



Test Report



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Report No.: DNT2607135063C09992-11786

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 samples and sample information for the following tests are provided and confirmed by the applicant

Product description: Massager neck cushion

Model No.: MO3154

Manufacturer: 117486

Address: N/A

Sample received date: 2026.07.13, 2026.07.22, 2026.07.24

Sample testing period: 2026.07.13 to 2026.07.28

Report issued date: 2026.07.29

Test results: Please refer to next page(s).

Compiled By:

Korbin

Korbin Zhu

Reviewed By:

Tina Luo

Tina Luo

Approved By:

Boly Peng

Boly Peng

Note: If there is any objection to the results in this report, please submit a written inquiry to the company within 15 days from the date of receiving the report. The test report is effective only with both signature and specialized stamp, and is issued by the company in accordance with the requirements of the "Conditions of Issuance of Test Reports" printed in the attached page. Unless otherwise stated, the results presented in this report only apply to the samples tested this time. Partial reproduction of this report is not allowed unless approved by the company in writing.



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**Test Results:**

Test Requested	Conclusion
As specified by applicant, test colour fastness to rubbing on submitted sample	PASS
European regulation (EC) No. 1907/2006 (REACH) annex XVII entry 43 on requirements of Azocolourants and Azodyes content	PASS



**Sample Description:**

No.	Description
1	Gray fabric
2	Black fabric
3	Black synthetic leather with black inner lining
4	Black fabric (zipper tape)
5	Black ribbon

**Result:****Colour Fastness to Rubbing**

Test method: ISO 105-X12:2016

Test sample	Client's Requirement(s)	Test result (Grade)		Conclusion(s)
1-Gray fabric	2-3	Dry staining	4-5	Pass
		Wet staining	4-5	Pass
2-Black fabric	2-3	Dry staining	4-5	Pass
		Wet staining	4-5	Pass
3-Black synthetic leather with black inner lining	2-3	Dry staining	4-5	Pass
		Wet staining	4-5	Pass
4-Black fabric (zipper tape)	2-3	Dry staining	4-5	Pass
		Wet staining	4-5	Pass
5-Black ribbon	2-3	Dry staining	4-5	Pass
		Wet staining	4-5	Pass

Remark: Grey Scale rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.

Azocolourants and azodyes test

Test method : EN ISO 14362-1:2017 & EN ISO 14362-3:2017

Instrument used for analysis: GC-MS

Test item(s)	CAS No.	Limit (mg/kg)	MDL (mg/kg)	Test results (mg/kg)		
				1	2	3
4-Aminodiphenyl	92-67-1	30	5	N.D	N.D	N.D
Benzidine	92-87-5	30	5	N.D	N.D	N.D
4-Chloro-O-Toluidine	95-69-2	30	5	N.D	N.D	N.D
2-Naphthylamine	91-59-8	30	5	N.D	N.D	N.D
O-Aminoazotoluene	97-56-3	30	5	N.D	N.D	N.D
5-nitro-o-toluidine	99-55-8	30	5	N.D	N.D	N.D
4-Chloroaniline	106-47-8	30	5	N.D	N.D	N.D
4-methoxy-m-phenylenediamine	615-05-4	30	5	N.D	N.D	N.D
4,4'-Diaminodiphenylmethane	101-77-9	30	5	N.D	N.D	N.D
3,3'-Dichlorobenzidine	91-94-1	30	5	N.D	N.D	N.D
3,3'-Dimethoxybenzidine	119-90-4	30	5	N.D	N.D	N.D
3,3'-Dimethylbenzidine	119-93-7	30	5	N.D	N.D	N.D
4,4'-methylenedi-o-toluidine	838-88-0	30	5	N.D	N.D	N.D
P-Cresidine	120-71-8	30	5	N.D	N.D	N.D
4,4'-Methylene-	101-14-4	30	5	N.D	N.D	N.D



Bis(2-Chloro-aniline)						
4,4'-Oxydianiline	101-80-4	30	5	N.D	N.D	N.D
4,4'-Thiodianiline	139-65-1	30	5	N.D	N.D	N.D
O-Toluidine	95-53-4	30	5	N.D	N.D	N.D
4-methyl-m-phenylenediamine	95-80-7	30	5	N.D	N.D	N.D
2,4,5-Trimethylaniline	137-17-7	30	5	N.D	N.D	N.D
O-Anisidine	90-04-0	30	5	N.D	N.D	N.D
4-Amino azobenzene	60-09-3	30	5	N.D	N.D	N.D
Aniline	62-53-3	30	5	N.D	N.D	N.D
1,4-phenylenediamine	106-50-3	30	5	N.D	N.D	N.D
Conclusion	--	--	--	PASS	PASS	PASS

