

Test Report

Report No.: AGC03507200401-001

Date: Apr.08, 2020

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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: 1,6/F.,Building 2,Sanwei Chaxi Industrial Park,Sanwei Community,Hangcheng Street,Baoan Distrist,Shenzhen,Guangdong,China

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

Sample Name: Multi functional knife, Foldable multi functional knife

Model No.: MO8914 , MO9144

Country of origin: CHINA

Country of destination: EUROPE

Sample Received Date: Apr.01, 2020

Testing Period: Apr.01, 2020 to Apr.08, 2020

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

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

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



Approved by: Jessie Liang

Liangdan, Jessie.Liang

Technical Director



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Test Requested:

1. 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.
2. As specified by client, to determine the Lead compounds content in the submitted sample(s) with reference to entry 63, 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 and its amendment (EU)2018/2005& entry 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 Azocolourants and Azodyes in the submitted sample with reference to Entry 43, Annex XVII of the REACH Regulation (EC) No 1907/2006.

Conclusion

Pass

Pass

Pass

Pass

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Attestation of Global Compliance Std. & Tech.

No.18 C

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Test Result(s):

1. Test Result(s) of Cd:

Unit: mg/kg

Test item(s)	Test Method/ Equipment	MDL	Result(s)							Limit
			1-1	1-2	1-3	1-4	1-5	1-6	1-7	
Cadmium (Cd)	IEC 62321-5:2013	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	100
Conclusion	ICP-OES	/	Pass	Pass	Pass	Pass	Pass	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

2. Test Result(s) of Pb

Unit: mg/kg

Test item(s)	Test Method/ Equipment	MDL	Result(s)							Limit
			1-1	1-2	1-3	1-4	1-5	1-6	1-7	
Lead (Pb)	IEC 62321-5:2013	10	N.D.	N.D.	21	N.D.	17	13	16	500
Conclusion	ICP-OES	/	Pass	Pass	Pass	Pass	Pass	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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3. Test Result(s) of phthalates content

Unit: %, w/w

Test Item(s)	Test Method/ Equipment	MDL	Result(s)		Limit
			1-2	1-4	
Dibutyl phthalate (DBP)	EN 14372:2004 GC-MS	0.01	N.D.	N.D.	0.1
Butylbenzyl phthalate (BBP)		0.01	N.D.	N.D.	0.1
Di- (2-ethylhexyl) phthalate (DEHP)		0.01	N.D.	N.D.	0.1
Diisobutyl phthalate (DIBP)		0.01	N.D.	N.D.	0.1
Sum of DBP+BBP+DEHP+DIBP		—	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

- Note:**
1. 0.1%,w/w =1000mg/kg
 2. MDL=method detection limit
 3. N.D.=not detected (less than method detection limit)
 4. “—” =Not regulated
 5. As specified by client, only test the designated sample

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4. Test Result(s) of AZO:

Unit: mg/kg

Test Item(s)	Test Method/ Equipment	MDL	Result(s)	Limit
			1-1	
4-Aminobiphenyl	EN ISO 14362-1:2017 EN ISO 14362-3:2017 GC-MS	5	N.D.	30
Benzidine		5	N.D.	30
4-Chloro-o-Toluidine		5	N.D.	30
2-Naphthylamine		5	N.D.	30
o-Aminoazotoluene		5	N.D.	30
5-Nitro-o-toluidine		5	N.D.	30
4-Chloroaniline		5	N.D.	30
4-Methoxy-m-phenylenediamine		5	N.D.	30
4,4'-Diaminodiphenylmethane		5	N.D.	30
3,3'-Dichlorobenzidine		5	N.D.	30
3,3'-Dimethoxybenzidine		5	N.D.	30
3,3'-Dimethylbenzidine		5	N.D.	30
4,4'-Methylenedi-o-toluidine		5	N.D.	30
p-Cresidine		5	N.D.	30
4,4'-Methylene-bis-(2-chloro-aniline)		5	N.D.	30
4,4'-Oxydianiline		5	N.D.	30
4,4'-Thiodianiline		5	N.D.	30
o-Toluidine		5	N.D.	30
4-Methyl-m-phenylenediamine		5	N.D.	30
2,4,5-Trimethylaniline		5	N.D.	30
o-Anisidine		5	N.D.	30
4-Amino azobenzene		5	N.D.	30
2,4-Xylidine		5	N.D.	30
2,6-Xylidine	5	N.D.	30	
Conclusion		/	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
 4. The EN ISO 14362-1:2017 methods will enable further cleavage of 4-aminoazobenzene to non-forbidden amines: aniline and 1,4-phenylenediamine, therefore, the test method of EN ISO 14362-3:2017 was employed to verify the presence of 4-aminoazobenzene

