

Test report

T-26144984-11-R1



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Overall result

Pass

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

Client information

Client: Mid Ocean Brands B.V.
Address: Unit 711-716, 7/F., Tower A, 83 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong



Sample information

Description: recycled ABS professional measuring tape	Labeled age grade: -
Supplier: 118518	Tested age grade: -
Country of origin: -	Buyer: Mid Ocean Brands B.V.
Country of distribution: Europe	
Model#: MO6942, MO8238	
Quantity submitted: 4 pcs per style	

General information

Sample receipt date: 02-Apr-2026
Testing period: 03-Apr-2026 to 17-Apr-2026,
22-Apr-2026 to 27-Apr-2026,
25-May-2026 to 27-May-2026

Report date: 02-Jun-2026

QIMA (Hangzhou) Testing Co., Ltd.

Jeremy Xu

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Chemical Laboratory Manager



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Result summary

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

Test(s) conducted	Conclusion
Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 27 Nickel Release – Direct and Prolonged Contact with Skin	Pass
Regulation (EC) No. 1907/2006 REACH Annex XVII as amended, Item 51 and 52 Phthalates – Mouthable (DBP, BBP, DEHP, DIBP, DnOP, DINP, DIDP)	Pass
Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 50 Polycyclic Aromatic Hydrocarbons (PAHs)	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 63 Lead in Substrate Materials	Pass

Note:

By client's request, selected component was conducted for all chemical testing.



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Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 27 Nickel Release – Direct and Prolonged Contact with Skin

Test Method: EN 12472:2020 and EN 1811:2023(For coated metal);
EN 1811:2023(For uncoated metal)
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry (ICP-OES)

Specimen No.	C1			Limit	Unit
	Trial 1	Trial 2	Trial 3		
Test Item	Result	Result	Result		
Size of Tested Sample Area	5.5	5.5	5.5	---	cm ²
Volume of Test solution Used	5.5	5.5	5.5	---	mL
Nickel result(EN 1811)	ND	ND	ND	0.5	µg · cm ⁻² · week ⁻¹
Nickel result(EN 12472&EN 1811)	0.5	ND	ND	0.5	µg · cm ⁻² · week ⁻¹
Conclusion	Pass				

Note:

cm² = Square centimeters

mL = Millilitres

µg · cm⁻² · week⁻¹ = Micrograms per square centimeter per week

LT = Less than

ND = Not detected (Reporting Limit = 0.1 µg · cm⁻² · week⁻¹)

Remark:

Limit 0.5 : According to EN 1811:2023, clause 9.2.2, applying the measurement uncertainty, an article is:

Compliant when the nickel release value is less than or equal to 0.88 µg · cm⁻² · week⁻¹;

Non-compliant when the nickel release value is greater than 0.88 µg · cm⁻² · week⁻¹.





Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII as amended, Item 51 and 52 Phthalates – Mouthable (DBP, BBP, DEHP, DIBP, DnOP, DINP, DIDP)

Test Method: CPSC-CH-C1001-09.4
Analytical Method: Gas Chromatography-Mass Spectrometry (GC-MS)

Specimen No.		C5+C6	C7+C8+C9	C11+C12+C13	C14+C15	Limit	Unit
Test Item	CAS No.	Result	Result	Result	Result		
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	0.1	% w/w
Butyl benzyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	0.1	% w/w
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	ND	ND	ND	ND	0.1	% w/w
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	0.1	% w/w
Sum of DBP, BBP, DEHP, DIBP	---	ND	ND	ND	ND	0.1	% w/w
Di-n-octyl phthalate (DnOP)	117-84-0	ND	ND	ND	ND	---	% w/w
Diisononyl phthalate (DINP)	28553-12-0 / 68515-48-0	ND	ND	ND	ND	---	% w/w
Diisodecyl phthalate (DIDP)	26761-40-0 / 68515-49-1	ND	ND	ND	ND	---	% w/w
Sum of DnOP, DINP, DIDP	---	ND	ND	ND	ND	0.1	% w/w
Conclusion		Pass	Pass	Pass	Pass		

Note:

% w/w = Percent by weight

LT = Less than

ND = Not detected (Reporting Limit = 0.015 % w/w)

Composite results are based on specimen of least mass resulting in highest potential concentration.