Test item(s)	CAS No.	Limit (mg/kg)	MDL (mg/kg)	Test results (mg/kg)		
				4	5	--
4-Aminodiphenyl	92-67-1	30	5	N.D	N.D	--
Benzidine	92-87-5	30	5	N.D	N.D	--
4-Chloro-O-Toluidine	95-69-2	30	5	N.D	N.D	--
2-Naphthylamine	91-59-8	30	5	N.D	N.D	--
O-Aminoazotoluene	97-56-3	30	5	N.D	N.D	--
5-nitro-o-toluidine	99-55-8	30	5	N.D	N.D	--
4-Chloroaniline	106-47-8	30	5	N.D	N.D	--
4-methoxy-m-phenylenediamine	615-05-4	30	5	N.D	N.D	--
4,4'-Diaminodiphenylmethane	101-77-9	30	5	N.D	N.D	--
3,3'-Dichlorobenzidine	91-94-1	30	5	N.D	N.D	--
3,3'-Dimethoxybenzidine	119-90-4	30	5	N.D	N.D	--
3,3'-Dimethylbenzidine	119-93-7	30	5	N.D	N.D	--
4,4'-methylenedi-o-toluidine	838-88-0	30	5	N.D	N.D	--
P-Cresidine	120-71-8	30	5	N.D	N.D	--
4,4'-Methylene-Bis(2-Chloro-aniline)	101-14-4	30	5	N.D	N.D	--
4,4'-Oxydianiline	101-80-4	30	5	N.D	N.D	--
4,4'-Thiodianiline	139-65-1	30	5	N.D	N.D	--
O-Toluidine	95-53-4	30	5	N.D	N.D	--
4-methyl-m-phenylenediamine	95-80-7	30	5	N.D	N.D	--
2,4,5-Trimethylaniline	137-17-7	30	5	N.D	N.D	--
O-Anisidine	90-04-0	30	5	N.D	N.D	--



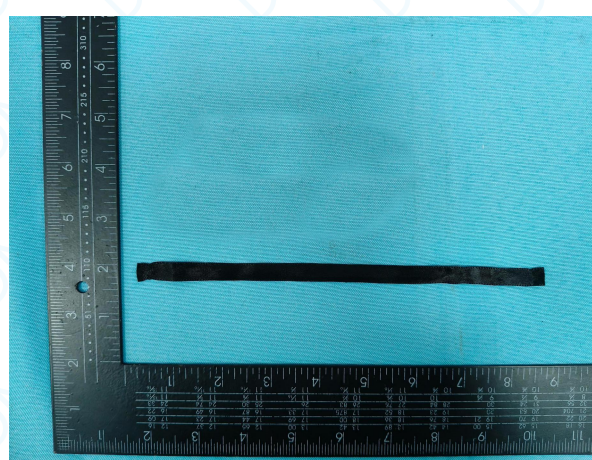
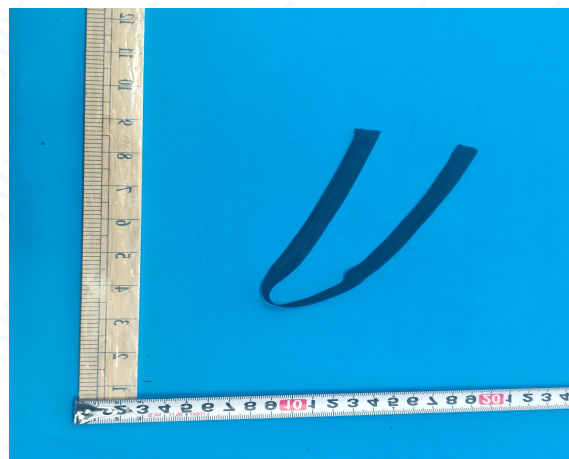
4-Amino azobenzene	60-09-3	30	5	N.D	N.D	--
Aniline	62-53-3	30	5	N.D	N.D	--
1,4-phenylenediamine	106-50-3	30	5	N.D	N.D	--
Conclusion	--	--	--	PASS	PASS	--

Note:

1. mg/kg = milligram per kilogram = ppm
2. MDL = Method Detection Limit
3. N.D = Not Detected (less than MDL)
4. The limit for composite test should be divided by the mixed number.
5. Results shown of additional Amines Aniline and 1,4-phenylenediamine are reported for reference only.



Photo(s) of tested sample(s)



*** End of Report ***

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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.
Manufacturer: 117486
Address: N/A

The following sample(s) was /were submitted and identified on behalf of the clients as:

Sample Name: Massager neck cushion
Trademark: MO3154
Sample Received Date: Jul. 08, 2026
Testing Period: Jul. 08, 2026 to Jul. 16, 2026

Test Requested

As requested by the applicant, refer to attached page(s) for details.

