



中国认可  
国际互认  
检测  
TESTING  
CNAS L6478



# TEST REPORT

**Reference No.** ..... : WTF19F03017471C  
**Applicant** ..... : Mid Ocean Brands B.V.  
**Address** ..... : 7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong  
**Manufacturer** ..... : 114036  
**Sample Name** ..... : Pedometer bracelet  
**Model No.** ..... : MO9136  
**Test Requested** ..... : 1) Determination of specified Polycyclic Aromatic Hydrocarbons (PAHs) content in submitted sample in accordance with Entries 50 of Annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Regulation (EU) No 1272/2013.  
 2) 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**..... : 2019-03-26  
**Date of Test**..... : 2019-03-26 to 2019-04-04  
**Date of Issue** ..... : 2019-04-04  
**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.

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**Test Result:****1) Polycyclic Aromatic Hydrocarbons (PAHs)**

Test Method: With reference to AFPS GS 2014:01 PAK method, analysis was performed by Gas Chromatographic Mass Spectrometry (GC-MS).

Test Items	Unit	Results	MDL	Limit
		No.1+No.2+No.3		
Benzo(a)anthracene (BaA)	mg/kg	ND*	0.2	1.0
Chrysene (CHR)	mg/kg	ND*	0.2	1.0
Benzo[b]fluoranthene (BbFA)	mg/kg	ND*	0.2	1.0
Benzo[k]fluoranthene (BkFA)	mg/kg	ND*	0.2	1.0
Benzo(a)pyrene (BaP)	mg/kg	ND*	0.2	1.0
Dibenzo[a,h]anthracene (DBAhA)	mg/kg	ND*	0.2	1.0
Benzo[j]fluoranthene (BjFA)	mg/kg	ND*	0.2	1.0
Benzo[e]Pyrene (BeP)	mg/kg	ND*	0.2	1.0
<b>Conclusion</b>	--	<b>Pass</b>	--	--

**Note:**

- (1) ND = Not Detected or less than method detection limit
- (2) mg/kg=milligram per kilogram=ppm
- (3) MDL = Method Detection Limit
- (4) As per Entries 50 of Annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Regulation (EU) No 1272/2013, Articles shall not be placed on the market for supply to the general public, if any of their rubber or plastic components that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use, contain more than 1 mg/kg (0,0001 % by weight of this component) of any of the listed PAHs.
- (5) As per Entries 50 of Annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Regulation (EU) No 1272/2013, Toys, including activity toys, and childcare articles, shall not be placed on the market, if any of their rubber or plastic components that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use, contain more than 0,5 mg/kg (0,00005 % by weight of this component) of any of the listed PAHs.
- (6) "\*"=Results are calculated by the minimum weight of mixed components.



## 2) Nickel release

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.4	10.96	15	ND	ND	ND	ND	Pass
No.5	9	10	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: Black plastic bracelet

