中国认可
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检测
TESTING
CNAS L6478

TEST REPORT

Reference No.	:	WTF20F09071176C
Applicant	:	Mid Ocean Brands B.V.
Address	:	7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong
Manufacturer	:	111281
Sample Name	:	anti-bacterial USB with recycled plastics case
Model No.	:	MO1204
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	:	2020-09-28
Date of Test	:	2020-09-28 to 2020-10-10
Date of Issue	:	2020-10-10
Test Result	:	Please refer to next page (s)
Note	:	As specified by client, only test the designated sample.

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 compiler and approver.
If the report is not stamped with the accreditation recognized seal, it will only be used for scientific research, education, and internal quality control activities, and is not used for the purpose of issuing supporting data to the society.

Prepared By:
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Compiled by: Rena.Chen
Rena.Chen / Project Engineer

Approved by: Swing Liang
Swing.Liang / Technical Manager

Test Result:

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^2)	Volume of Test Solution(ml)	Nickel release (μg/cm²/week)				Conclusion
			Trial 1	Trial 2	Trial 3	Average	
No.1	30.21	30	ND	ND	ND	ND	**Pass**

Note:

(1) μg/cm²/week = microgram per square centimetre per week

(2) Limit of quantitation = 0.05 μg/cm^2/week

(3) ND = Not detected or less than the value of Limit of quantitation

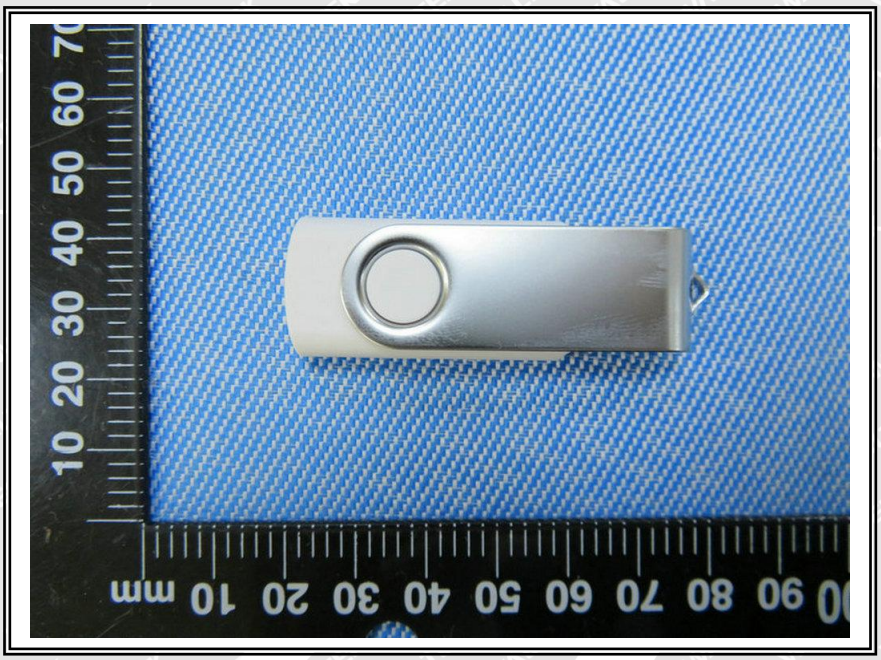
(4) Interpretation of test results:

Type of sample	Nickel Release(μg/cm²/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

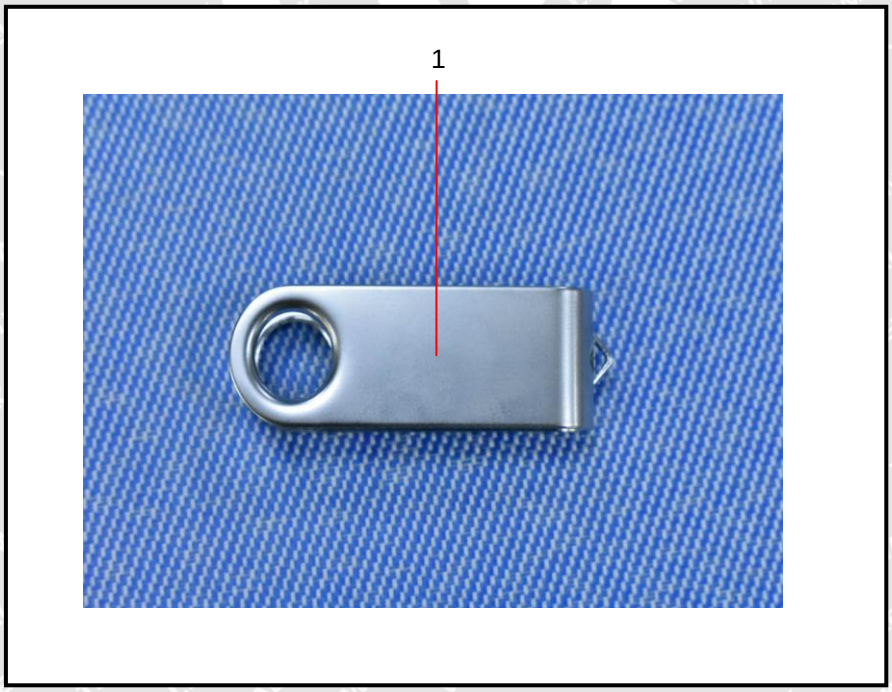
Test Specimen Description:

