Test Report

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: Cotton Lanyard with metal hook

Test Model: MO6830

Sample Received Date: Jun. 05,2026

Testing Period: Jun. 05,2026 to Jun. 11,2026

Test Requested

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

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Approved by:

Jack Leung

Jack Leung/Technical Manager

Guangdong MG Testing Technology Co., Ltd.
Address:3/F., Building 1, No.5, Jinzhong Road, Dongcheng Subdistrict, Dongguan, Guangdong, China
Tel: +86-0769-23320020 E-mail：service@mg-lab.cn Web：http://www.mg-lab.cn

Test Report

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.	
European regulation (EU) No. 1907/2006 (REACH) annex XVII entry 27 on Nickel Release	Pass
European regulation (EU) No. 1907/2006 (REACH) annex XVII entry 63 on Lead content	Pass
Azocolourants and Azodyes content reference to REACH Annex XVII Item No.43 Commission Regulation (EU) 2020/2096.	Pass
European regulation (EU) No. 1907/2006 (REACH) annex XVII entry 23 on Cadmium content	Pass
European regulation (EU) No. 1907/2006 (REACH) annex XVII entry 51&52 on Phthalates content	Pass
European regulation (EU) No. 1907/2006 (REACH) annex XVII entry 50 on Polycyclic-aromatic hydrocarbons (PAHs) content	Pass

Guangdong MG Testing Technology Co., Ltd.
Address:3/F., Building 1, No.5, Jinzhong Road, Dongcheng Subdistrict, Dongguan, Guangdong, China
Tel: +86-0769-23320020 E-mail：service@mg-lab.cn Web：http://www.mg-lab.cn

Test Result(s):

1. 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 (cm2)	Volume of test solution (ml)	MDL (μg·cm-2·week-1)	Test Result (μg·cm-2·week-1)		
				6-A	6-B	6-C
Nickel(Ni) release	2.5	2.5	0.05	N.D.	N.D.	N.D.
Conclusion	--	--	--	PASS	PASS	PASS

Test item	Sample area (cm2)	Volume of test solution (ml)	MDL (μg·cm-2·week-1)	Test Result (μg·cm-2·week-1)		
				11-A	11-B	11-C
Nickel(Ni) release	5.4	5.4	0.05	N.D.	N.D.	N.D.
Conclusion	--	--	--	PASS	PASS	PASS

Note:

1. μg·cm-2·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
		> 0.88	Fail

2. Lead content

Test Method: With reference to IEC 62321-5:2013

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

Test Item(s)	Limit (mg/kg)	MDL (mg/kg)	Test Results (mg/kg)					
			1+2+3	4+5+6	7	8	9	10
Lead (Pb)	500	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Conclusion	--	--	**PASS**	**PASS**	**PASS**	**PASS**	**PASS**	**PASS**

Note: 1. mg/kg = milligram per kilogram (ppm).

2. N.D. = Not Detected (< MDL).

3. MDL = Method Detection Limit.

3. Azocolourants and Azodyes Content

Test Method: ISO 14362-1:2017 &ISO 14362-3:2017

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

No.	Substances	MDL	Unit	Test Result	Limit
				8	
1	Biphenyl-4-ylamine/4-aminodiphenyl/xenylamine	5	mg/kg	N.D.	30
2	Benzidine	5	mg/kg	N.D.	30
3	4-chloro-o-toluidine	5	mg/kg	N.D.	30
4	2-naphthylamine	5	mg/kg	N.D.	30
5	o-aminoazotoluene/4-amino-2',3-dimethylazobenzene/4-o-tolylazo-o-toluidine	5	mg/kg	N.D.	30
6	2-amino-4-nitrotoluene/5-nitro-o-toluidine	5	mg/kg	N.D.	30
7	4-chloroaniline	5	mg/kg	N.D.	30
8	4-methoxy-m-phenylenediamine	5	mg/kg	N.D.	30
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	5	mg/kg	N.D.	30