No.2: Black plastic case

No.3: Transparent plastic screen

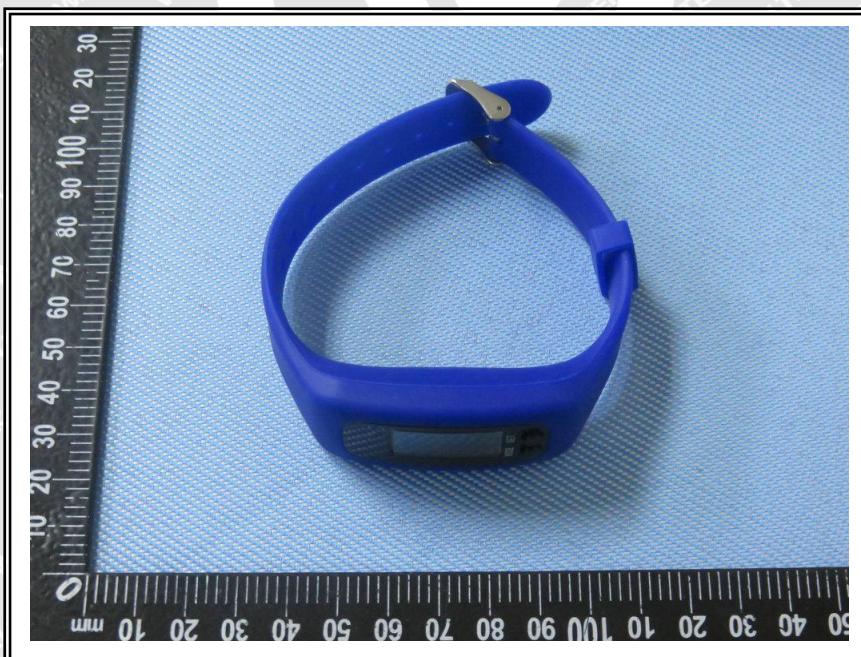
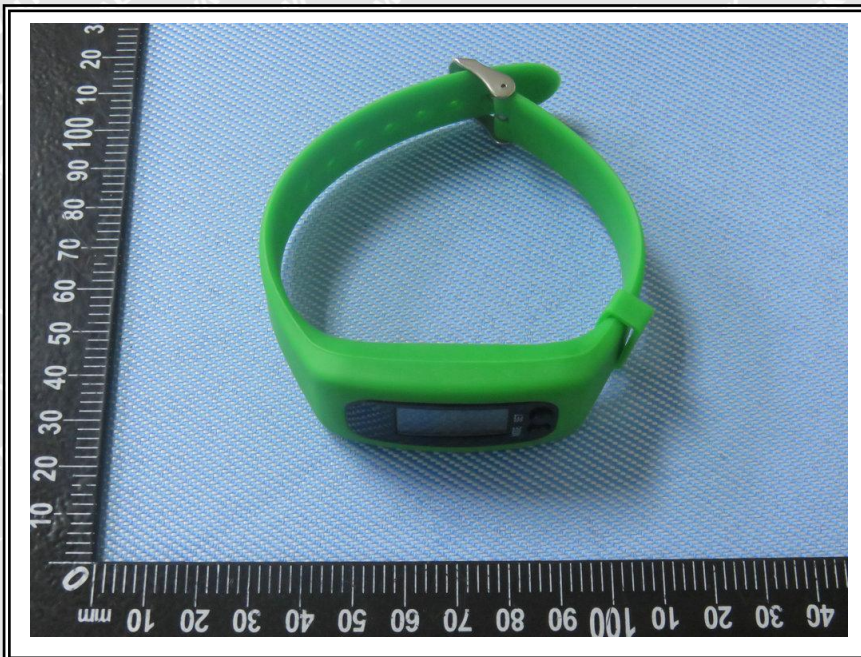
No.4: Silvery metal buckle

No.5: Silvery metal buckle



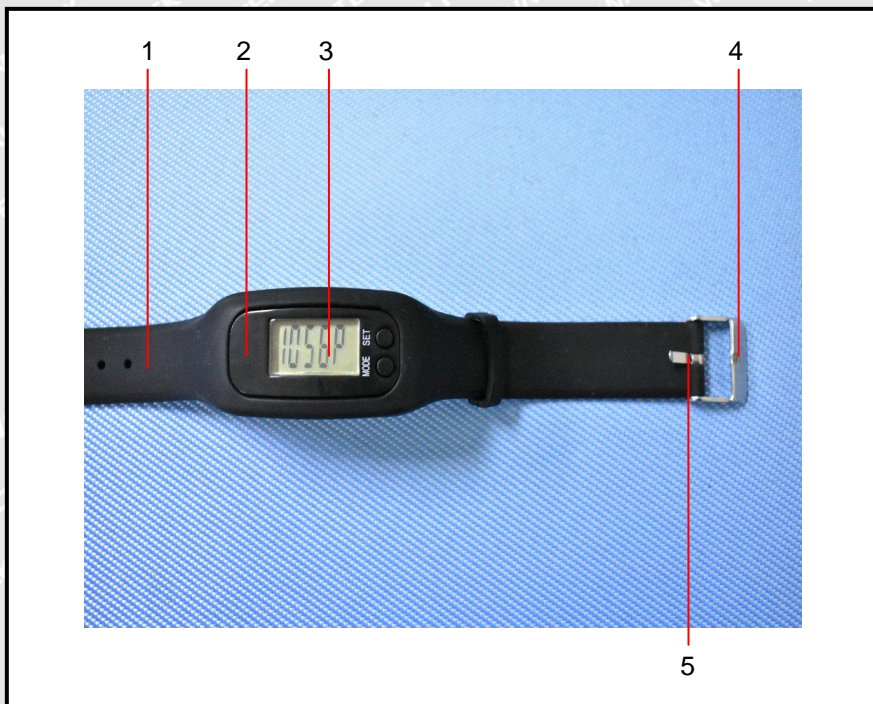
**Sample photo:**







**Photographs of parts tested:**



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

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