中国认可
国际互认
检测
TESTING
CNAS L6478

TEST REPORT

Reference No.	:	WTF18F09125390X1C
Applicant	:	Mid Ocean Brands B.V.
Address	:	7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong
Manufacturer	:	115375
Sample Name	:	Key chain
Model No.	:	MK4007, MK4008, MK4009, MPIN04, MBTN01, ML3005, MT1004, MPHN03, MPHN04, MPHN05, MPHN06, MPHN07, ML4001, ML4002, ML4003
Test Requested	:	1) 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 2) 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 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 4) As requested by client, to determine the Diisobutyl phthalate (DIBP) content in the submitted samples
Test Method	:	Please refer to next page (s)
Test Conclusion	:	Please refer to next page (s)
Date of Receipt sample	:	2018-09-30
Date of Test	:	2018-09-30 to 2018-10-13
Date of Issue	:	2018-10-19
Test Result	:	Please refer to next page (s)
Note	:	This report is based on Waltek test report WTF18F09125390C for revising, and replaced report WTF18F09125390C.

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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Compiled by: Swing Liang
Swing.Liang /Project Engineer

Approved by: Dino Zhang
Dino.Zhang /Lab Manager

Test Result:

1) 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.3	No.8	No.11
Cadmium(Cd)	2	ND	ND	ND
Conclusion	--	**Pass**	**Pass**	**Pass**

Test Item	MDL (mg/kg)	Results (mg/kg)		
		No.12	No.13	No.14
Cadmium(Cd)	2	ND	ND	ND
Conclusion	--	**Pass**	**Pass**	**Pass**

Test Item	MDL (mg/kg)	Results (mg/kg)		
		No.15	No.17	No.18
Cadmium(Cd)	2	ND	ND	ND
Conclusion	--	**Pass**	**Pass**	**Pass**

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

2) 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.4	No.5	
Lead(Pb)	2	ND	ND	ND	ND	500
Conclusion	--	**Pass**	**Pass**	**Pass**	**Pass**	--

Test Item	MDL (mg/kg)	Results (mg/kg)				Limit (mg/kg)
		No.6	No.7	No.8	No.9	
Lead(Pb)	2	ND	ND	ND	30	500
Conclusion	--	**Pass**	**Pass**	**Pass**	**Pass**	--

Test Item	MDL (mg/kg)	Results (mg/kg)				Limit (mg/kg)
		No.10	No.11	No.12	No.13	
Lead(Pb)	2	ND	ND	ND	ND	500
Conclusion	--	**Pass**	**Pass**	**Pass**	**Pass**	--

Test Item	MDL (mg/kg)	Results (mg/kg)			Limit (mg/kg)
		No.14	No.15	No.16	
Lead(Pb)	2	ND	ND	ND	500
Conclusion	--	**Pass**	**Pass**	**Pass**	--

Test Item	MDL (mg/kg)	Results (mg/kg)		Limit (mg/kg)
		No.17	No.18	
Lead(Pb)	2	ND	ND	500
Conclusion	--	**Pass**	**Pass**	--

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.

3) Phthalates

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

Test Items	BBP	DBP	DEHP	DIDP	DINP	DNOP	--
MDL (%)	0.005	0.005	0.005	0.01	0.01	0.005	--
Limit (%)	sum of three phthalates < 0.1			sum of three phthalates < 0.1			--
Specimen No.	Result (%)						Conclusion
No.8	ND	ND	ND	ND	ND	ND	Pass
No.11	ND	ND	ND	ND	ND	ND	Pass
No.12	ND	ND	ND	ND	ND	ND	Pass
No.13	ND	ND	ND	ND	ND	ND	Pass
No.14	ND	ND	ND	ND	ND	ND	Pass
No.15	ND	ND	ND	ND	ND	ND	Pass
No.17	ND	ND	ND	ND	ND	ND	Pass
No.18	ND	ND	ND	ND	ND	ND	Pass

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

(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(formerly known as Directive 2005/84/EC) for phthalate content in toys and child care articles.