No.	Substances	MDL	Unit	Test Result	Limit
				8	
10	3,3'-dichlorobenzidine/3,3'-dichlorobiphenyl-4,4'-ylenediamine	5	mg/kg	N.D.	30
11	3,3'-dimethoxybenzidine/o-dianisidine	5	mg/kg	N.D.	30
12	3,3'-dimethylbenzidine/4,4-bi-o-toluidine	5	mg/kg	N.D.	30
13	4,4'-methylenedi-o-toluidine	5	mg/kg	N.D.	30
14	6-methoxy-m-toludine/p-cresidine	5	mg/kg	N.D.	30
15	4,4'-methylene-bis-(2-chloroaniline)/2,2'-dichloro-4,4-methylene-dianiline	5	mg/kg	N.D.	30
16	4,4'-oxydianiline	5	mg/kg	N.D.	30
17	4,4'-thiodianline	5	mg/kg	N.D.	30
18	o-toluidine/2-aminotoluene	5	mg/kg	N.D.	30
19	4-methyl-m-phenylenediamine/2,4-toluylendiamie	5	mg/kg	N.D.	30
20	2,4,5-trimethylaniline	5	mg/kg	N.D.	30
21	o-anisidine/2-methoxyaniline	5	mg/kg	N.D.	30
22	4-aminoazobenzene	5	mg/kg	N.D.	30
23	2,4-xylidine	5	mg/kg	N.D.	30
24	2,6-xylidine	5	mg/kg	N.D.	30

Note:

1. mg/kg = milligram per kilogram (ppm).
2. N.D. = Not Detected (< MDL).
3. MDL = Method Detection Limit.
4. * = 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).
5. ** = 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-phenylendiamine (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

4. Cadmium content

Test Method: With reference to IEC 62321-5:2013

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

Test Item(s)	Unit	MDL	Limit	Test Results	
				7	9
Cadmium (Cd)	mg/kg	2	100	N.D.	N.D.

Note: 1. mg/kg = milligram per kilogram (ppm).

2. N.D. = Not Detected (< MDL).

3. MDL = Method Detection Limit.

5. Phthalates content

Test Method: With reference to EN 14372:2004

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

Test Item(s)	Unit	MDL	Limit	Test Results	
				7	9
Dibutyl Phthalate(DBP)	mg/kg	30	/	N.D.	N.D.
Benzyl butyl Phthalate (BBP)	mg/kg	30		N.D.	N.D.
Bis (2-ethylhexyl) phthalate(DEHP)	mg/kg	30		N.D.	N.D.
Diisobutyl phthalate (DIBP)	mg/kg	30		N.D.	N.D.
SUM(DBP+BBP+DEHP+DIBP)	mg/kg	/	1000	N.D.	N.D.
Diisononyl Phthalate(DINP)	mg/kg	50	/	N.D.	N.D.
Di-n-octyl Phthalate(DNOP)	mg/kg	30		N.D.	N.D.
Diisodecyl Phthalate (DIDP)	mg/kg	50		N.D.	N.D.
SUM(DINP+ DIDP+DNOP)	mg/kg	/	1000	N.D.	N.D.

Note: 1. mg/kg = milligram per kilogram (ppm).

2. N.D. = Not Detected (< MDL).

3. MDL = Method Detection Limit.

6. PAHs Content- Item 50 of Annex XVII of REACH Regulation (EC) 1907/2006

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

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

Test Item(s)	Unit	MDL	Test Result (s)	
			7	9
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.

Note: 1. mg/kg = milligram per kilogram (ppm).

