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: /

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

Sample Name: Bracelet charging cable, Keyring loop charging cable

Sample Model: MO2646, MO2647

Sample Received Date: Jul. 16, 2025

Testing Period: Jul. 16, 2025 to Jul. 22, 2025

Test Requested

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

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Approved by:

Tony Qian/Technical Manager

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Guangdong KEYS Testing Technology Co., Ltd.
Address: Building 1, No.18, Shihuan Road, Dongcheng Subdistrict, Dongguan, Guangdong, China
Tel: +86-0769-22221088 http://www.keys-lab.com E-mail: info@keys-lab.com

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.	
1. European regulation (EU) No. 1907/2006 (REACH) annex XVII entry 27 on Nickel Release	Pass

Test Report

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 (cm^2)	Volume of test solution (ml)	MDL ($\mu g \cdot cm^{-2} \cdot week^{-1}$)	Test Result ($\mu g \cdot cm^{-2} \cdot week^{-1}$)		
				1-A	1-B	1-C
Nickel(Ni) release	3.9	3.9	0.05	N.D.	N.D.	N.D.
Conclusion	--	--	--	PASS	PASS	PASS

Test item	Sample area (cm^2)	Volume of test solution (ml)	MDL ($\mu g \cdot cm^{-2} \cdot week^{-1}$)	Test Result ($\mu g \cdot cm^{-2} \cdot week^{-1}$)		
				2-A	2-B	2-C
Nickel(Ni) release	3.9	3.9	0.05	N.D.	N.D.	N.D.
Conclusion	--	--	--	PASS	PASS	PASS

Test item	Sample area (cm^2)	Volume of test solution (ml)	MDL ($\mu g \cdot cm^{-2} \cdot week^{-1}$)	Test Result ($\mu g \cdot cm^{-2} \cdot week^{-1}$)		
				3-A	3-B	3-C
Nickel(Ni) release	3.9	3.9	0.05	N.D.	N.D.	N.D.
Conclusion	--	--	--	PASS	PASS	PASS

Test item	Sample area (cm^2)	Volume of test solution (ml)	MDL ($\mu g \cdot cm^{-2} \cdot week^{-1}$)	Test Result ($\mu g \cdot cm^{-2} \cdot week^{-1}$)		
				4-A	4-B	4-C
Nickel(Ni) release	3.9	3.9	0.05	N.D.	N.D.	N.D.
Conclusion	--	--	--	PASS	PASS	PASS

Test Report

Note:

- 1. $\mu g \cdot cm^{-2} \cdot week^{-1}$ = 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 ($\mu g \cdot cm^{-2} \cdot week^{-1}$)	Limit ($\mu g \cdot cm^{-2} \cdot week^{-1}$)	Conclusion according to EN 1811:2023 (using 46% uncertainty for evaluation) ($\mu g \cdot cm^{-2} \cdot week^{-1}$)	
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

Test Report

Sample Description:

No.	Name
1	Silvery metal ring
2	Grey metal casing
3	Silver-gray metal fasteners
4	Silvery metal type-C port

Sample Photo:

*** End of Report ***

Test Report

Report No.: RKEYS250716019 Date: Jul. 25, 2025 Page 1 of 4

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Manufacturer: 117486

Address: /

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

Sample Name: Bracelet charging cable, Keyring loop charging cable

Sample Model: MO2646, MO2647

Sample Received Date: Jul. 16, 2025

Testing Period: Jul. 16, 2025 to Jul. 21, 2025

Test Requested

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

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Approved by:

Tony Qian

Tony Qian/Technical Manager

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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.	
1. Polycyclic-aromatic hydrocarbons(PAHs) content reference to REACH Annex XVII Item No.50	Pass

Test Report

Test Result(s):

1. PAHs Content

Test Item(s)	Unit	MDL	Limit	Test Result (s)	
				1	2
Benzo[a]anthracene (BaA)	mg/kg	0.2	1	N.D.	N.D.
Chrysene (CHR)	mg/kg	0.2	1	N.D.	N.D.
Benzo[b]fluoranthene (BbF)	mg/kg	0.2	1	N.D.	N.D.
Benzo[k]fluoranthene (BkF)	mg/kg	0.2	1	N.D.	N.D.
Benzo[a]pyrene (BaP)	mg/kg	0.2	1	N.D.	N.D.
(Dibenzo[a,h]anthracene (DBA)	mg/kg	0.2	1	N.D.	N.D.
Benzo[j]fluoranthene	mg/kg	0.2	1	N.D.	N.D.
Benzo[e]pyrene	mg/kg	0.2	1	N.D.	N.D.
Sum of PAHs	mg/kg	--	10	N.D.	N.D.

Note:

1. mg/kg= ppm
2. N.D.= Not Detected(<MDL)
3. MDL = Method Detection Limit
4. -- = No Testing

Test Report

Sample Description:

No.	Name
1	Black plastic fasteners
2	Black PU

Sample Photo:

*** End of Report ***