No.1: Silvery metal shell

Sample photo:



Photographs of parts tested:



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

Test Report

Applicant	:	MID OCEAN BRANDS BV
Address	:	7/F, KINGS TOWER, 111 KING LAM STREET, CHEUNG SHA WAN,KOWLOON HK
Manufacturer	:	MID OCEAN BRANDS BV
Address	:	7/F, KINGS TOWER, 111 KING LAM STREET, CHEUNG SHA WAN,KOWLOON HK
Sample Name	:	USB flash drive
Sample Model	:	MO1013-01/03/MO1091-01/03/MO1001-03/04/05/06/07/08/10/12/21/37/38/48/MO1301-03/04/05/06/07/08/10/12/21/37/38/48/MO1201-01/13/MO1306-29/31/24/23/25/MO1106-29/31/24/23/25/MO9871-13/MO1204-16/MO1020-03/06/MO1007-16/MO1055-13/01/MO1014-16/03/MO1008-25/23/16/MO1202-40/MO6001-03/04/05/06/48/10/12/MO6004-03/04/05/06/48/10/12/MO1109-06/03/04/48/10/05/MO1203-40/MO1093-03/04/05/06/MO1PV1/PV2/PV3/PV4/PV5
Received Date	:	September 13, 2021; September 29, 2021
Testing Period	:	September 13, 2021 ~ September 22, 2021 September 29, 2021 ~ October 11, 2021
Test Requested	:	As specified by client, with reference to (EU) 2018/2005 amending Annex XVII of Reach Regulation (EC) No1907/2006 to determine the Bis (2-ethylhexyl) phthalate (DEHP), Dibutyl phthalate (DBP), Benzyl butyl phthalate (BBP) and Diisobutyl Phthalate(DIBP) content in the submitted sample. As specified by client, with reference to Entry 52 of Regulation (EC) No 552/2009 amending Annex XVII of Reach Regulation (EC) No1907/2006 to determine the Diisononyl phthalate (DINP), Diisodecyl phthalate (DIDP) and Di-n-octyl phthalate (DNOP) content in the submitted sample.
Test Method	:	With reference to US EPA 3550C:2007 & US EPA 8270E:2018, analysis was performed by GC-MS.
Test Results	:	Please refer to next page(s).

CCIC (Shenzhen) Environmental Service Co., Ltd.

Completed by:	Reviewed by:	Approved by:
Qiumei.Chen	Andy.Zhou	Renyou.Yang

1. Test Results:

Test Items	CAS No.	Limit	MDL	Results		
				7+8+9	10+11+12	13+14+15
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	-	0.005%	ND	ND	ND
Dibutyl phthalate (DBP)	84-74-2	-	0.005%	ND	ND	ND
Benzyl butyl phthalate (BBP)	85-68-7	-	0.005%	ND	ND	ND
Diisobutyl Phthalate (DIBP)	84-69-5	-	0.005%	ND	ND	ND
Sum (DEHP, DBP, BBP, DIBP)	-	0.1%	-	ND	ND	ND
Diisononyl phthalate (DINP)	28553-12-0 &68515-48-0	-	0.005%	ND	ND	ND
Diisodecyl phthalate (DIDP)	26761-40-0 &68515-49-1	-	0.005%	ND	ND	ND
Di-n-octyl phthalate (DNOP)	117-84-0	-	0.005%	ND	ND	ND
Sum (DINP, DIDP, DNOP)	-	0.1%	-	ND	ND	ND
Conclusion	—	—	—	Pass	Pass	Pass

