

# TEST REPORT

**APPLICANT** : Mid Ocean Brands B.V.

**ADDRESS** : 7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.

**SAMPLE DESCRIPTION** : Badge holder with metal clip

**ITEM NO.** : MO9642

**SUPPLIER** : 107961

**SAMPLE RECEIVED DATE** : 01-Jun-2021

**TURN AROUND TIME** : 01-Jun-2021 to 21-Jun-2021

The following test item(s) was/were performed on submitted sample(s) and/or component(s) confirmed by applicant

TEST REQUESTED	TEST METHOD/REGULATION	RESULT
Total Lead Content	REACH Annex XVII, Entry 63	Pass
Total Cadmium Content	REACH Annex XVII, Entry 23	Pass
Phthalates Content	REACH Annex XVII, Entry 51 & 52	Pass
Nickel Release	REACH Annex XVII, Entry 27	Pass

*Samples are obtained by express delivery, Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins Product Testing Service (Shanghai) Co., Ltd ensures that this job has been performed according to our Quality System and complying contract and legal conditions. If you happen to have any comments, please do it by sending email to [info.hz@eurofins.com](mailto:info.hz@eurofins.com) and referring to this report number. Reproduction of this document is only valid if it is done completely and under the written permission of Eurofins Product Testing Service (Shanghai) Co., Ltd. If you happen to have any complaints, please do it by sending email to [chinacomplaint@eurofins.com](mailto:chinacomplaint@eurofins.com) and referring to this report number.*

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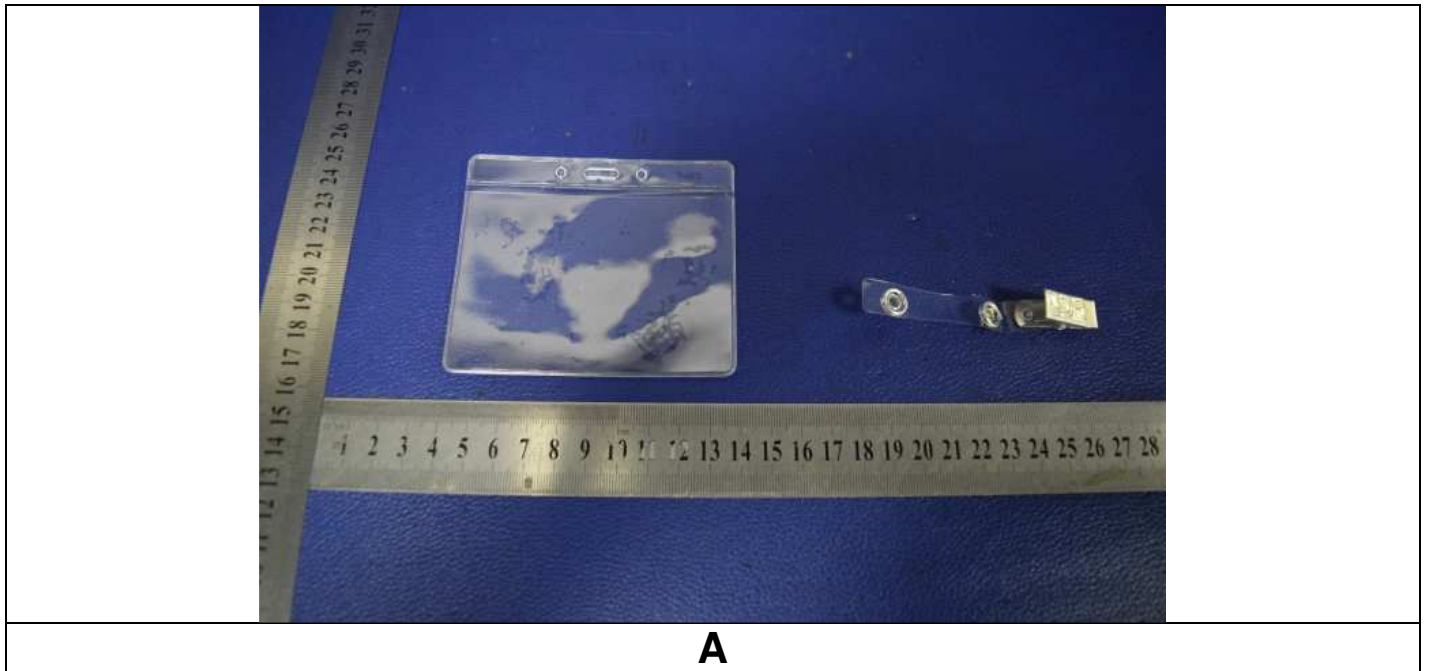
\*\*\*\*\* FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) \*\*\*\*\*

