



中国认可  
国际互认  
检测  
TESTING  
CNAS L6478



# TEST REPORT

**Reference No.** ..... : WTF19F08053725X1C  
**Applicant** ..... : Mid Ocean Brands B.V.  
**Address** ..... : 7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong  
**Manufacturer** ..... : 112635  
**Sample Name** ..... : EVA beach slippers  
**Model No.** ..... : MO9082, MU5001, MU5002, MU5003  
**Test Method** ..... : Please refer to next page (s)  
**Test Conclusion** ..... : Please refer to next page (s)  
**Date of Receipt sample** ..... : 2019-08-05  
**Date of Test** ..... : 2019-08-05 to 2019-08-12  
**Date of Issue** ..... : 2019-08-16  
**Test Result** ..... : Please refer to next page (s)  
**Note** ..... : This report is based on Waltek test report WTF19F08053725C for revising, and replaced report WTF19F08053725C

**Remarks:**

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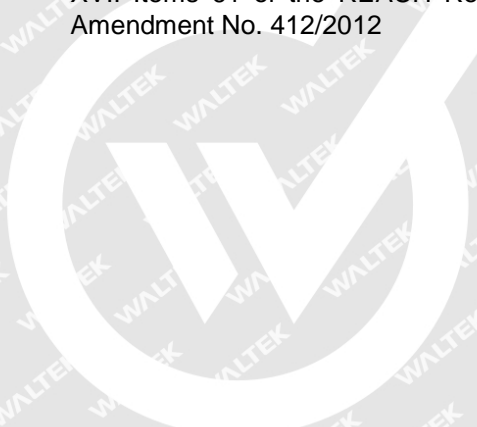


*Dino Zhang*

Dino.Zhang /Lab Manager



- 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
  - 3) Determination of specified Phthalates content according to Annex XVII Items 51 & 52 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 & No. 2018/2005
  - 4) 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.
  - 5) Determine the Organic tins content according to Annex XVII Items 20 of the REACH Regulation (EC) No.1907/2006 & amendment (EU) No. 276/2010 (formerly known as decision 2009/425/EC)
  - 6) Determine the Dimethyl Fumarate content requirement in Annex XVII Items 61 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 412/2012



**WALTEK**

**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	
Lead(Pb)	2	ND*	500
<b>Conclusion</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.
- (5) "\*" = Results are calculated by the minimum weight of mixed components.

**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.1+No.2
Cadmium(Cd)	2	ND*
<b>Conclusion</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

- (5) "\*" = Results are calculated by the minimum weight of mixed components.





### 3) Phthalates

Test Method: With reference to EN14372:2004, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test Items	MDL (%)	Results (%)	Limit (%)
		No.1+No.2	
Benzyl butyl phthalate (BBP)	0.005	ND*	sum of four phthalates < 0.1
Di (2-ethyl hexyl)- phthalate (DEHP)	0.005	ND*	
Dibutyl phthalate (DBP)	0.005	ND*	
Diisobutyl phthalate (DIBP)	0.005	ND*	
Diisodecyl phthalate (DIDP)	0.01	ND*	sum of three phthalates < 0.1
Diisononyl phthalate (DINP)	0.01	ND*	
Di-n-octyl phthalate (DNOP)	0.005	ND*	
<b>Conclusion</b>	--	<b>Pass</b>	--

#### Note:

DBP= Dibutyl phthalate

BBP= Benzyl butyl phthalate

DEHP= Bis-(2-ethylhexyl)- phthalate

DINP= Di-isononyl phthalate

DNOP= Di-n-octyl phthalate

DIDP= Di-isodecyl phthalate

DIBP= Diisobutyl phthalate

(1) % = percentage by weight

(2) ND = Not detected or Less than the method detection limit

(3) MDL=Method Detection Limit

(4) "<" = less than

(5) The above limit was quoted according to Annex XVII Items 51 & 52 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 & No. 2018/2005 (formerly known as Directive 2005/84/EC) for phthalate content in toys and child care articles.

(6) "\*" = Results are calculated by the minimum weight of mixed components.



