



中国认可  
国际互认  
检测  
TESTING  
CNAS L6478



# TEST REPORT

**Reference No.** ..... : WTF18F07119317C  
**Applicant** ..... : Mid Ocean Brands B.V.  
**Address** ..... : 7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong  
**Manufacturer** ..... : 114628  
**Sample Name** ..... : Compass  
**Model No.** ..... : AR1249  
**Test Requested** ..... : 1) Determination of Lead content in the submitted sample in accordance with REACH regulation Annex XVII Entries 63 (EC) No. 1907/2006 and the amendment No. 836/2012 and (EU) 2015/628  
 2) Determination of Cadmium content in the submitted sample in accordance with REACH regulation Annex XVII Entries 23 (EC) No. 1907/2006 and the amendment No. 552/2009, No. 494/2011, No. 835/2012 and (EU) 2016/217  
**Test Method** ..... : Please refer to next page (s)  
**Test Conclusion** ..... : Please refer to next page (s)  
**Date of Receipt sample** ..... : 2018-07-27  
**Date of Test** ..... : 2018-07-27 to 2018-08-02  
**Date of Issue** ..... : 2018-08-09  
**Test Result** ..... : Please refer to next page (s)

**Remarks:**

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of reporter and reviewer.

**Prepared By:**

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Compiled by:

*Swing Liang*

Swing.Liang /Project Engineer

Approved by:



*Dino Zhang*

Dino Zhang /Lab Manager

**Test Result:****1) Lead (Pb)**

Test Method: With reference to IEC 62321-5:2013, the analysis was performed by ICP-OES.

Test Item	MDL (mg/kg)	Results (mg/kg)			Limit (mg/kg)
		No.1	No.2	No.3	
Lead(Pb)	2	ND	ND	ND	500
<b>Conclusion</b>	--	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	--

Test Item	MDL (mg/kg)	Results (mg/kg)			Limit (mg/kg)
		No.4	No.5	No.6	
Lead(Pb)	2	ND	ND	ND	500
<b>Conclusion</b>	--	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	--

Test Item	MDL (mg/kg)	Results (mg/kg)			Limit (mg/kg)
		No.7	No.8	No.9	
Lead(Pb)	2	ND	ND	217	500
<b>Conclusion</b>	--	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	--

Test Item	MDL (mg/kg)	Results (mg/kg)			Limit (mg/kg)
		No.10	No.11	No.12	
Lead(Pb)	2	ND	ND	ND	500
<b>Conclusion</b>	--	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	--

**Note:**

- (1) mg/kg = milligram per kilogram
- (2) ND = Not Detected (lower than MDL)
- (3) MDL = Method Detection Limit
- (4) Limit of Lead was quoted from REACH regulation Annex XVII Item 63 (EC) No. 1907/2006 and the amendment No. 836/2012 and (EU) 2015/628.



## 2) Cadmium (Cd)

Test Method: With reference to IEC 62321-5:2013, the analysis was performed by ICP-OES.

Test Item	MDL (mg/kg)	Results (mg/kg)			
		No.2	No.3	No.4	No.5
Cadmium(Cd)	2	ND	ND	ND	ND
<b>Conclusion</b>	--	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

Test Item	MDL (mg/kg)	Results (mg/kg)		
		No.6	No.7	No.12
Cadmium(Cd)	2	ND	ND	ND
<b>Conclusion</b>	--	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>

### Note:

- (1) mg/kg = milligram per kilogram
- (2) ND = Not Detected (lower than MDL)
- (3) MDL = Method Detection Limit
- (4) Limit of Cadmium according to REACH regulation Annex XVII Item 23 (EC) No. 1907/2006 and the amendment No. 552/2009, No. 494/2011 and No. 835/2012 and (EU) 2016/217.

Category	Limit (mg/kg)
Wet paint	100
Surface coating	1000
Plastic	100
Metal parts of jewellery and hair accessories	100

### Test Specimen Description:

- No.1: Silvery metal shell
- No.2: Transparent plastic sheet
- No.3: Black fabric
- No.4: Blue paper sheet
- No.5: Transparent fibrous adhesive tape
- No.6: Silvery metal sheet with black-white coating
- No.7: Black plastic ring
- No.8: Silvery metal shaft
- No.9: Coppery metal sleeve
- No.10: Silvery metal pointer
- No.11: Silvery metal box
- No.12: Black sponge

