

**TEST REPORT** 

Test Report # 21A-022683(A1) Date of Report Issue: November 25, 2021 Date of Sample Received: November 16, 2021 Pages: Page 1 of 10 **CLIENT INFORMATION:** Company: Mid Ocean Brands B.V. Address: 7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong **SAMPLE INFORMATION:** Measuring tape Product Name: Style No.: MO8239 Labeled Age Grade: Order No.(PO No.): Client Request Age Grade: Country of Origin: Recommended Age Grade: Country of Distribution: Tested Age Grade: Europe

# **OVERALL RESULT:**

**Testing Period:** 

Composition/Main Material:

 $\gamma$  PASS

ABS, steel

11/16/2021-11/25/2021

Please refer to the following pages for test result summary and appropriate notes.

QIMA (HANGZHOU) TESTING CO., LTD.

oremy. Xu

Jeremy Xu Chemical Laboratory Supervisor





Pages:

## **TEST RESULTS SUMMARY:**

At the request of the client, the following tests were conducted:

CONCLUSION	TEST(S) CONDUCTED
PASS	Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 63 Lead in Paints and Surface Coatings
PASS	Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 63 Lead in Substrate Materials
PASS	Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 23 Cadmium in Paints and Surface Coatings
PASS	Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 23 Cadmium in Substrate Materials
PASS	Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 27 Nickel Release



If it is not further specified in the report, the decision rule for stating conformity is based on the <u>QIMA decision rule</u>. This test report may not be reproduced in whole or in part, without written approval of QIMA (Hangzhou) Testing Co., Ltd.



Pages:

## **DETAILED RESULTS:**

## Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 63 Lead in Paints and Surface Coatings

Test Method:CPSC-CH-E1003-09.1Analytical Method:Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	4				Limit
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	(mg/kg)
Total Lead (Pb)	27	ND				500
Conclusion	PASS	PASS				

Note:

mg/kg = Milligrams per kilogram LT = Less than ND = Not detected (Reporting Limit = 15 mg/kg)



A Structure of the specified in the report, the decision rule for stating conformity is based on the <u>QIMA decision rule</u>.
A Structure of the specified in the report, the decision rule for stating conformity is based on the <u>QIMA decision rule</u>.



## **DETAILED RESULTS:**

### Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 63 Lead in Substrate Materials

Test Method:CPSC-CH-E1001-08.3 (Metal) and/or CPSC-CH-E1002-08.3 (Non-Metal)Analytical Method:Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	2	3	5	6	7	Limit
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	(mg/kg)
Total Lead (Pb)	ND	ND	ND	ND	ND	500
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	8	9	10			Limit
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	(mg/kg)
Total Lead (Pb)	ND	ND	ND			500
Conclusion	PASS	PASS	PASS			

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 15 mg/kg)



YHOU) TESTING CO., LTD. • 4-5/F A2 BLDG NO. 1213 HUOJU SOUTH ROAD PUYAN STREET BINJIANG DISTRICT HANGZHOU CHINA
 • Email: Labtesting@qima.com • Tel: (86) 571 8999 7158.
 Test(s) marked with '\$\u03c6\$' was subcontracted to external laboratory.

sal(s) and conclusion(s) in this report relate only to the sample(s) as received and method /regulation section(s) tested as described herein. If it is not further specified in the report, the decision rule for stating conformity is based on the <u>QIMA decision rule</u>.



## **DETAILED RESULTS:**

#### Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 23 Cadmium in Paints and Surface Coatings

Test Method:ASTM F963-17 Clause 8.3.1Analytical Method:Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1	4				Limit
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	(mg/kg)
Total Cadmium (Cd)	ND	ND				1000
Conclusion	PASS	PASS				

Note:

mg/kg = Milligrams per kilogram LT = Less than ND = Not detected (Reporting Limit = 15 mg/kg)



Testing CO., LTD. • 4-5/F A2 BLDG NO. 1213 HUOJU SOUTH ROAD PUYAN STREET BINJIANG DISTRICT HANGZHOU CHINA • Email: Labtesting@qima.com • Tel: (86) 571 8999 7158. Test(s) marked with '\$' was subcontracted to external laboratory. Test(s) and conclusion(s) in this report relate only to the sample(s) as received and method /regulation section(s) tested as described herein. If it is not further specified in the report, the decision rule for stating conformity is based on the <u>QIMA decision rule</u>.



Pages:

## **DETAILED RESULTS:**

#### Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 23 Cadmium in Substrate Materials

Test Method:ASTM F963-17 Clause 8.3.1Analytical Method:Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	2	10				Limit
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	(mg/kg)
Total Cadmium (Cd)	ND	ND				100
Conclusion	PASS	PASS				

Note:

mg/kg = Milligrams per kilogram LT = Less than ND = Not detected (Reporting Limit = 15mg/kg)



Testing CO., LTD. • 4-5/F A2 BLDG NO. 1213 HUOJU SOUTH ROAD PUYAN STREET BINJIANG DISTRICT HANGZHOU CHINA • Email: Labtesting@qima.com • Tel: (86) 571 8999 7158. Test(s) marked with '\$' was subcontracted to external laboratory. Test(s) and conclusion(s) in this report relate only to the sample(s) as received and method /regulation section(s) tested as described herein. If it is not further specified in the report, the decision rule for stating conformity is based on the <u>QIMA decision rule</u>.