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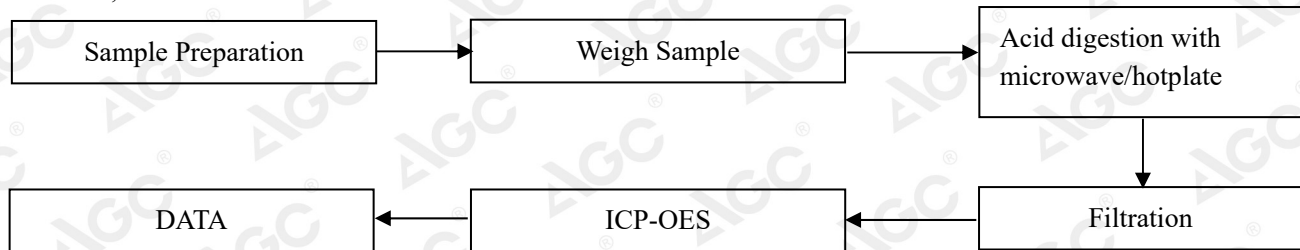
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Sample Description

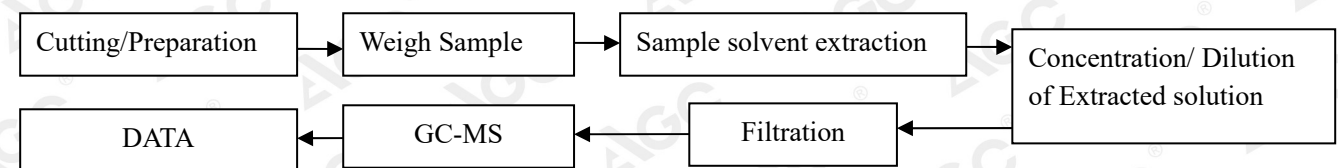
1-1	Black cloth
1-2	Black Velcro
1-3	Black metal handle
1-4	Black plastic
1-5	Screw
1-6	Metal tools
1-7	Spring

Test Flow Chart

1. For Pb, Cd



2. For phthalates



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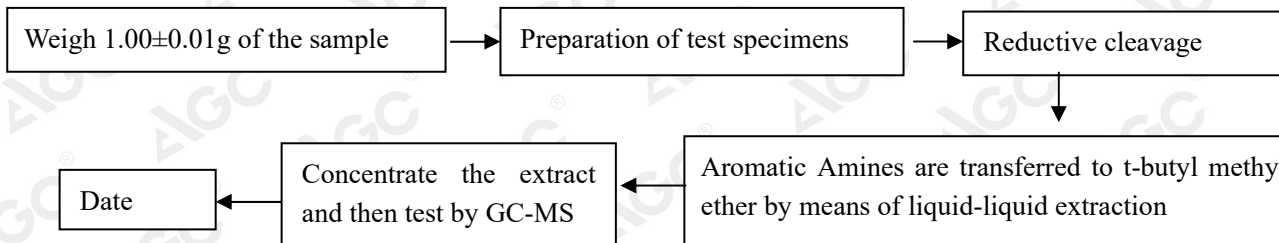
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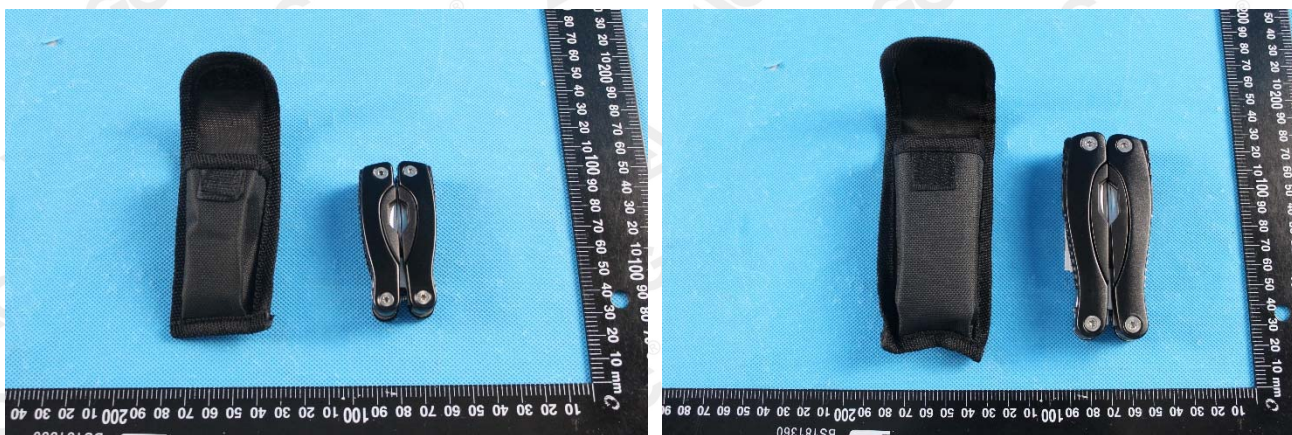
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3. For AZO



The photo of the sample



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AGC authenticates the photo only on original report

*** End of Report ***

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