2. N.D. = Not Detected (< MDL).

3. MDL = Method Detection Limit.

4.The PAHs content limit is Category 1

Remark：

(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

Test Report

Sample Description：

No.	Description
1	Silvery metal(dog clip main body)
2	Silvery metal(dog clip spring)
3	Silvery metal(dog clip switch)
4	Silvery metal(dog clip shaft)
5	Silvery metal(dog clip base)
6	Silvery metal(fanstener)
7	White plastic(fanstener)
8	Beige fabric(rope)
9	Clear coating(on bamboo)
10	Khaki bamboo(round)
11	Silvery metal(dog clip entirety)

Sample photos:

*** End of Report ***

Guangdong MG Testing Technology Co., Ltd.
Address:3/F., Building 1, No.5, Jinzhong Road, Dongcheng Subdistrict, Dongguan, Guangdong, China
Tel: +86-0769-23320020 E-mail：service@mg-lab.cn Web：http://www.mg-lab.cn

Test Report

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) was/were submitted and identified on behalf of the client as:

Sample Name : Cotton Lanyard with metal hook
Style/ Model No. : MO6830
Manufacturer and Address : 117486
Country of Origin : China
Sample Received Date : June 04, 2026
Testing Period : June 04, 2026 to June 10, 2026
Test Requested : See below TEST PROPERTY.
Test Performed : Selected test(s) as requested by applicant.
Test Result(s) : Please refer to next page(s).
Overall Rating : Please refer to the individual determination results.

RESULT SUMMARY

Test Requested	Conclusion
Pentachlorophenols and their salts and esters - Regulation (EU) No 2019/1021 of POPs	Pass
Annex XVII of the REACH Regulation (EC) No 1907/2006,entry 77 -Formaldehyde Release	Pass

Signed for and on behalf of

Scan QR code verification of authenticity

Andy Zheng
Technical Director

Dongguan True Safety Testing Co., Ltd.
Room 201, No.20, East of Houjie Avenue, Houjie, Dongguan, Guangdong, China
Tel:+86-0769-85088050 E-mail:tst@tst-test.com Http:www.tst-test.com

Test Report

Sample Description：

No.	Description
1	Bamboo shell

Test Result:

1. Pentachlorophenols and their salts and esters

Test Result : Refer to Internal methods, was analyzed by GC-MS.

Test Item	Unit	RL	Result 1	Limit
Pentachlorphenol (PCP)	mg/kg	5	N.D.	5

Note： 1. mg/kg=Milligrams per kilogram

2. N.D.= Not Detected (<RL)

3. RL = Reporting Limit

2.Release of Formaldehyde

Test Method and Test Equipment:

Test Item	Test Method	Test Equipment
Release of Formaldehyde	EN 717-1:2004	Environmental climate chamber GC-FID

Test Result :

Test Item	Unit	RL	Limit	Result
Release of Formaldehyde	mg/m^3	0.01	0.062	N.D.

Note： 1. mg/m^3= Milligrams per cubic meter

2. N.D.= Not Detected (<RL)

3. RL = Reporting Limit

Dongguan True Safety Testing Co., Ltd.
Room 201, No.20, East of Houjie Avenue, Houjie, Dongguan, Guangdong, China
Tel:+86-0769-85088050 E-mail:tst@tst-test.com Http:www.tst-test.com

Test Report

Sample pictures:

***** End of Report *****

Dongguan True Safety Testing Co., Ltd.
Room 201, No.20, East of Houjie Avenue, Houjie, Dongguan, Guangdong, China
Tel:+86-0769-85088050 E-mail:tst@tst-test.com Http:www.tst-test.com

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HD Technology

Report No.: 86260605029 Date: June 17, 2026 Page 1 of 5

Mid Ocean Brands B.V.

Unit 711-716, 7/F., Tower A, 83 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.

Sample Name:	Cotton Lanyard with metal hook
Sample Model:	MO6830
Manufacturer:	117486
Address:	N/A
Sample Received Date:	June 5, 2026
Testing Period:	June 5, 2026 to June 11, 2026

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

Approved by:

Eason zeng/ Technical Manager

HD Testing Technology (GuangDong) Co., Ltd.
Building 1, No.18, Shihuan Road, Dongcheng Subdistrict,
Dongguan, Guangdong, China
Tel: +86-0769-22221088
E-mail: info@hdt-lab.com
Website: www.hdt-lab.com

Summary of Test Results:

Test Requirement	Conclusion
1. As specified by client, to determine Colour fastness to rubbing in the submitted sample(s).	Pass

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.