Test Items	CAS No.	Limit	MDL	Results		
				16+17+18	19+20+21	22+23+24
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	-	0.005%	ND	ND	ND
Dibutyl phthalate (DBP)	84-74-2	-	0.005%	ND	ND	ND
Benzyl butyl phthalate (BBP)	85-68-7	-	0.005%	ND	ND	ND
Diisobutyl Phthalate (DIBP)	84-69-5	-	0.005%	ND	ND	ND
Sum (DEHP, DBP, BBP, DIBP)	-	0.1%	-	ND	ND	ND
Diisononyl phthalate (DINP)	28553-12-0 &68515-48-0	-	0.005%	ND	ND	ND
Diisodecyl phthalate (DIDP)	26761-40-0 &68515-49-1	-	0.005%	ND	ND	ND
Di-n-octyl phthalate (DNOP)	117-84-0	-	0.005%	ND	ND	ND
Sum (DINP, DIDP, DNOP)	-	0.1%	-	ND	ND	ND
Conclusion	—	—	—	Pass	Pass	Pass

Test Items	CAS No.	Limit	MDL	Results		
				25+26+27	28+29+30	31+32+33
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	-	0.005%	ND	ND	ND
Dibutyl phthalate (DBP)	84-74-2	-	0.005%	ND	ND	ND
Benzyl butyl phthalate (BBP)	85-68-7	-	0.005%	ND	ND	ND
Diisobutyl Phthalate (DIBP)	84-69-5	-	0.005%	ND	ND	ND
Sum (DEHP, DBP, BBP, DIBP)	-	0.1%	-	ND	ND	ND
Diisononyl phthalate (DINP)	28553-12-0 &68515-48-0	-	0.005%	ND	ND	ND
Diisodecyl phthalate (DIDP)	26761-40-0 &68515-49-1	-	0.005%	ND	ND	ND
Di-n-octyl phthalate (DNOP)	117-84-0	-	0.005%	ND	ND	ND
Sum (DINP, DIDP, DNOP)	-	0.1%	-	ND	ND	ND
Conclusion	—	—	—	Pass	Pass	Pass

Test Items	CAS No.	Limit	MDL	Results		
				34+35+36	37+38+39	40+41+42
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	-	0.005%	ND	ND	ND
Dibutyl phthalate (DBP)	84-74-2	-	0.005%	ND	ND	ND
Benzyl butyl phthalate (BBP)	85-68-7	-	0.005%	ND	ND	ND
Diisobutyl Phthalate (DIBP)	84-69-5	-	0.005%	ND	ND	ND
Sum (DEHP, DBP, BBP, DIBP)	-	0.1%	-	ND	ND	ND
Diisononyl phthalate (DINP)	28553-12-0 &68515-48-0	-	0.005%	ND	ND	ND
Diisodecyl phthalate (DIDP)	26761-40-0 &68515-49-1	-	0.005%	ND	ND	ND
Di-n-octyl phthalate (DNOP)	117-84-0	-	0.005%	ND	ND	ND
Sum (DINP, DIDP, DNOP)	-	0.1%	-	ND	ND	ND
Conclusion	—	—	—	Pass	Pass	Pass

Test Items	CAS No.	Limit	MDL	Results		
				43+44+45	46+47+48	49+50+51
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	-	0.005%	ND	ND	ND
Dibutyl phthalate (DBP)	84-74-2	-	0.005%	ND	ND	ND
Benzyl butyl phthalate (BBP)	85-68-7	-	0.005%	ND	ND	ND
Diisobutyl Phthalate (DIBP)	84-69-5	-	0.005%	ND	ND	ND
Sum (DEHP, DBP, BBP, DIBP)	-	0.1%	-	ND	ND	ND
Diisononyl phthalate (DINP)	28553-12-0 &68515-48-0	-	0.005%	ND	ND	ND
Diisodecyl phthalate (DIDP)	26761-40-0 &68515-49-1	-	0.005%	ND	ND	ND
Di-n-octyl phthalate (DNOP)	117-84-0	-	0.005%	ND	ND	ND
Sum (DINP, DIDP, DNOP)	-	0.1%	-	ND	ND	ND
Conclusion	—	—	—	Pass	Pass	Pass

Test Items	CAS No.	Limit	MDL	Results		
				52+53+54	55+56+57	58+59+60
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	-	0.005%	0.0065%	ND	0.0334%
Dibutyl phthalate (DBP)	84-74-2	-	0.005%	ND	ND	ND
Benzyl butyl phthalate (BBP)	85-68-7	-	0.005%	ND	ND	ND
Diisobutyl Phthalate (DIBP)	84-69-5	-	0.005%	ND	ND	ND
Sum (DEHP, DBP, BBP, DIBP)	-	0.1%	-	0.0065%	ND	0.0334%
Diisononyl phthalate (DINP)	28553-12-0 &68515-48-0	-	0.005%	ND	ND	ND
Diisodecyl phthalate (DIDP)	26761-40-0 &68515-49-1	-	0.005%	ND	ND	ND
Di-n-octyl phthalate (DNOP)	117-84-0	-	0.005%	ND	ND	ND
Sum (DINP, DIDP, DNOP)	-	0.1%	-	ND	ND	ND
Conclusion	—	—	—	Pass	Pass	Pass