4) Diisobutyl Phthalate(DIBP)

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

Test Item(s)	MDL (mg/kg)	Results (mg/kg)				Client's Limit (mg/kg)
		No.8	No.11	No.12	No.13	
Diisobutyl phthalate (DIBP)	50	ND	ND	ND	ND	1000
Conclusion	--	**Pass**	**Pass**	**Pass**	**Pass**	--

Test Item(s)	MDL (mg/kg)	Results (mg/kg)				Client's Limit (mg/kg)
		No.14	No.15	No.17	No.18	
Diisobutyl phthalate (DIBP)	50	ND	ND	ND	ND	1000
Conclusion	--	**Pass**	**Pass**	**Pass**	**Pass**	--

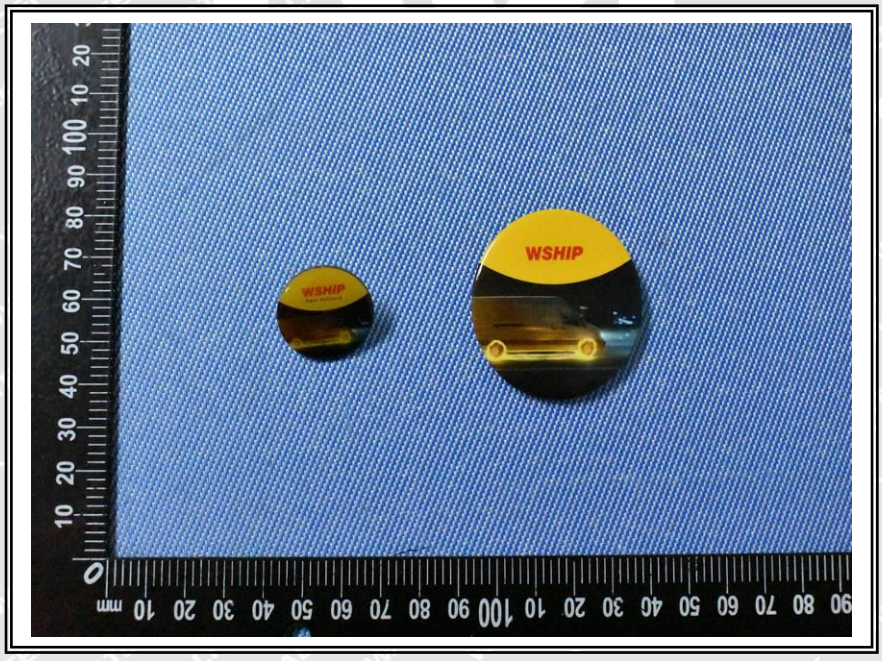
Note:

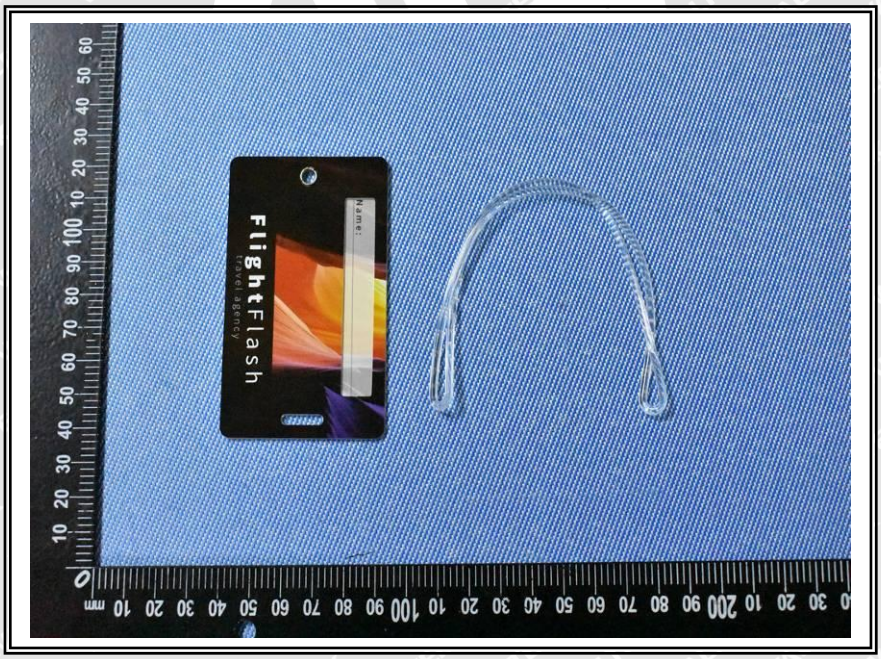
(1) mg/kg=milligram per kilogram=ppm
(2) ND = Not detected or Less than the method detection limit
(3) MDL=Method Detection Limit

