

TEST REPORT

Report No.: DPHTL2505203041E

Date: May 27,2025

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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: Target nautical compass**Model:** AR1249**Vendor code :** 107978**Receiving Date:** May 20,2025**Test Period:** From May 20,2025 to May 26,2025**Add Information:** -**Test Summary:**

#	Test item(s)	Result
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

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

Authorized Signatory

Mark Mai
(Technical Director)

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Result:

1. 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	13	16		
1	Benz[a]anthracene(BaA) CAS#56-55-3	N.D.	N.D.	N.D.	1	0.2
2	Chrysene(CHR) CAS#218-01-9	N.D.	N.D.	N.D.	1	0.2
3	Benz[b]fluoranthene(BbFA) CAS#205-99-2	N.D.	N.D.	N.D.	1	0.2
4	Benz[k]fluoranthene(BkFA) CAS#207-08-9	N.D.	N.D.	N.D.	1	0.2
5	Benz[j]fluoranthene(BjFA) CAS#205-82-3	N.D.	N.D.	N.D.	1	0.2
6	Benzo[a]pyrene(BaP) CAS#50-32-8	N.D.	N.D.	N.D.	1	0.2
7	Benzo[e]pyrene(BeP) CAS#192-97-2	N.D.	N.D.	N.D.	1	0.2
8	Dibenz [a,h]anthracene (DBahA) CAS#53-70-3	N.D.	N.D.	N.D.	1	0.2
-	Conclusion	PASS	PASS	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.

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2. 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	8	13	16		
1	Cadmium (Cd) CAS#7440-43-9	N.D.	N.D.	N.D.	N.D.	N.D.	100	10
-	Conclusion	PASS	PASS	PASS	PASS	PASS	-	-

Test item(s)		Result		Limit (mg/kg)	MDL (mg/kg)
		7	12		
1	Cadmium (Cd) CAS#7440-43-9	N.D.	N.D.	1000	10
-	Conclusion	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)

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	7	8	12		
1	DBP	Dibutyl Phthalate CAS# 84-74-2	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
2	BBP	Benzylbutyl Phthalate CAS# 85-68-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
3	DEHP	Bis-(2-ethylhexyl)Phthalate CAS# 117-81-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
4	DIBP	Diisobutyl phthalate CAS# 84-69-5	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
5	DNOP	Di-n-octyl phthalate CAS# 117-84-0	N.D.	N.D.	N.D.	N.D.	N.D.	-	0.005
6	DINP	Diisononylphthalate CAS# 28553-12-0 /68515-48-0	N.D.	N.D.	N.D.	N.D.	N.D.	-	0.010
7	DIDP	Diisodecylphthalate CAS# 26761-40-0 /68515-49-1	N.D.	N.D.	N.D.	N.D.	N.D.	-	0.010
-	Sum of 1, 2, 3 & 4		N.D.	N.D.	N.D.	N.D.	N.D.	0.1	-

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-	Sum of 5, 6 & 7	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	-
-	Conclusion	PASS	PASS	PASS	PASS	PASS	-	-

Test item(s)			Result		Limit (%)	MDL (%)
			13	16		
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	Diisononylphthalate CAS# 28553-12-0 /68515-48-0	N.D.	N.D.	-	0.010
7	DIDP	Diisodecylphthalate CAS# 26761-40-0 /68515-49-1	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		-	-

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	28	N.D.	15	N.D.	N.D.	500	10
-	Conclusion	PASS	PASS	PASS	PASS	PASS	-	-

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Test item(s)		Result					Limit (mg/kg)	MDL (mg/kg)
		6	7	8	9	10		
1	Lead(Pb) CAS#7439-92-1	N.D.	N.D.	N.D.	N.D.	183	500	10
-	Conclusion	PASS	PASS	PASS	PASS	PASS	-	-

Test item(s)		Result						Limit (mg/kg)	MDL (mg/kg)
		11	12	13	14	15	16		
1	Lead(Pb) CAS#7439-92-1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	500	10
-	Conclusion	PASS	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)

Material List:

Material #	Sample Description / Position
1	Light silvery metal,big shell
2	Black non-woven,base
3	Dark silvery metal,base
4	Transparent glass,cover
5	Silvery metal,shell
6	Matt black plastic,ring
7	White coating,plate
8	Black plastic,plate
9	Matt silvery metal,needle
10	Golden metal,needle holder
11	Silvery magnet,magnetic needle

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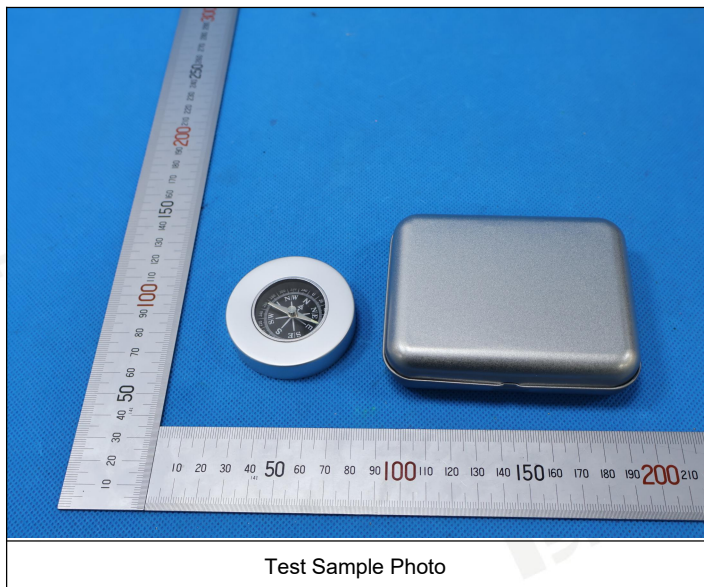
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12	Fluorescent light green coating,magnetic needle
13	Bright black foam,cushion
14	Silvery metal,lid
15	Silvery metal,box bottom
16	Black foam,box inside

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

Photo(s):



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

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