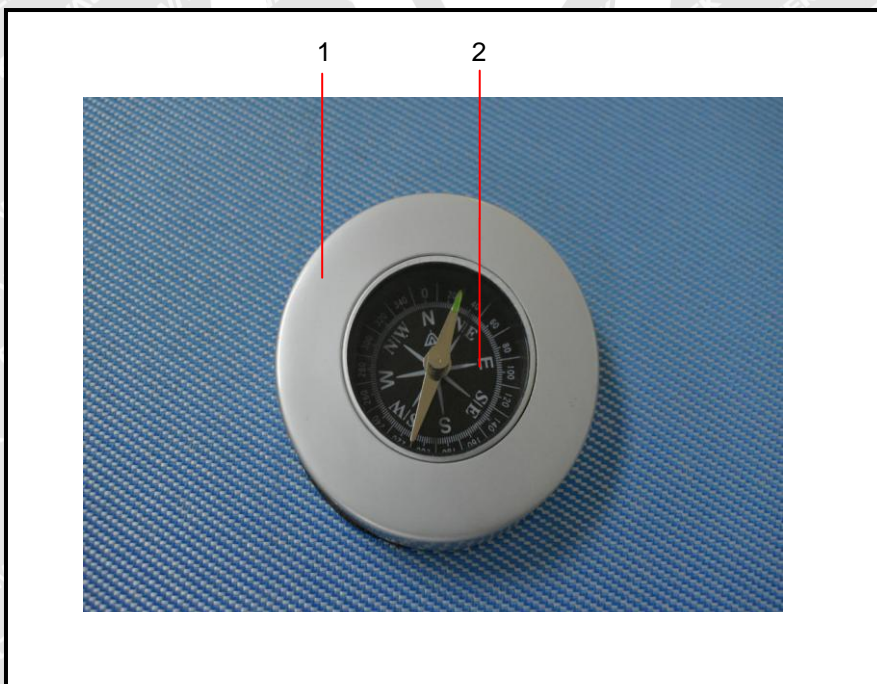


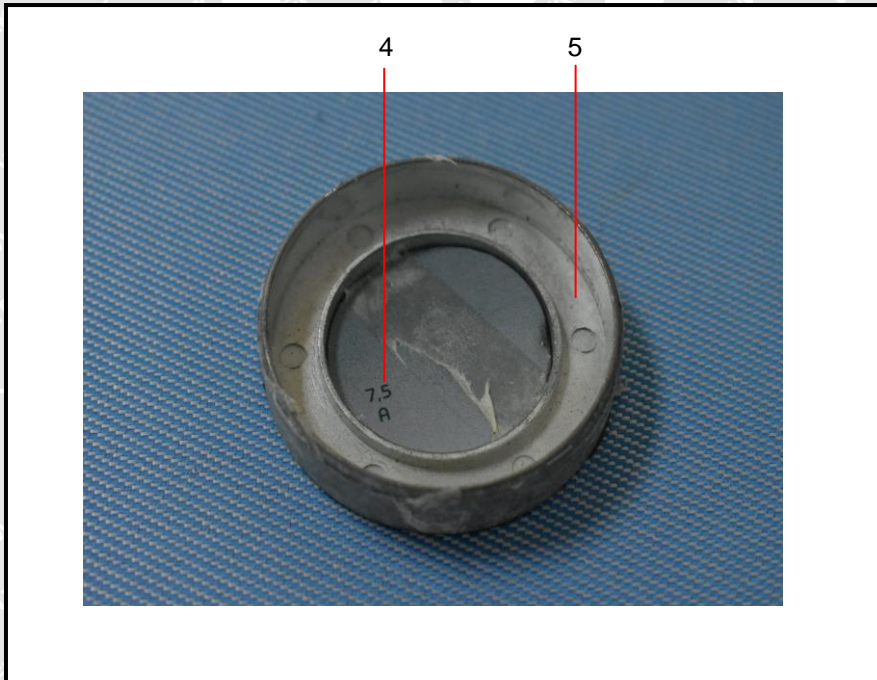
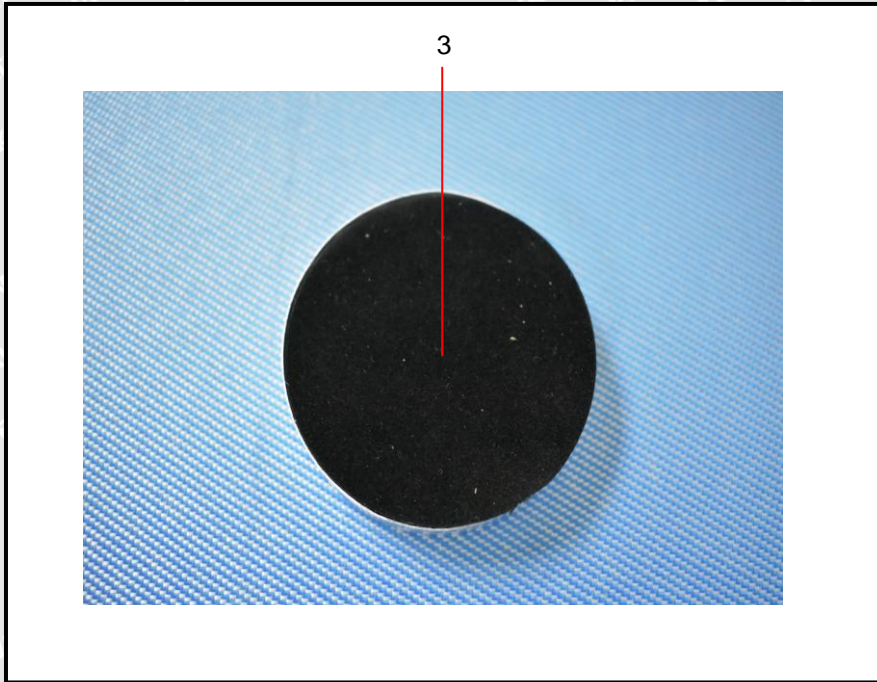