Test Specimen Description:

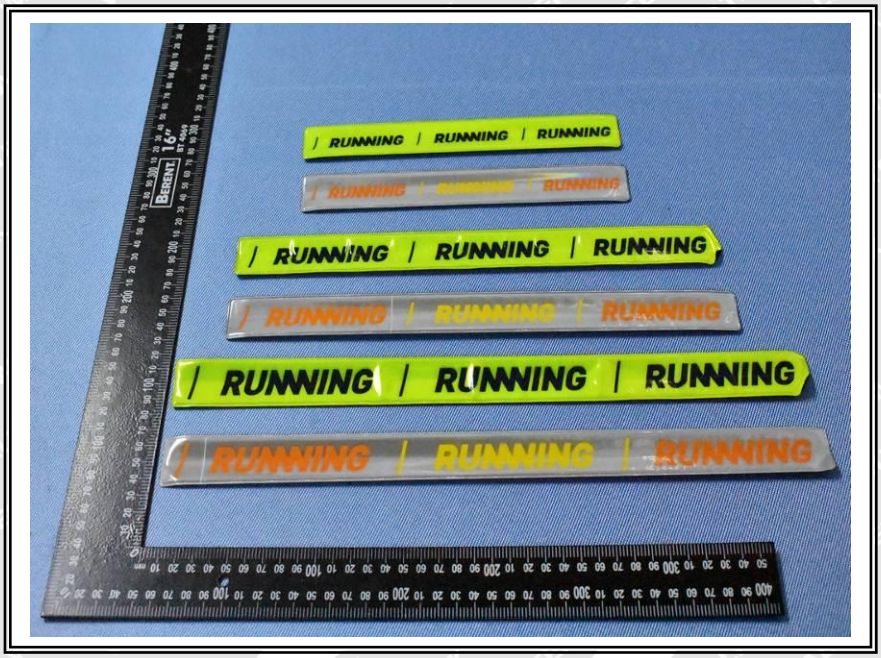
No.1: Silvery metal sheet with multicolor coating
No.2: Silvery metal sheet with multicolor coating
No.3: Multicolor plastic sheet
No.4: Silvery metal buckle
No.5: Multicolor paper
No.6: Silvery metal buckle
No.7: Silvery metal sheet
No.8:Multicolor soft plastic ring
No.9:White plastic card with multicolor coating
No.10:Silvery metal ring
No.11:Green soft plastic shell
No.12:White soft plastic sheet with yellow and black printing
No.13:White soft plastic sheet
No.14:Red soft plastic block
No.15:Yellow plastic sheet with black printing
No.16:Black fabric
No.17:Blue soft plastic shell with multicolor coating
No.18:White soft plastic shell with multicolor coating

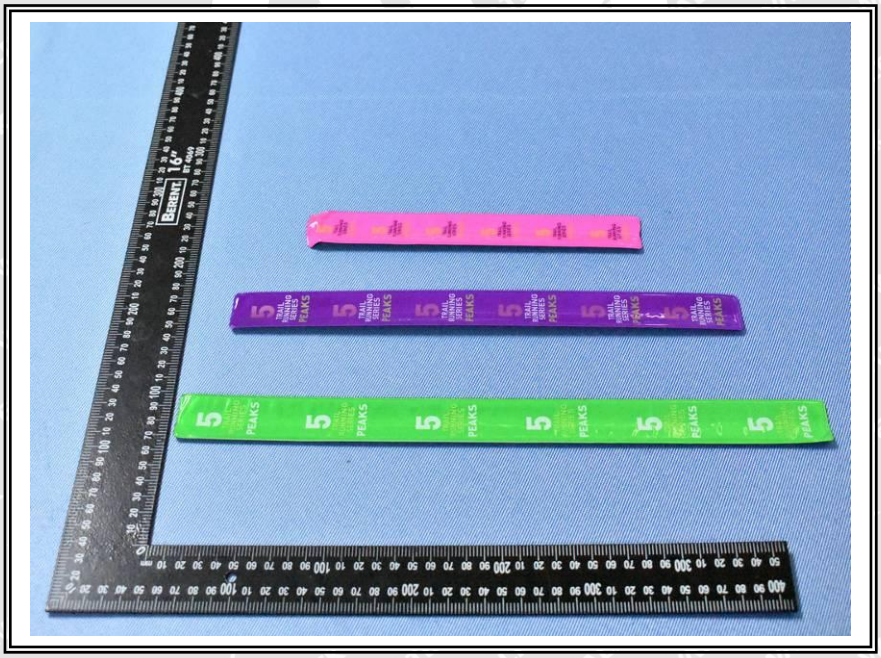
Sample photo:




