



Test Report

Report No. A2230104336102

Page 1 of 8

Company Name MID OCEAN BRANDS B.V.

shown on Report

Address 7/F, KINGS TOWER, 111 KING LAM STREET, CHEUNG SHA WAN, KOWLOON, HONG KONG.

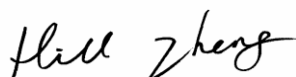
The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client

Sample Name	Foldable knife in cork/Multi tool pocket knife cork/Multifunctional knife
Item No.	MO6956/MO6957/MO6958
Supplier	114276
Sample Received Date	Mar. 24, 2023
Testing Period	Mar. 24, 2023 to Apr. 7, 2023

Test Conducted:

As requested by the applicant. For details refer to next page(s)

Approved by



Hill Zheng

Technical Manager

Apr. 10, 2023

No. T517954675

Date

Centre Testing International Group Co.,Ltd.

CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China



Test Report

Report No. A2230104336102

Page 2 of 8

Executive Summary:

TEST REQUEST

CONCLUSION

Annex XVII of European regulation (EC) No. 1907/2006 (REACH) with Amendment(s)

- Cadmium and its compounds	PASS
- Azo colourants	PASS
- Hexavalent Chromium (Cr(VI))	N/A
- Polycyclic Aromatic Hydrocarbons (PAHs)	PASS
- Phthalates in plasticized materials	PASS
- Lead and its compounds	PASS

N/A = Not Applicable

***** For further details, please refer to the following page(s) *****

Test Report

Report No. A2230104336102

Page 3 of 8

1) Annex XVII of European regulation (EC) No. 1907/2006 (REACH) with Amendment(s)**▼ Cadmium and its compounds**

As specified in entry 23, annex XVII of European regulation (EC) No. 1907/2006 (REACH) with amendments No.552/2009 & No.494/2011 & No.835/2012 & No. 2016/217, method(s) US EPA 3050B:1996 & US EPA 6010D:2018 & EN 1122:2001(E) Method B was/were used, and the item(s) was/were analyzed by ICP-OES.

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>		<u>MDL</u> (mg/kg)	<u>Limit</u> (mg/kg)
	001+002	003		
Cadmium (Cd)	N.D.	N.D.	2	100

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- The limit for composite test should be divided by the mixed number.

Test Report

Report No. A2230104336102

Page 4 of 8

▼ Azo colourants

As specified in entry 43, annex XVII of European regulation (EC) No. 1907/2006 (REACH) with amendment No.552/2009, method(s) ISO 14362-1:2017 was/were used, and the item(s) was/were analyzed by GC-MS and/or HPLC.

<u>Tested Item(s)</u>	<u>CAS No.</u>	<u>Result (mg/kg)</u>	<u>MDL</u>
		001	(mg/kg)
4-Aminodiphenyl	92-67-1	N.D.	5
Benzidine	92-87-5	N.D.	5
4-Chloro-O-Toluidine	95-69-2	N.D.	5
2-Naphthylamine	91-59-8	N.D.	5
O-Aminoazotoluene	97-56-3	N.D.	5
2-Amino-4-Nitrotoluene	99-55-8	N.D.	5
P-Chloroaniline	106-47-8	N.D.	5
2,4-Diaminoanisole	615-05-4	N.D.	5
4,4'-Diaminodiphenylmethane	101-77-9	N.D.	5
3,3'-Dichlorobenzidine	91-94-1	N.D.	5
3,3'-Dimethoxybenzidine	119-90-4	N.D.	5
3,3'-Dimethylbenzidine	119-93-7	N.D.	5
3,3'-Dimethyl-4,4'-Diaminodiphenylmethane	838-88-0	N.D.	5
P-Cresidine	120-71-8	N.D.	5
4,4'-Methylene-Bis(2-Chloroaniline)	101-14-4	N.D.	5
4,4'-Oxydianiline	101-80-4	N.D.	5
4,4'-Thiodianiline	139-65-1	N.D.	5
O-Toluidine	95-53-4	N.D.	5
2,4-Toluylenediamine	95-80-7	N.D.	5
2,4,5-Trimethylaniline	137-17-7	N.D.	5
O-Anisidine	90-04-0	N.D.	5
P-Aminoazobenzene	60-09-3	N.D.	5
2,4-Xylidine※	95-68-1	N.D.	5
2,6-Xylidine※	87-62-7	N.D.	5

Test Report

Report No. A2230104336102

Page 5 of 8

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- Requirement: ≤ 30mg/kg
- Results shown of additional Amines 2,4-Xylidine and 2,6-Xylidine are reported for reference only.
- “※” indicates the item(s)/method(s) is (are) not in CNAS accreditation scope.

