

TEST REPORT

Report No.: DPHTL2503183078E

Date: Jul 24,2025

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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 insulated stool/table**Model:** MO6444**Vendor code:** 107978**Receiving Date:** Mar 18,2025; Apr 2,2025; Jul 18,2025**Test Period:** From Mar 18,2025 to Jul 21,2025**Add Information:** -

Test Summary:

#	Test Item(s)	Conclusion
1	Item 23 of Annex XVII of REACH Regulation (EC) 1907/2006 - Cadmium content	PASS
2	Item 63 of Annex XVII of REACH Regulation (EC) 1907/2006 - Total Lead 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 50 of Annex XVII of REACH Regulation (EC) 1907/2006 & amendment (EU) No 1272/2013 - Polycyclic-aromatic hydrocarbons (PAHs) content	PASS
5	Item 43 of Annex XVII of the REACH Regulation (EC) No 1907/2006 & amendment (EC) No 552/2009 and (EU) No 126/2013 - Azo colorants content	PASS
6	ISO 105-X12:2016 - Colour Fastness to Rubbing	PASS
7	Item 77 of Annex XVII of REACH Regulation (EC) 1907/2006 - Formaldehyde	PASS
8	POPs European Regulation (EU) 2019/1021 Annex I - Pentachlorophenol (PCP) content	PASS

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

Authorized Signatory

Mark Mai
(Technical Director)

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Result:

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

Test item(s)			Result				Limit (mg/kg)	MDL (mg/kg)
			2	3	4	6		
1	Cadmium (Cd) CAS#7440-43-9		N.D.	N.D.	N.D.	N.D.	100	10
-	Conclusion		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)

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

Test item(s)			Result				Limit (mg/kg)	MDL (mg/kg)
			2	3	4	6		
1	Lead(Pb) CAS#7439-92-1		N.D.	N.D.	N.D.	N.D.	500	10
-	Conclusion		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)

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

Test item(s)			Result				Limit (%)	MDL (%)
			2	3	4	6		
1	DBP	Dibutyl Phthalate CAS# 84-74-2	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.	0.1	0.005
3	DEHP	Bis-(2-ethylhexyl)Phthalate CAS# 117-81-7	N.D.	N.D.	N.D.	N.D.	0.1	0.005

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4	DIBP	Diisobutyl phthalate CAS# 84-69-5	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.	-	0.005
6	DINP	Di-iso-nonyl phthalate CAS# 28553-12-0	N.D.	N.D.	N.D.	N.D.	-	0.005
7	DIDP	Diisodecyl phthalate CAS# 26761-40-0	N.D.	N.D.	N.D.	N.D.	-	0.005
-	Sum of 1, 2, 3 & 4		N.D.	N.D.	N.D.	N.D.	0.1	-
-	Sum of 5, 6 & 7		N.D.	N.D.	N.D.	N.D.	0.1	-
-	Conclusion		PASS	PASS	PASS	PASS	-	-

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

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

Test Item(s)		Result		Limit (mg/kg)	MDL (mg/kg)
		Category II *1			
		2	4		
1	Benz[a]anthracene(BaA) CAS#56-55-3	N.D.	N.D.	0.5	0.2
2	Chrysene(CHR) CAS#218-01-9	N.D.	N.D.	0.5	0.2
3	Benz[b]fluoranthene(BbFA) CAS#205-99-2	N.D.	N.D.	0.5	0.2
4	Benz[k]fluoranthene(BkFA) CAS#207-08-9	N.D.	N.D.	0.5	0.2
5	Benz[j]fluoranthene(BjFA) CAS#205-82-3	N.D.	N.D.	0.5	0.2
6	Benzo[a]pyrene(BaP) CAS#50-32-8	N.D.	N.D.	0.5	0.2
7	Benzo[e]pyrene(BeP) CAS#192-97-2	N.D.	N.D.	0.5	0.2
8	Dibenz [a,h]anthracene (DBahA) CAS#53-70-3	N.D.	N.D.	0.5	0.2
-	Conclusion	PASS	PASS	-	-

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

5. Item 43 of Annex XVII of the REACH Regulation (EC) No 1907/2006 & amendment (EC) No 552/2009 and (EU) No 126/2013
ISO 14362-1:2017 & ISO 14362-3:2017, determined by GC-MS and HPLC