FlightFlash
travel agency
Name:


Sticky screen cleaner
Car Wash
with dedication
QBank
savings


RUNNING
RUNNING
RUNNING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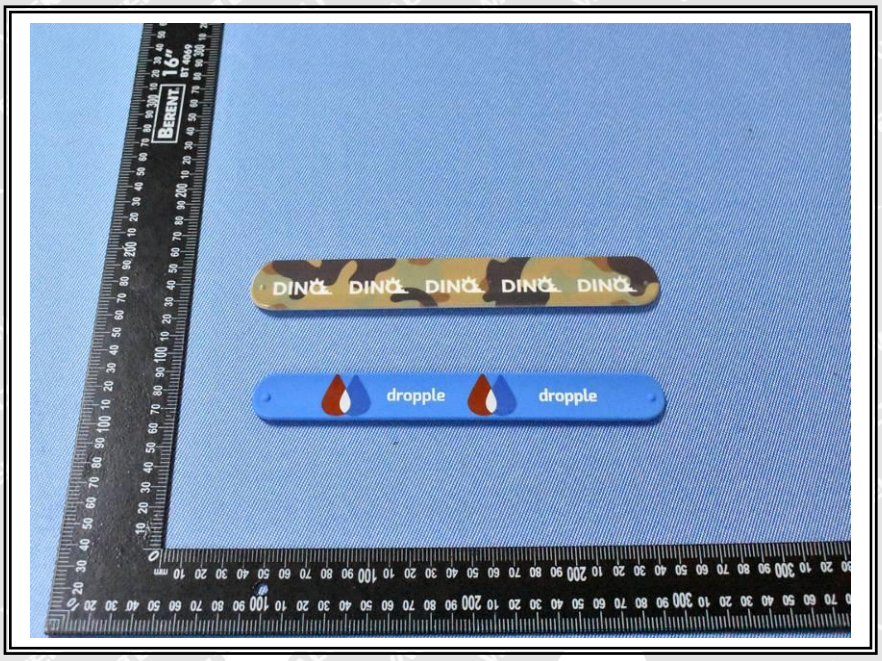
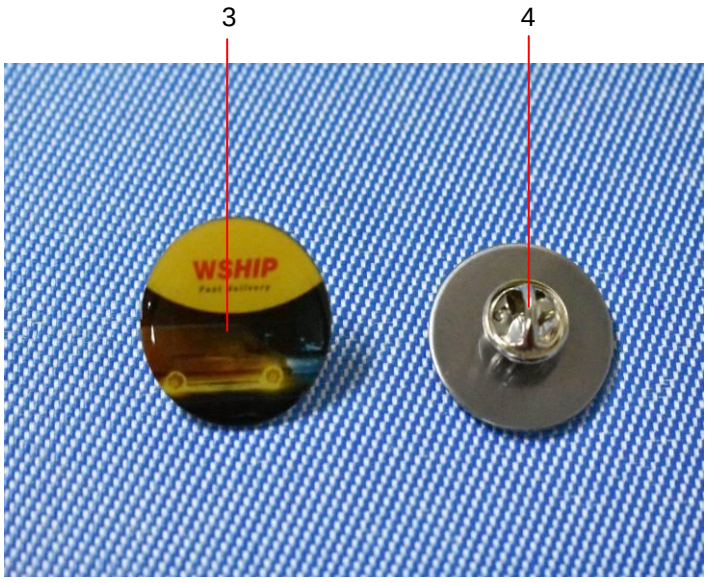
PEAKS