**Sample photo:**

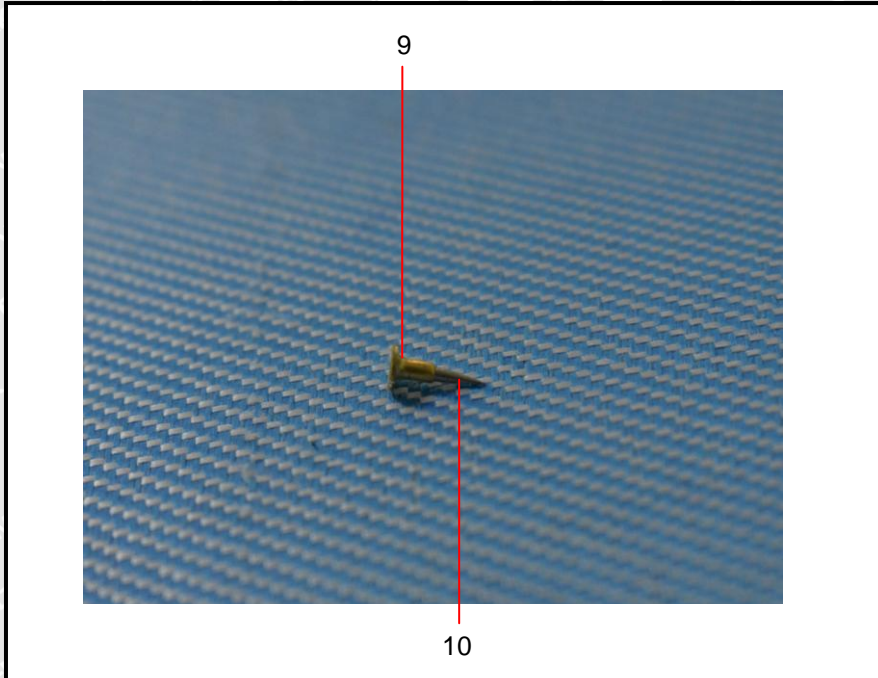
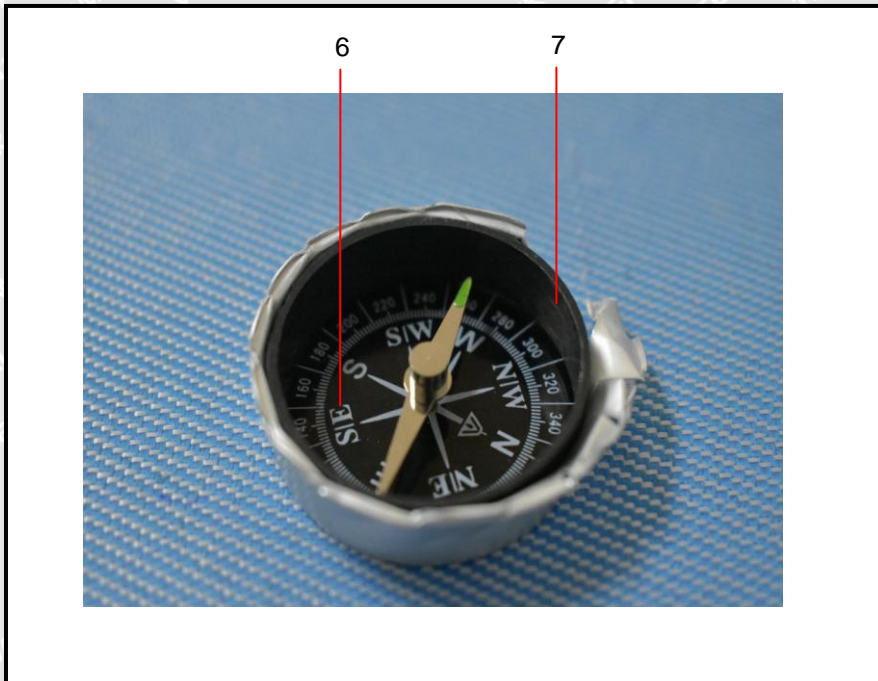


