

TEST REPORT

Report No.: DPHTL2510203096E

Date: Oct 30,2025

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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

The following sample(s) and sample information was/were submitted and identified by client as:

Sample Name: Foldable knife in bamboo**Model:** MO6623**Vendor code :** 107978**Receiving Date:** Oct 20,2025**Test Period:** From Oct 20,2025 to Oct 27,2025**Add Information:** -**Test Summary:**

#	Test item(s)	Conclusion
1	Item 50 of Annex XVII of REACH Regulation (EC) 1907/2006 & amendment (EU) No 1272/2013 Polycyclic-aromatic hydrocarbons (PAHs) content	PASS
2	Item 23 of Annex XVII of REACH Regulation (EC) 1907/2006 Cadmium content	PASS
3	Item 51&52 of Annex XVII of REACH Regulation (EC) 1907/2006. Phthalate content (DIBP、DEHP、DBP、BBP、DINP、DIDP、DNOP)	PASS
4	Item 63 of Annex XVII of REACH Regulation (EC) 1907/2006 Total Lead content	PASS
5	Formaldehyde - Item 77 of Annex XVII of REACH Regulation (EC) 1907/2006	PASS
6	POPs European Regulation (EU) 2019/1021 Annex I - Pentachlorophenol (PCP) content	PASS
Regulation (EC) No 1935/2004, Council of Europe Resolution CMRes(2020)9 -For Metal Material		
7	Specific Migration of Heavy Metal	PASS

*****Please refer to the following page for detailed results*****

Authorized Signatory

Mark Mai
(Technical Director)

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Result:

- Polycyclic-aromatic hydrocarbons (PAHs) content - Item 50 of Annex XVII of REACH Regulation (EC) 1907/2006 & amendment (EU) No 1272/2013**
AfPS-GS-2019-01:PAK, determined by GC-MS

Test Item(s)		Results	Limit (mg/kg)	MDL (mg/kg)
		category I ^{*1}		
		2		
1	Benz[a]anthracene(BaA) CAS#56-55-3	N.D.	1	0.2
2	Chrysene(CHR) CAS#218-01-9	N.D.	1	0.2
3	Benz[b]fluoranthene(BbFA) CAS#205-99-2	N.D.	1	0.2
4	Benz[k]fluoranthene(BkFA) CAS#207-08-9	N.D.	1	0.2
5	Benz[j]fluoranthene(BjFA) CAS#205-82-3	N.D.	1	0.2
6	Benzo[a]pyrene(BaP) CAS#50-32-8	N.D.	1	0.2
7	Benzo[e]pyrene(BeP) CAS#192-97-2	N.D.	1	0.2
8	Dibenz [a,h]anthracene (DBahA) CAS#53-70-3	N.D.	1	0.2
-	Conclusion	PASS	-	-

Remark: (a) mg/kg: milligram per kilogram
(b) MDL: Method detected limit
(c) N.D.: Not detected (result is less than MDL)
*1: Result category

Category I: Articles come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use.

Category II : Toys, including activity toys, and childcare articles, that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use.

- Cadmium content - Item 23 of Annex XVII of REACH Regulation (EC) 1907/2006**
IEC 62321-5:2013, determined by AAS

Test item(s)		Result		Limit (mg/kg)	MDL (mg/kg)
		2	6		
1	Cadmium (Cd) CAS#7440-43-9	N.D.	N.D.	100	10
-	Conclusion	PASS	PASS	-	-

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Remark(s): (a) mg/kg: milligram per kilogram
(b) MDL: Method detected limit
(c) N.D.: Not detected (result is less than MDL)

3. Phthalate content (DIBP、DEHP、DBP、BBP、DINP、DIDP、DNOP) - Item 51& 52 of Annex XVII of REACH Regulation (EC) 1907/2006 EN 14372:2004 & IEC 62321-8:2017, determined by GC-MS

Test item(s)			Result		Limit (%)	MDL (%)
			2	6		
1	DBP	Dibutyl Phthalate CAS# 84-74-2	N.D.	N.D.	0.1	0.005
2	BBP	Benzylbutyl Phthalate CAS# 85-68-7	N.D.	N.D.	0.1	0.005
3	DEHP	Bis-(2-ethylhexyl)Phthalate CAS# 117-81-7	N.D.	N.D.	0.1	0.005
4	DIBP	Diisobutyl phthalate CAS# 84-69-5	N.D.	N.D.	0.1	0.005
5	DNOP	Di-n-octyl phthalate CAS# 117-84-0	N.D.	N.D.	-	0.005
6	DINP	Di-iso-nonyl phthalate CAS# 28553-12-0/68515-48-0	N.D.	N.D.	-	0.010
7	DIDP	Diisodecyl phthalate CAS# 26761-40-0	N.D.	N.D.	-	0.010
-	Sum of 1, 2, 3 & 4		N.D.	N.D.	0.1	-
-	Sum of 5, 6 & 7		N.D.	N.D.	0.1	-
-	Conclusion		PASS	PASS	-	-

Remark(s): (a) MDL: Method detected limit
(b) N.D.: Not detected (result is less than MDL)

4. Total Lead content - Item 63 of Annex XVII of REACH Regulation (EC) 1907/2006 IEC 62321-5:2013, determined by AAS

Test item(s)		Result					Limit (mg/kg)	MDL (mg/kg)
		1	2	3	4	5		
1	Lead(Pb) CAS#7439-92-1	N.D.	N.D.	N.D.	N.D.	N.D.	500	10
-	Conclusion	PASS	PASS	PASS	PASS	PASS	-	-

Remark(s): (a) mg/kg: milligram per kilogram
(b) MDL: Method detected limit
(c) N.D.: Not detected (result is less than MDL)