Photographs of parts tested: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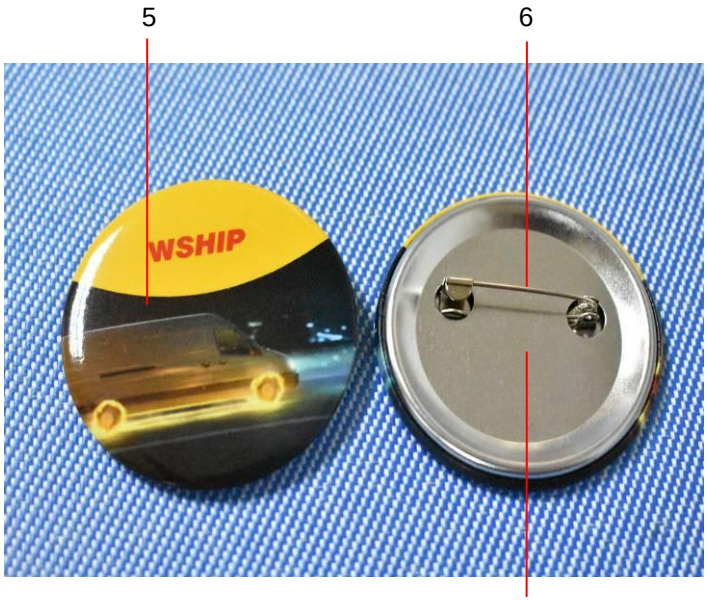
4
WSHIP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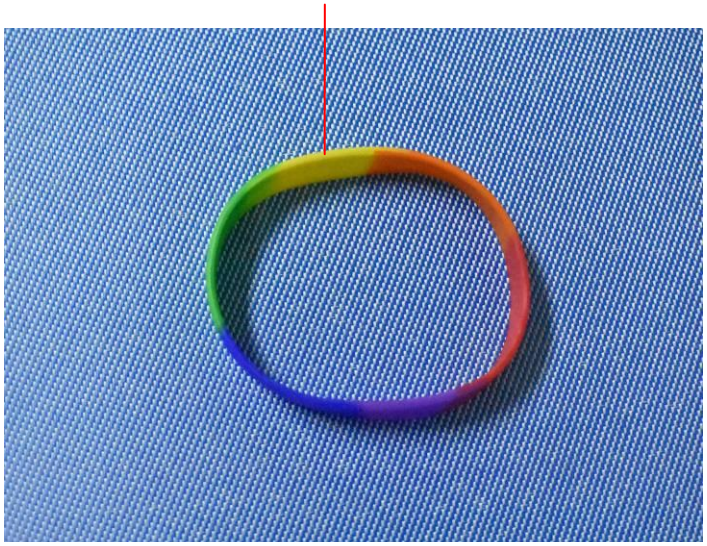
6
7
WSHIP

8



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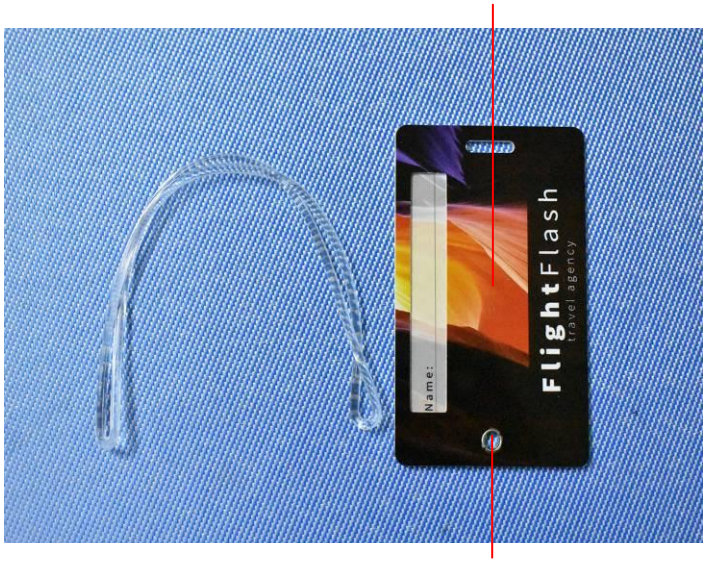