Test Items	CAS No.	Limit	MDL	Results
				61+62+63
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	-	0.005%	ND
Dibutyl phthalate (DBP)	84-74-2	-	0.005%	ND
Benzyl butyl phthalate (BBP)	85-68-7	-	0.005%	ND
Diisobutyl Phthalate (DIBP)	84-69-5	-	0.005%	ND
Sum (DEHP, DBP, BBP, DIBP)	-	0.1%	-	ND
Diisononyl phthalate (DINP)	28553-12-0 &68515-48-0	-	0.005%	ND
Diisodecyl phthalate (DIDP)	26761-40-0 &68515-49-1	-	0.005%	ND
Di-n-octyl phthalate (DNOP)	117-84-0	-	0.005%	ND
Sum (DINP, DIDP, DNOP)	-	0.1%	-	ND
Conclusion	—	—	—	Pass

Note:

1. Unit: % = weight by percent
2. ND = Not Detected (<MDL)
3. MDL = Method Detection Limit
4. "—"=Not regulated

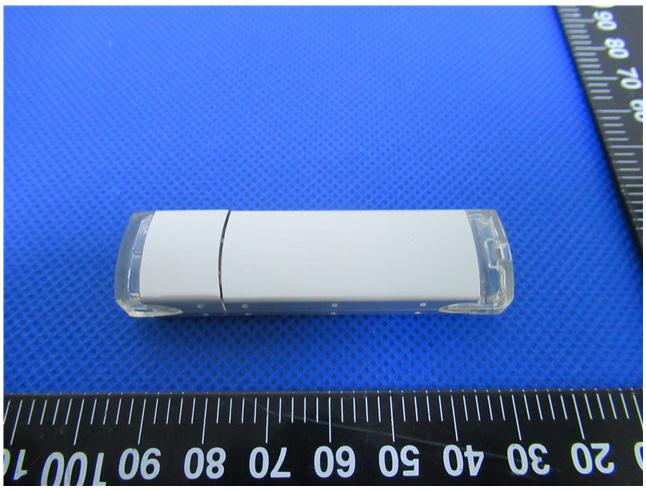
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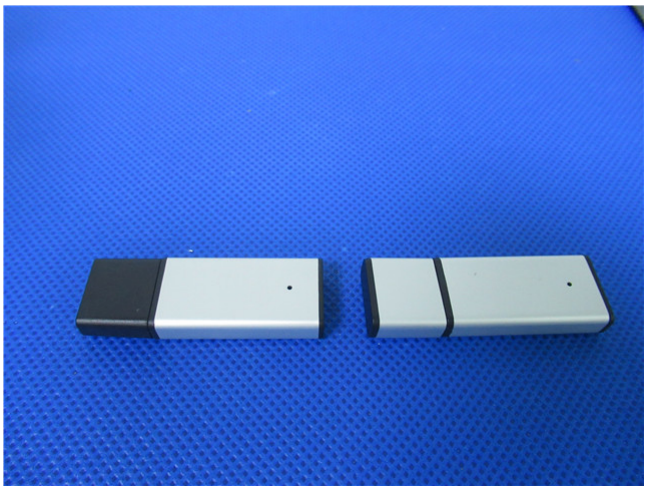
7	Purple plastic
8	Black plastic
9	Deep blue plastic
10	Red plastic
11	White plastic
12	Gray plastic
13	Yellow plastic
14	Orange plastic
15	Blue plastic
16	Deep blue plastic
17	Pink plastic
18	Green plastic
19	Transparent blue plastic