## **DETAILED RESULTS:**

#### Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 27 Nickel Release

Test Method:	EN 12472:2020&EN 1811:2011+A1:2015 <sup>1</sup> / EN 1811:2011+A1:2015 <sup>2</sup>
Analytical Method:	Inductively Coupled Plasma-Optical Emission Spectrometry

#### Direct and Prolonged Contact with Skin

Specimen No.				
Specimen No.	Trial 1	Trial 2	Trial 3	
Test Item	Result	Result	Result	Limit
Size of Tested Sample Area (cm <sup>2</sup> )	5	5	5	
Volume of Test solution Used (mL)	5	5	5	
Nickel result (µg/cm <sup>2</sup> /week) <sup>1</sup>	ND	ND	ND	0.5*
Nickel result (µg/cm <sup>2</sup> /week) <sup>2</sup>	ND	ND	ND	0.5
Conclusion		PASS		

Spacimon No.				
Specimen No.	Trial 1	Trial 2	Trial 3	
Test Item	Result	Result	Result	Limit
Size of Tested Sample Area (cm <sup>2</sup> )	15	15	15	
Volume of Test solution Used (mL)	15	15	15	
Nickel result (µg/cm <sup>2</sup> /week) <sup>1</sup>	ND	ND	ND	0.5*
Nickel result (µg/cm <sup>2</sup> /week) <sup>2</sup>	ND	ND	ND	0.5
Conclusion		PASS		

Note:

cm<sup>2</sup> = Square centimeters

 $\mu$ g/cm<sup>2</sup>/week = Micrograms per square centimeter per week

mL = Millilitres

LT = Less than

ND = Not detected (Reporting Limit =  $0.1 \,\mu g/cm^2/week$ )

\*According to EN 1811:2011+A1:2015 Section 9.2.2, the compliance shall be evaluated with the combined measurement uncertainty, an article is:

Pass and permitted to be placed on the market when the nickel release value is less than 0.88  $\mu$ g/cm<sup>2</sup>/week; Fail when the nickel release value is greater than or equal to 0.88  $\mu$ g/cm<sup>2</sup>/week.



Email: Labtesting@qima.com • Tel: (86) 571 8999 7158.
 Test(s) marked with '\u03c6' was subcontracted to external laboratory.

 $\varphi$  (s) and conclusion(s) in this report relate only to the sample(s) as received and method /regulation section(s) tested as described herein.

If it is not further specified in the report, the decision rule for stating conformity is based on the <u>QIMA decision rule</u>.



Pages:

## **SPECIMEN DESCRIPTION:**

Specimen no.	Specimen description	Location
1	Silvery coating	Main body
2	Grey plastic	Main body
3	Silvery metal	Screw
4	Multi-color coating	Ruler
5	Silvery metal	Ruler
6	Silvery metal	Lanyard
7	Silvery metal	Ruler end(ingredients)
8	Silvery metal	Rivet of ruler end
9	Silvery metal	Clip(ingredients)
10	Black plastic	Button



(HARCE DU) TESTING CO., LTD. • 4-5/F A2 BLDG NO. 1213 HUOJU SOUTH ROAD PUYAN STREET BINJIANG DISTRICT HANGZHOU CHINA • Email: Labtesting@qima.com • Tel: (86) 571 8999 7158. Test(s) marked with '\$\u03c6 ' was subcontracted to external laboratory.
Test(s) marked with '\$\u03c6 ' was subcontracted to external laboratory.
Test(s) and conclusion(s) in this report relate only to the sample(s) as received and method /regulation section(s) tested as described herein.

If is not further specified in the report, the decision rule for stating conformity is based on the <u>QIMA decision rule</u>. If it is not further specified in the report, the decision rule for stating conformity is based on the <u>QIMA decision rule</u>. This test report may not be reproduced in whole or in part, without written approval of QIMA (Hangzhou) Testing Co., Ltd.

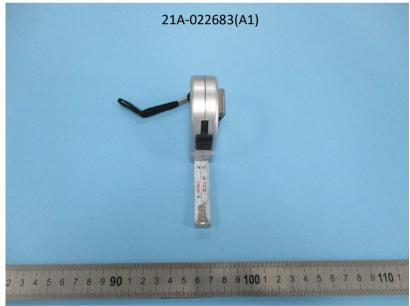


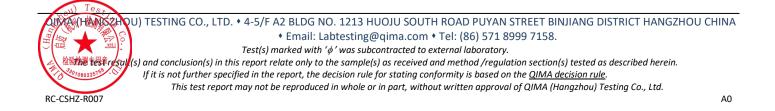
Pages:

Page 9 of 10

## **SAMPLE PHOTO:**









Pages:

Page 10 of 10

# **SAMPLE PHOTO:**



-End Report-



(HANGZHOU) TESTING CO., LTD. • 4-5/F A2 BLDG NO. 1213 HUOJU SOUTH ROAD PUYAN STREET BINJIANG DISTRICT HANGZHOU CHINA • Email: Labtesting@qima.com • Tel: (86) 571 8999 7158. Test(s) marked with '\u03c6 ' was subcontracted to external laboratory. Test(s) and conclusion(s) in this report relate only to the sample(s) as received and method /regulation section(s) tested as described herein.

If it is not further specified in the report, the decision rule for stating conformity is based on the <u>QIMA decision rule</u>. This test report may not be reproduced in whole or in part, without written approval of QIMA (Hangzhou) Testing Co., Ltd.