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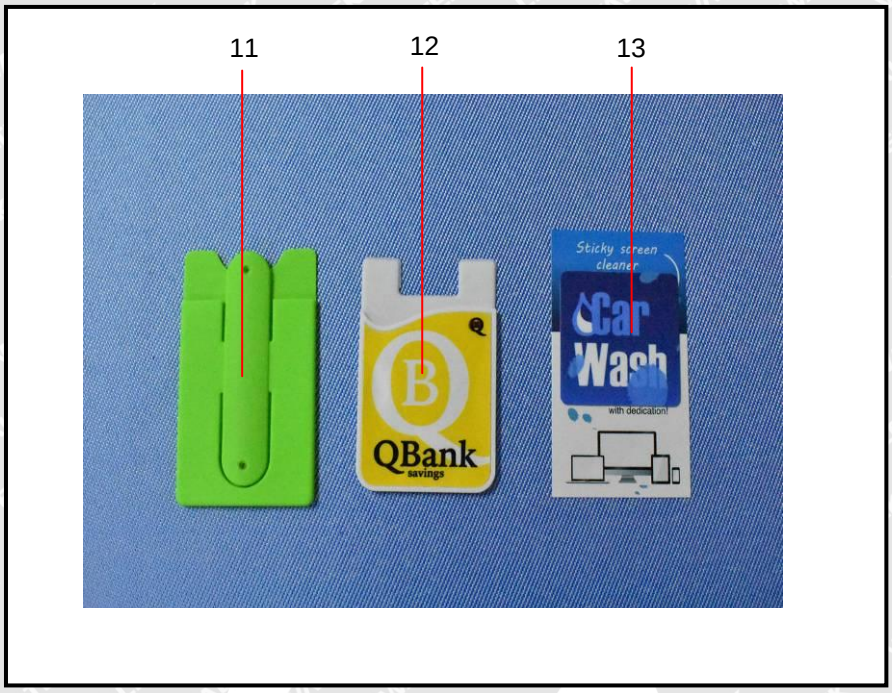
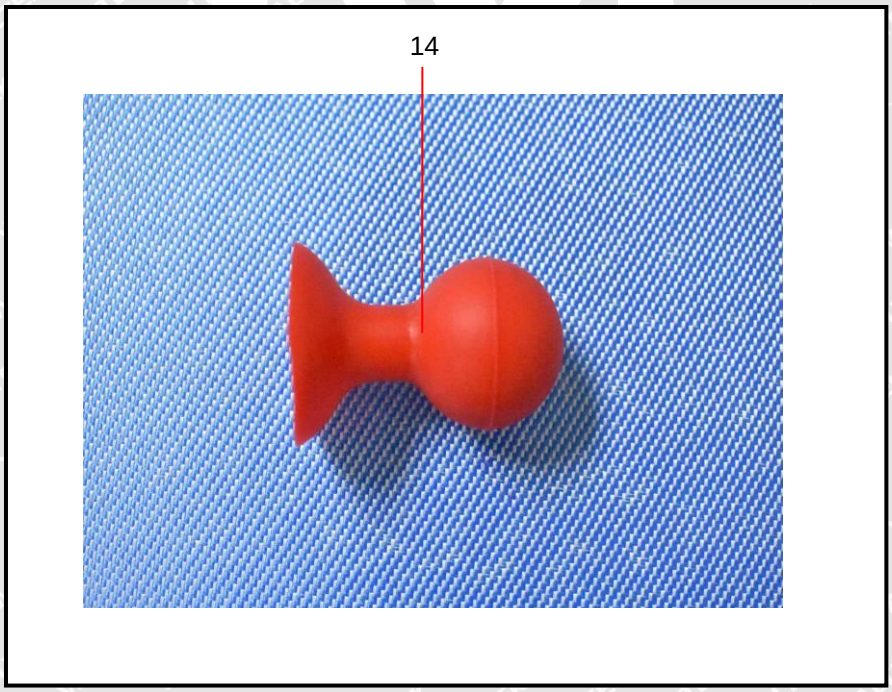