Detailed results

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 50 Polycyclic Aromatic Hydrocarbons (PAHs)

Test Method: AfPS GS 2019:01 PAK
Analytical Method: Gas Chromatography-Mass Spectrometry (GC-MS)

Specimen No.		C5+C6	C7+C8+C9	C11+C12+C13	---	Limit	Unit
Test Item	CAS No.	Result	Result	Result	Result		
Benzo (a) pyrene	50-32-8	ND	ND	ND	---	1	mg/kg
Benzo (e) pyrene	192-97-2	ND	ND	ND	---	1	mg/kg
Benzo[a]anthracene	56-55-3	ND	ND	ND	---	1	mg/kg
Chrysene	218-01-9	ND	ND	ND	---	1	mg/kg
Benzo (b) fluoranthene	205-99-2	ND	ND	ND	---	1	mg/kg
Benzo (j) fluoranthene	205-82-3	ND	ND	ND	---	1	mg/kg
Benzo[k]fluoranthene	207-08-9	ND	ND	ND	---	1	mg/kg
Dibenzo (a,h) anthracene	53-70-3	ND	ND	ND	---	1	mg/kg
Conclusion		Pass	Pass	Pass	---		

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 0.2 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.



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Detailed results

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

Test Method: ASTM F963-23 Clause 8.3.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry (ICP-OES)

Specimen No.		C5+C6	C7+C8+C9	C11+C12+C13	C14+C15	Limit	Unit
Test Item	CAS No.	Result	Result	Result	Result		
Cadmium (Cd)	7440-43-9	ND	ND	ND	ND	100	mg/kg
Conclusion		Pass	Pass	Pass	Pass		

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 20 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.





Detailed results

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

Test Method: CPSC-CH-E1001-08.3 (Metal);
CPSC-CH-E1002-08.3 (Non-Metal)
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry (ICP-OES)

Specimen No.		C1	C2	C3	C4	Limit	Unit
Test Item	CAS No.	Result	Result	Result	Result		
Lead (Pb)	7439-92-1	ND	ND	ND	ND	500	mg/kg
Conclusion		Pass	Pass	Pass	Pass		

Specimen No.		C5+C6	C7+C8+C9	C10	C11+C12+C13	Limit	Unit
Test Item	CAS No.	Result	Result	Result	Result		
Lead (Pb)	7439-92-1	ND	ND	ND	ND	500	mg/kg
Conclusion		Pass	Pass	Pass	Pass		

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 20 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.





Specimen description

Specimen #	Specimen description	Location
C1	silvery metal	all styles-hook
C2	multi-color coated silvery metal	red style/yellow style/grey style-tape measure
C3	silvery metal	all styles-clip
C4	silvery metal	all styles-clip screw
C5	black soft plastic	all styles-handle
C6	black soft plastic	all styles-shell
C7	black plastic	all styles-button
C8	red plastic	red style-main body
C9	silvery coated translucent plastic	silvery style-main body
C10	multi-color coated silvery metal	silvery style/black style-tape measure
C11	black plastic	black style-main body
C12	grey plastic	grey style-main body
C13	yellow plastic	yellow style-main body
C14	white plastic	red style/yellow style/grey style-inner axle
C15	black plastic	silvery style/black style-inner axle





Pictures

Sample photo:



End of the report

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and the 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 QIMA decision rule. (<https://www.qima.com/conditions-of-service#decisionRule>). This test report may not be reproduced in whole or in part, without the written approval of QIMA (Hangzhou) Testing Co., Ltd.



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