2. European regulation (EU) No. 1907/2006 (REACH) annex XVII entry 43 and Commission Regulation (EU) 2020/2096 on Azocolourants and Azodyes content	Pass

HD Testing Technology (GuangDong) Co., Ltd.
Building 1, No.18, Shihuan Road, Dongcheng Subdistrict,
Dongguan, Guangdong, China
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Website: www.hdt-lab.com

Test Result:

1. Colour fastness to rubbing

Test Method: ISO 105-X12:2016, Size of rubbing finger: circular 16 mm diameter.

Material No.	Test Item		Results (Grade)	Client's Requirement (Min. Grade)	Conclusion
1	Length	Dry (Colour Staining)	4-5	2-3	Pass
		Wet (Colour Staining)	4-5	2-3	

Note:

Explanation of Colour fastness results

Grade 5 Negligible or no change or staining

Grade 4 Slightly changed or stained

Grade 3 Noticeably changed or stained

Grade 2 Considerably changed or stained

Grade 1 Much changed or heavily stained

2. Azocolourants and Azodyes Content

Test Method: With reference to EN ISO 14362-1:2017 & EN ISO 14362-3:2017

Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

No.	Substances	CAS No.	Unit	MDL	Limit	Test Result(s)
						1
1	Biphenyl-4-ylamine/4-aminodiphenyl/ xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-amino-2',3-dimethylazobenzene/4-o-tolylazo-o-toluidine*	97-56-3	mg/kg	5	30	N.D.
6	2-amino-4-nitrotoluene/5-nitro-o-toluidine*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/	101-77-9	mg/kg	5	30	N.D.

HD Testing Technology (GuangDong) Co., Ltd.

Building 1, No.18, Shihuan Road, Dongcheng Subdistrict,

Dongguan, Guangdong, China

Tel: +86-0769-22221088

E-mail: info@hdt-lab.com

Website: www.hdt-lab.com

No.	Substances	CAS No.	Unit	MDL	Limit	Test Result(s)
						1
	4,4'-diaminodiphenylmethane					
10	3,3'-dichlorobenzidine/3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toludine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloroaniline)/2,2'-dichloro-4,4-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	4-methyl-m-phenylenediamine/2,4-toluylendiamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.

Note：

- mg/kg = milligram per kilogram = ppm
- N.D.= Not Detected (＜MDL)
- MDL = Method Detection 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-phenylendiamine (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

HD Testing Technology (GuangDong) Co., Ltd.

Building 1, No.18, Shihuan Road, Dongcheng Subdistrict,

Dongguan, Guangdong, China

Tel: +86-0769-22221088

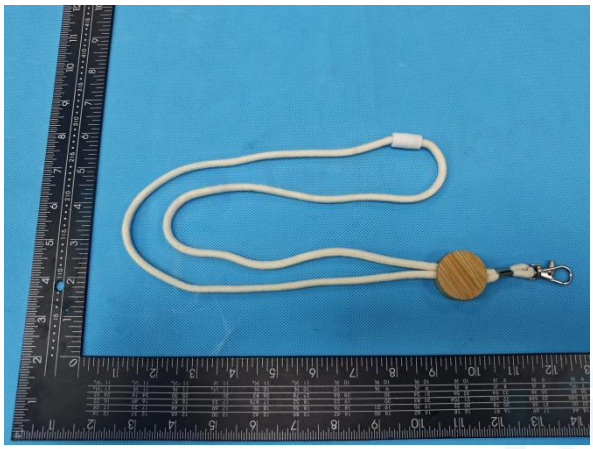
E-mail: info@hdt-lab.com

Website: www.hdt-lab.com

Sample Description:

No.	Description
1	Beige-colored woven rope

Photograph(s) of Sample:



*** End of Report ***

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