11
12
13
QBank
savings
Sticky screen cleaner
Car Wash
with dedication!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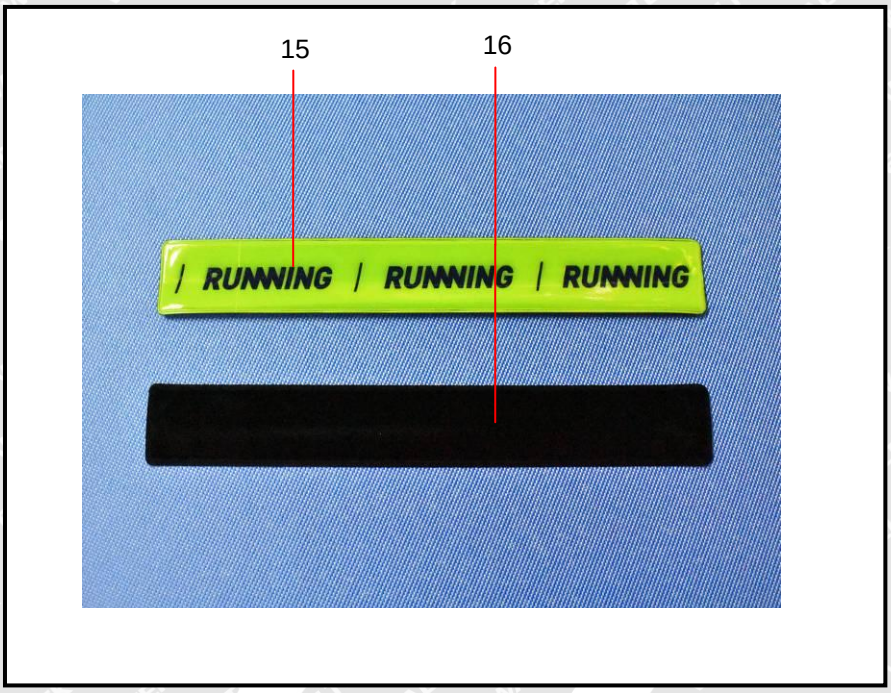

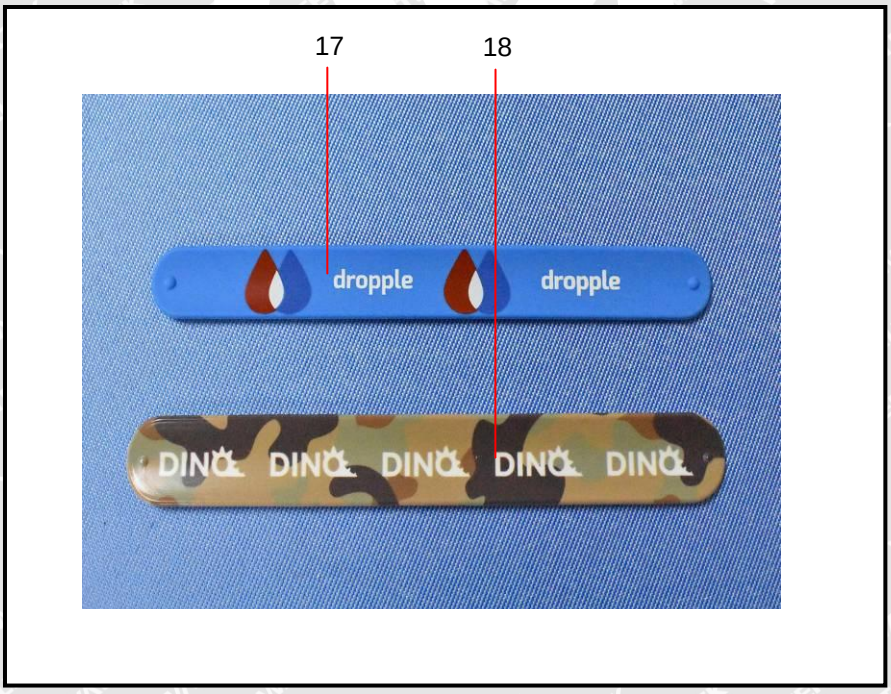

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