Approved by:



Jack Leung Technical Manager



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Summary of Test Results:

Test Standard	Conclusion
Selected test (s) in the selected parts as requested by client, Annex XVII to REACH and includes all the restrictions adopted in the framework of REACH and the previous legislation, Directive 76/769/EEC.	
1. Polycyclic-aromatic hydrocarbons(PAH) content reference to REACH Annex XVII Item No.50	Pass
2. European regulation (EU) No. 1907/2006 (REACH) annex XVII entry 27 on Nickel Release	Pass

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Test Result(s):

1. PAHs Content

Test Method: AfPS-GS-2019-01: PAK

Test Instrument: Gas Chromatographic-Mass Spectrometric (GC-MS)

Test Item(s)	Unit	MDL	Test Result (s)		
			2+3	4+5+6	7
Benzo[a]anthracene (BaA)	mg/kg	0.2	N.D.	N.D.	N.D.
Chrysene (CHR)	mg/kg	0.2	N.D.	N.D.	N.D.
Benzo[b]fluoranthene (BbF)	mg/kg	0.2	N.D.	N.D.	N.D.
Benzo[k]fluoranthene (BkF)	mg/kg	0.2	N.D.	N.D.	N.D.
Benzo[a]pyrene (BaP)	mg/kg	0.2	N.D.	N.D.	N.D.
Dibenzo[a,h]anthracene (DBA)	mg/kg	0.2	N.D.	N.D.	N.D.
Benzo[j]fluoranthene	mg/kg	0.2	N.D.	N.D.	N.D.
Benzo[e]pyrene	mg/kg	0.2	N.D.	N.D.	N.D.
Sum of PAHs	mg/kg	--	N.D.	N.D.	N.D.

Test Item(s)	Unit	MDL	Test Result (s)	
			8+9	10+11+12
Benzo[a]anthracene (BaA)	mg/kg	0.2	N.D.	N.D.
Chrysene (CHR)	mg/kg	0.2	N.D.	N.D.
Benzo[b]fluoranthene (BbF)	mg/kg	0.2	N.D.	N.D.
Benzo[k]fluoranthene (BkF)	mg/kg	0.2	N.D.	N.D.
Benzo[a]pyrene (BaP)	mg/kg	0.2	N.D.	N.D.
Dibenzo[a,h]anthracene (DBA)	mg/kg	0.2	N.D.	N.D.
Benzo[j]fluoranthene	mg/kg	0.2	N.D.	N.D.
Benzo[e]pyrene	mg/kg	0.2	N.D.	N.D.
Sum of PAHs	mg/kg	--	N.D.	N.D.

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Remark:

(1) (EU) No 1272/2013 amending Item No 50 of Annex XVII of REACH Regulation (EC) 1907/2006

Parameter (mg/kg)	Category 1	Category 2
	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 Such articles include amongst others: - sport equipment such as bicycles, golf clubs, racquets. - household utensils, trolleys, walking frames - tools for domestic use - clothing, footwear, gloves and sportswear - watch-straps, wrist-bands, masks, head-bands	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,
Benzo[a]pyrene	<1	<0.5
Benzo[e]pyrene	<1	<0.5
Benzo[a]anthracene	<1	<0.5
Benzo[b]fluoranthene	<1	<0.5
Benzo[j]fluoranthene	<1	<0.5
Benzo[k]fluoranthene	<1	<0.5
Chrysene	<1	<0.5
Dibenzo[a,h]anthracene	<1	<0.5

- Note:**
1. mg/kg= ppm
 2. N.D.= Not Detected(<MDL)
 3. MDL = Method Detection Limit

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2.Nickel (Ni) release

Test Method: With reference to EN 1811:2023 & EN 12472:2020

Test Instrument: Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Test item	Sample area (cm ²)	Volume of test solution (ml)	MDL (μg·cm ⁻² ·week ⁻¹)	Test Result (μg·cm ⁻² ·week ⁻¹)		
				1-A	1-B	1-C
Nickel(Ni) release	1.6	1.6	0.05	N.D.	N.D.	N.D.
Conclusion	--	--	--	PASS	PASS	PASS

Note:

- 1. $\mu\text{g}\cdot\text{cm}^{-2}\cdot\text{week}^{-1}$ = microgram per square centimeter per week.
- 2. N.D. = Not Detected (< MDL)
- 3. MDL = Method Detection Limit
- 4. A,B,C consists of three parallel samples.
- 5. Comments are given according to Annex A of EN 1811:2023 as below:

Concentration measured (μg·cm ⁻² ·week ⁻¹)	Limit (μg·cm ⁻² ·week ⁻¹)	Conclusion according to EN 1811:2023 (using 46% uncertainty for evaluation) (μg·cm ⁻² ·week ⁻¹)	
Inserted into pierced parts of the human body	0.2	< 0.35	Pass
		> 0.35	Fail
Come into direct and prolonged contact with the skin	0.5	≤0.88	Pass

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Sample Description:

No.	Name
1	Black coated silvery metal (entire zipper head)
2	Black plastic (zipper teeth)
3	Khaki printed grey plastic(female&male buckle)
4	Grey plastic(cap)
5	White plastic(socket(USB))
6	Grey plastic(buckle)
7	Black synthetic leather(band)
8	White soft plastic(frame)
9	Black soft plastic(wire jacket(outer))
10	Black plastic(case of type-c plug)
11	Black plastic(case of USB plug)
12	Gunmetal plastic(socket)

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Sample Photo:



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