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5. Formaldehyde - Item 77 of Annex XVII of REACH Regulation (EC) 1907/2006 EN 717-1:2004, determined by UV-Vis

Test Item(s)		Result	Limit (mg/m ³)	MDL (mg/m ³)
		1		
1	Formaldehyde CAS#50-00-0	0.010	0.062	0.005
-	Conclusion	PASS	-	-

Remark: (a) mg/m³: mg per cubic meter
(b) N.D.: Not detected (result is less than MDL)
(c) MDL: Method detected limit

6. POPs European Regulation (EU) 2019/1021 Annex I - Pentachlorophenol (PCP) content In house method, determined by GC-MS

Test Item(s)		Result	Limit (mg/kg)	MDL (mg/kg)
		1		
1	Pentachlorophenol(PCP) CAS#87-86-5	N.D.	Not Detected	5
	Conclusion	PASS	-	-

Remark(s): (a) MDL: Method detected limit
(b) N.D.: Not detected (result is less than MDL)
(c) mg/kg = milligram per kilogram

Regulation (EC) No 1935/2004, Council of Europe Resolution CMRes(2020)9 -For Metal Material

7. Specific Migration of Heavy Metal EDQM on metals and alloys used in food contact materials and articles 2nd Edition, determined by ICP-OES&ICP-MS

Test condition: 0.5%Citric Acid,70℃, 0.5h

Elements		Material		Limit (mg/kg)		MDL (mg/kg)	
		5					
		1 st + 2 nd	3 rd	1 st + 2 nd	3 rd	1 st + 2 nd	3 rd
1	Tin (Sn)	N.D.	N.D.	700	100	2	1
2	Copper (Cu)	N.D.	N.D.	28	4	2	1
3	Iron (Fe)	N.D.	N.D.	280	40	2	1
4	Manganese (Mn)	N.D.	N.D.	3.85	0.55	0.2	0.1

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5	Zinc (Zn)	N.D.	N.D.	35	5	2	1
6	Aluminum (Al)	N.D.	N.D.	35	5	2	1
7	Barium (Ba)	N.D.	N.D.	8.4	1.2	0.2	0.1
8	Chromium (Cr)	N.D.	N.D.	7	1	0.1	0.05
9	Nickel (Ni)	N.D.	N.D.	0.98	0.14	0.1	0.05
10	Lithium (Li)	N.D.	N.D.	0.336	0.048	0.02	0.01
11	Beryllium (Be)	N.D.	N.D.	0.07	0.01	0.002	0.001
12	Vanadium (V)	N.D.	N.D.	0.07	0.01	0.002	0.001
13	Cobalt (Co)	N.D.	N.D.	0.14	0.02	0.002	0.001
14	Molybdenum (Mo)	N.D.	N.D.	0.84	0.12	0.02	0.01
15	Silver (Ag)	N.D.	N.D.	0.56	0.08	0.02	0.01
16	Antimony (Sb)	N.D.	N.D.	0.28	0.04	0.02	0.01
17	Lead (Pb)	0.009	N.D.	0.07	0.01	0.002	0.001
18	Arsenic (As)	N.D.	N.D.	0.014	0.002	0.002	0.001
19	Cadmium (Cd)	0.003	N.D.	0.035	0.005	0.002	0.001
20	Mercury (Hg)	N.D.	N.D.	0.021	0.003	0.002	0.001
21	Thallium (Tl)	N.D.	N.D.	0.007	0.001	0.0002	0.0001
22	Magnesium (Mg)	N.D.	N.D.	-	-	2	1
23	Titanium (Ti)	N.D.	N.D.	-	-	2	1
24	Zirconium(Zr)	N.D.	N.D.	14	2	0.2	0.1
-	Conclusion	PASS	PASS	-	-	-	-

Remark(s): (a) mg/kg: milligram per kilogram
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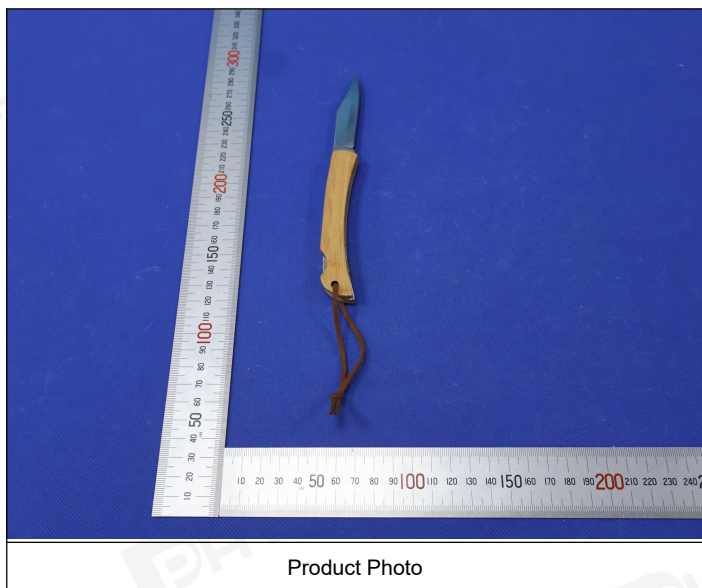
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Material List:

Material #	Sample Description / Position	Client's Material Statement
1	Brown bamboo,handle	-
2	Dark brown synthetic material,string	-
3	Bright silvery metal,plate(thick)	-
4	Silvery metal,plate	-
5	Silvery metal,knife	Stainless steel
6	Transparent yellow dry glue,holder	-

Remark(s): The test material point is selected by client,the chemical test conclusions in the report only apply to the test material.

Photo(s):



<<< <<< END OF REPORT >>> >>>

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