Signed for and on behalf of  
Eurofins Product Testing Service (Shanghai) Co., Ltd Hangzhou Branch

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Lincoln Shi  
Lab Manager of HZ Chemical Laboratory

**SAMPLE PHOTO(S)**



**EFHZ21060043-CG-01**

\*\*\*TO BE CONTINUED\*\*\*

**COMPONENT LIST**

<b>Component No.</b>	<b>Component</b>	<b>Quote From</b>	<b>Sample No.</b>
1	Transparent plastic body	EFHZ21034313-CG-01	A
2	Silver metal button		A

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Total Lead Content

Test Request: Total lead content as specified in entry 63 of annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Regulation (EU) No 2015/628.

Test Method: EPA 3050B:1996, EPA 3051A:2007, EPA 3052:1996  
Acid digestion/ microwave digestion method was used and total lead content was determined by ICP-OES.

Test Item(s)	Unit	Limit	MDL	Result	
				1	2
Total Lead	mg/kg	500	10	ND	ND

#### Remark:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Total Cadmium Content

Test Request: Total cadmium content as specified in Commission Regulation (EU) 2016/217 amending entry 23 of Annex XVII of REACH Regulation (EC) No 1907/2006.

Test Method: EPA 3050B:1996, EPA 3052:1996, EN 1122:2001 Method B, acid digestion method was used and total cadmium content was determined by ICP-OES.

Test Item(s)	Unit	Limit	MDL	Result	
				1	2
Total Cadmium	mg/kg	100	5	ND	ND

#### Remark:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Phthalates Content

Test Request: Phthalates content as specified in entry 51&52 of annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Commission Regulation (EU) 2018/2005.

Test Method: EPA 3550C:2007, EPA 8270E:2018, solvent extraction and quantification by GC-MS.

Test Item(s)	CAS No.	Unit	Limit	MDL	Result
					1
Dibutyl phthalate (DBP)	84-74-2	%	-	0.005	ND
Benzylbutyl phthalate (BBP)	85-68-7	%	-	0.005	ND
Diethylhexyl phthalate (DEHP)	117-81-7	%	-	0.005	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	-	0.005	ND
Sum of DEHP+DBP+BBP+DIBP	-	%	0.1	-	ND
Di-n-octyl phthalate (DNOP)	117-84-0	%	-	0.005	ND
Diisononyl phthalate (DINP)	28553-12-0	%	-	0.005	ND
Diisodecyl phthalate (DIDP)	26761-40-0	%	-	0.005	ND
Sum (DNOP + DINP + DIDP)	-	%	0.1	-	ND

#### Remarks:

MDL = method detection limit

ND = Not detected, less than MDL

"-" = Not Regulated

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Nickel Release

Test Request: Nickel release as specified in regulation (EC) No 552/2009 amending entry 27 of annex XVII of REACH Regulation (EC) No 1907/2006.

Test Method: According to EN1811:2011+A1:2015

Test Item(s)	Unit	MDL	Test Result (*)
			2
Nickel Release-Trial 1	µg/(cm <sup>2</sup> .week)	0.1	0.15
Nickel Release-Trial 2	µg/(cm <sup>2</sup> .week)	0.1	ND
Nickel Release-Trial 3	µg/(cm <sup>2</sup> .week)	0.1	ND

### Note:

MDL = method detection limit

ND = not detected, less than MDL.

µg/cm<sup>2</sup>/week = micrograms per square centimetre per week

### Remark:

\* For materials and articles coming into direct and prolonged contact with the skin the migration limit is 0.5 µg/cm<sup>2</sup>/week. According to EN 1811:2011+A1:2015, considering the combined measurement uncertainty of the method, these materials/articles shall be accepted and be permitted to be placed on the market if the measured nickel release value is less than 0.88 µg/cm<sup>2</sup>/week.

Limit (µg/cm <sup>2</sup> /week)	Test result (µg/cm <sup>2</sup> /week)	Conclusion according to EN1811:2011+A1:2015
0.5	<0.88	Pass
	≥0.88	Fail

\*\*\*END OF THE REPORT\*\*\*