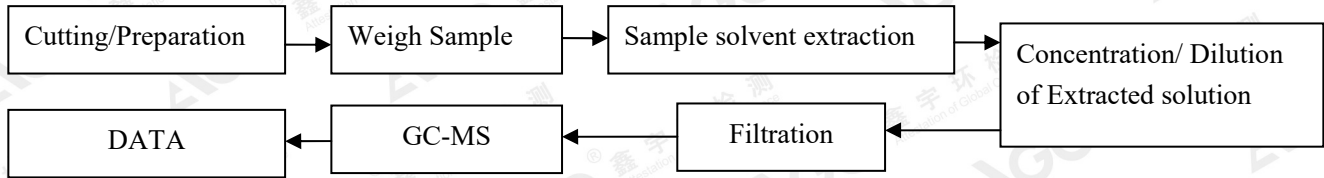
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Test Flow Chart

1 .For Cd and Pb



3.For phthalates and PAHs



This report is to supersede the report with No.: AGC03507180920-001 dated on Sep.25, 2018.

The photo of the sample



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AGC authenticate the photo on original report only

*** End of Report***

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