▼ **Hexavalent Chromium (Cr(VI))**.....**N/A**

As specified in entry 47, annex XVII of European regulation (EC) No. 1907/2006 (REACH) with amendments No.552/2009 & (EU) No 301/2014, method(s) ISO 17075-1:2017 was/were used, and the item(s) was/were analyzed by UV-Vis.

N/A = Not Applicable

▼ **Polycyclic Aromatic Hydrocarbons (PAHs)**

As specified in entry 50, annex XVII of European regulation (EC) No.1907/2006 (REACH) with amendments No.552/2009 & No.1272/2013, method(s) AfPS GS 2019:01 PAK was/were used, and the item(s) was/were analyzed by GC-MS.

Tested Item(s)	CAS No.	Result (mg/kg)		MDL (mg/kg)	Limit (mg/kg)
		001+002	003		
Benzo[a]anthracene	56-55-3	N.D.	N.D.	0.2	1
Chrysene	218-01-9	N.D.	N.D.	0.2	1
Benzo[b]fluoranthene	205-99-2	N.D.	N.D.	0.2	1
Benzo[k]fluoranthene	207-08-9	N.D.	N.D.	0.2	1
Benzo[a]pyrene	50-32-8	N.D.	N.D.	0.2	1
Dibenzo[a,h]anthracene	53-70-3	N.D.	N.D.	0.2	1
Benzo[j]fluoranthene	205-82-3	N.D.	N.D.	0.2	1
Benzo[e]pyrene	192-97-2	N.D.	N.D.	0.2	1

Remark:

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- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- The limit for composite test should be divided by the mixed number.

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Test Report

Report No. A2230104336102

Page 6 of 8

▼ Phthalates in plasticized materials

As specified in entry 51 & entry 52, annex XVII of European regulation (EC) No. 1907/2006 (REACH) with amendment No.552/2009 & No. 2015/326 & (EU) 2018/2005, method(s) EN 14372:2004 was/were used, and the item(s) was/were analyzed by GC-MS.

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>		<u>MDL (mg/kg)</u>	<u>Limit (mg/kg)</u>
	001+002	003		
Di-2-ethylhexyl Phthalate (DEHP)	N.D.	N.D.	30	1000
Dibutyl Phthalate (DBP)	N.D.	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	N.D.	N.D.	30	1000
Di-isobutyl Phthalate (DIBP)	N.D.	N.D.	30	1000
SUM(DEHP+DBP+BBP+ DIBP)	N.D.	N.D.	--	1000
Diisononyl Phthalate (DINP)	N.D.	N.D.	50	--
Di-n-octyl Phthalate (DNOP)	N.D.	N.D.	30	--
Diisodecyl Phthalate (DIDP)	N.D.	N.D.	50	--
SUM(DINP+DNOP+DIDP)	N.D.	N.D.	--	1000

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- 1000 mg/kg = 0.1%
- The limit for composite test should be divided by the mixed number.
- Method EN 14372:2004 was accredited by CNAS on six phthalates (DEHP, DBP, BBP, DINP, DIDP, DNOP) test in this report.

Test Report

Report No. A2230104336102

Page 7 of 8

▼ Lead and its compounds

As specified in entry 63, annex XVII of European regulation (EC) No. 1907/2006 (REACH) with amendments No.836/2012 & No.2015/628, method(s) US EPA 3052:1996 & US EPA 6010D:2018& US EPA 3050B:1996 was/were used, and the item(s) was/were analyzed by ICP-OES.

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>		<u>MDL (mg/kg)</u>	<u>Limit (mg/kg)</u>
	001+002	003		
Lead (Pb)	N.D.	N.D.	2	500

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>	<u>MDL (mg/kg)</u>	<u>Limit (mg/kg)</u>
	004		
Lead (Pb)	N.D.	2	500

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- The limit for composite test should be divided by the mixed number.

Tested Sample/Part Description

No.	CTI Sample ID	Description
1	001	Dark brown artificial leather
2	002	Black plastic(M06958)
3	003	Brown cork with adhesive
4	004	Silver metal(all metals)

Test Report

Report No. A2230104336102

Page 8 of 8

Photo(s) of the sample(s)



Statement:

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. Without written approval of CTI, this report can't be reproduced except in full;

*** End of Report ***