Test Item(s)		Result		Limit (mg/kg)	MDL (mg/kg)
		1	5		
1	Biphenyl-4-ylamine/4-aminobiphenyl/ Xenylamine CAS#92-67-1	N.D.	N.D.	30	5
2	Benzidine CAS#92-87-5	N.D.	N.D.	30	5
3	4-chloro-o-toluidine CAS#95-69-2	N.D.	N.D.	30	5
4	2-Naphthylamine CAS#91-59-8	N.D.	N.D.	30	5
5	o-aminoazotoluene/4-o-tolylazo-o- toluidine /4-amino-2',3'- dimethylazobenzene CAS#97-56-3	N.D.	N.D.	30	5
6	5-nitro-o-toluidine/2-amino-4- nitrotoluol CAS#99-55-8	N.D.	N.D.	30	5
7	4-chloroaniline CAS#106-47-8	N.D.	N.D.	30	5
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole CAS#615-05-4	N.D.	N.D.	30	5
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane CAS#101-77-9	N.D.	N.D.	30	5
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'- ylenediamine CAS#91-94-1	N.D.	N.D.	30	5
11	3,3'-dimethoxybenzidine/o- dianisidine CAS#119-90-4	N.D.	N.D.	30	5
12	3,3'-dimethylbenzidine/4,4'-bi-o- toluidine CAS#119-93-7	N.D.	N.D.	30	5
13	4,4'-methylenedi-o-toluidine CAS#838-88-0	N.D.	N.D.	30	5
14	6-methoxy-m-toluidine/p-cresidine CAS#120-71-8	N.D.	N.D.	30	5
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline CAS#101-14-4	N.D.	N.D.	30	5

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16	4,4'-oxydianiline CAS#101-80-4	N.D.	N.D.	30	5
17	4,4'-thiodianiline CAS#139-65-1	N.D.	N.D.	30	5
18	o-toluidine/2-aminotoluen CAS#95-53-4	N.D.	N.D.	30	5
19	2,4-diaminotoluene/2,4- toluylendiamine/ methyl-m-phenylenediamine CAS#95-80-7	N.D.	N.D.	30	5
20	2,4,5-trimethylaniline CAS#137-17-7	N.D.	N.D.	30	5
21	o-anisidine/2-methoxyaniline CAS#90-04-0	N.D.	N.D.	30	5
22	4-aminoazobenzene** CAS#60-09-3	N.D.	N.D.	30	5
-	Conclusion	PASS	PASS	-	-

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

(b) N.D.: Not detected (result is less than MDL)

(c) MDL: Method detected limit

*: The amines o-aminoazotoluene (No 5, CAS No.97-56-3) and 2-amino-4-nitrotoluene (No 6, CAS No.99-55-8) are further reduced to o-toluidine (No 18, CAS No. 95-53-4) and 2, 4-diaminotoluene (No 19, CAS No. 95-80-7).

**: Azo colorants that are able to form 4-aminoazobenzene (No 22, CAS No. 60-09-3) generate, under the condition of this method, aniline (CAS No. 62-53-3) and 1, 4-phenylenediamine (CAS No. 106-50-3).Due to detection limits, only aniline may be detected. If aniline is detected above 5mg/kg, then the presence of these colorants should be tested by ISO 14362-3:2017.

6. ISO 105-X12:2016 - Colour Fastness to Rubbing

(Minimum requirement(Grade): Dry $\geq$ 2-3, Wet $\geq$ 2-3)

Sample	Result (Grade)	
	Dry	Wet
1	4-5	4-5
5	4-5	4-5

Remark(s): Grey Scale Rating is based on the 5-step of 1 to 5, where 1 is bad and 5 is good.

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7. 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)	RL (mg/m ³)
		6		
1	Formaldehyde CAS#50-00-0	0.041	0.062	0.01
Conclusion		PASS	-	-

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

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

Compound		Material	Limit (mg/kg)	MDL (mg/kg)
		6		
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 = ppm

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Material List:

Material #	Sample Description / Position
1	Black fabric, box
2	Silvery plastic,film
3	White foam, film
4	Black plastic, buckle
5	Black textiles, belt
6	Brown density board

Remark(s): (a) 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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