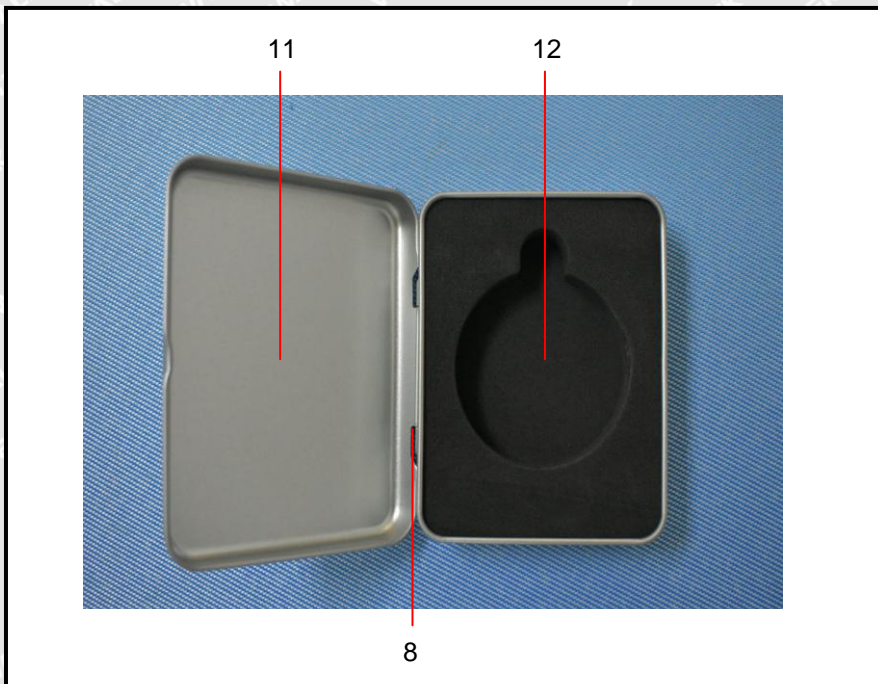
**Photographs of parts tested:**











===== End of Report =====

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# TEST REPORT

**Reference No.**..... : WTF18F07119315C  
**Applicant**..... : Mid Ocean Brands B.V.  
**Address**..... : 7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon,  
 Hong Kong  
**Manufacturer**..... : 114628  
**Sample Name**..... : Compass  
**Model No.**..... : AR1249  
**Test Requested**..... : Nickel content requirement in Annex XVII Item 27 of the REACH  
 Regulation (EC) No. 1907/2006 & amendment No.552/2009 (formerly  
 known as Directive 94/27/EC and 2004/96/EC)  
**Test Method**..... : Please refer to next page (s)  
**Test Conclusion**..... : Please refer to next page (s)  
**Date of Receipt sample**..... : 2018-07-27  
**Date of Test**..... : 2018-07-27 to 2018-08-09  
**Date of Issue**..... : 2018-08-13  
**Test Result**..... : Please refer to next page (s)

**Remarks:**

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Compiled by:

Approved by:

*Swing Liang*



*Ding Zhang*

Swing.Liang /Project Engineer

Ding Zhang /Lab Manager



**Test Result:**

Test method: With reference BS EN1811: 2011+A1:2015, Nickel content was determined by Inductively Coupled Argon Plasma Spectrometry

Item No.	Sample Area (cm <sup>2</sup> )	Volume of Test Solution(ml)	Nickel release (µg/cm <sup>2</sup> /week)				Conclusion
			Trial 1	Trial 2	Trial 3	Average	
No.1	78	80	ND	ND	ND	ND	Pass

**Note:**

- (1) µg/cm<sup>2</sup>/week = microgram per square centimetre per week
- (2) Method Detection limit = 0.05 µg/cm<sup>2</sup>/week
- (3) ND = Not detected or less than the value of Method Detection Limit
- (4) Interpretation of test results:

Type of sample	Nickel Release(µg/cm <sup>2</sup> /week)	
	Pass	Fail
Other components in direct and prolonged contact with the skin	<0.88	≥0.88
Post assemblies and body piercings (Post assemblies which are inserted into pierced parts of the human body)	<0.35	≥0.35

**Test Specimen Description:**

No.1: Silvery metal shell

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**Sample photo:**



**Photographs of parts tested:**



===== End of Report =====