#### 4) 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		
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.



### 5) Organic tins

Test Method: With reference to DIN EN ISO 17353:2005, analysis was performed by Gas Chromatographic Mass Spectrometry (GC-MS)

Test Items	Unit	MDL	Result	Limit
			No.1+No.2	
Dibutyl Tin (DBT)	mg/kg	1.0	ND*	1000
Tributyl Tin (TBT)	mg/kg	1.0	ND*	1000
Triphenyl Tin (TPT)	mg/kg	1.0	ND*	1000
Diocetyl Tin (DOT)	mg/kg	1.0	ND*	1000
<b>Conclusion</b>	--	--	<b>Pass</b>	--

#### Note:

- (1) mg/kg = milligram per kilogram= ppm
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (lower than MDL)
- (4) The above limit was quoted from Annex XVII Items 20 of the REACH Regulation (EC) No.1907/2006 & amendment (EU) No. 276/2010 (formerly known as decision 2009/425/EC).
- (5) "\*" = Results are calculated by the minimum weight of mixed components.

### 6) Dimethyl Fumarate(DMF)

Test Method: With reference to US EPA 3550C:2007& US EPA 8270D: 2014, analysis was performed by GC-MS

Test Item	MDL	Unit	Result	Limit
			No.1+No.2	
Dimethyl Fumarate (DMF) <sup>#</sup>	0.1	mg/kg	ND*	0.1
<b>Conclusion</b>	--	--	<b>Pass</b>	--

#### Note:

- (1) mg/kg = milligram per kilogram= ppm
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (lower than MDL)
- (4) The above limit was quoted from Annex XVII Items 61 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 412/2012
- (5) "\*" = Results are calculated by the minimum weight of mixed components.
- (6) The testing item marked with '#' does not been accredited by CNAS

#### Test Specimen Description:

No.1: Orange plastic slippers entrainment

No.2: White sponge slippers sole with multicolor printing



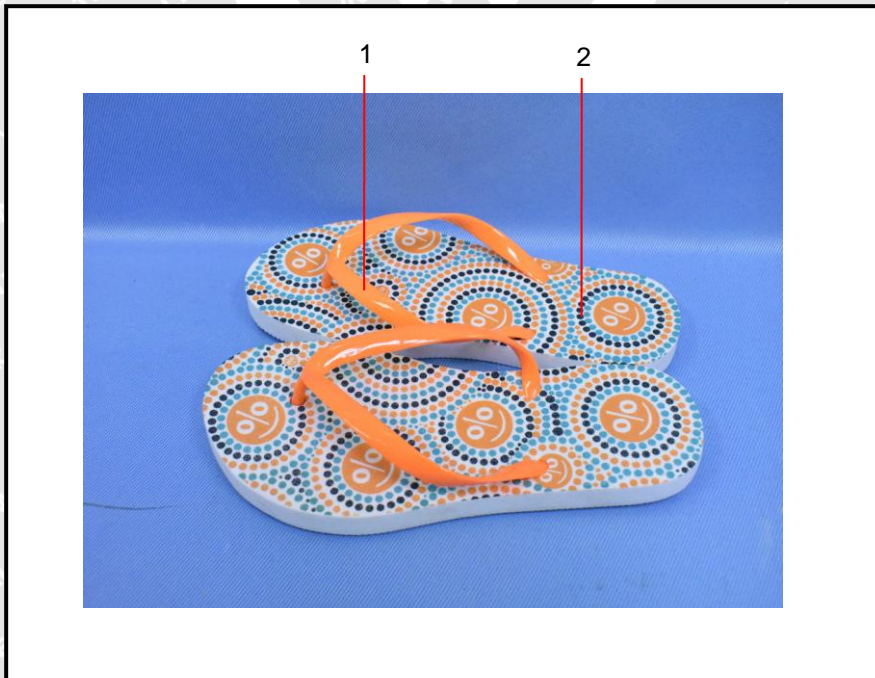


**Sample photo:**





Photographs of parts tested:



==== End of Report ====