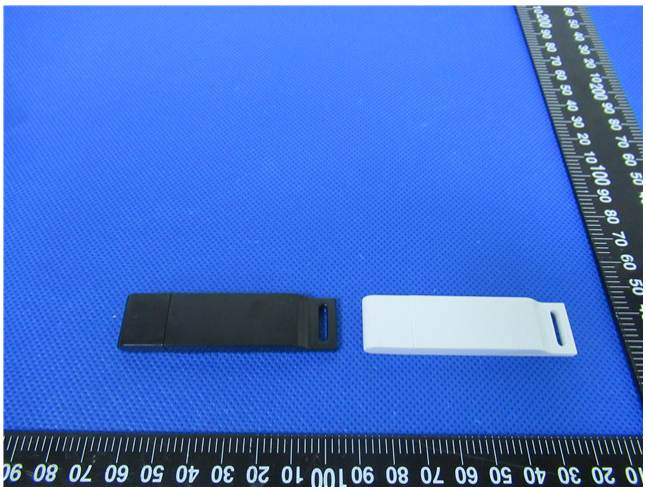
20	Transparent green plastic
21	Transparent red plastic
22	Transparent orange plastic
23	Transparent purple plastic
24	Dull white plastic
25	White plastic
26	White plastic
27	Black plastic
28	White plastic
29	Transparent plastic
30	Black plastic
31	Transparent plastic
32	Transparent blue plastic
33	Transparent red plastic
34	Black plastic
35	Deep blue plastic
36	Red plastic
37	White plastic
38	Orange plastic
39	Blue plastic
40	Green plastic
41	Deep blue plastic
42	Coffee leather
43	Black plastic
44	Deep blue plastic
45	Red plastic
46	White plastic
47	Orange plastic
48	Green plastic
49	Black soft plastic
50	Deep blue soft plastic
51	Red soft plastic
52	White soft plastic
53	White soft plastic
54	Black plastic
55	Deep blue soft plastic

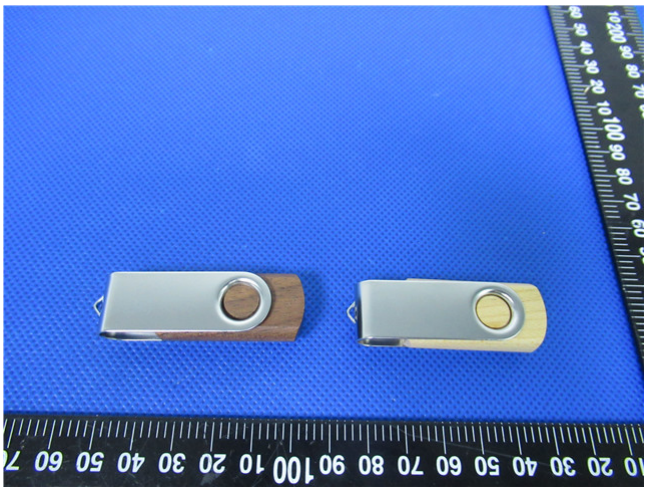
56	Green soft plastic
57	White plastic
58	Black plastic
59	White plastic
60	Black soft plastic
61	White soft plastic
62	White soft plastic
63	White soft plastic

3. Appendix:



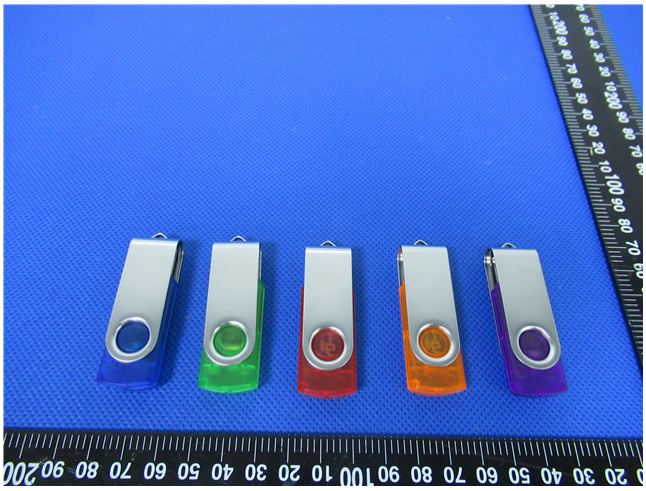


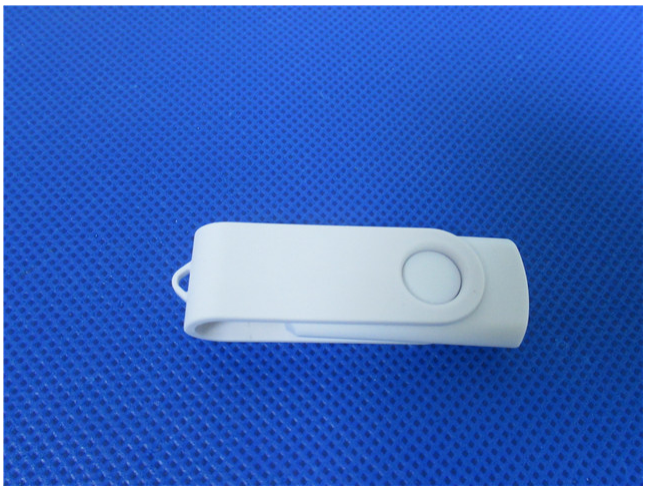














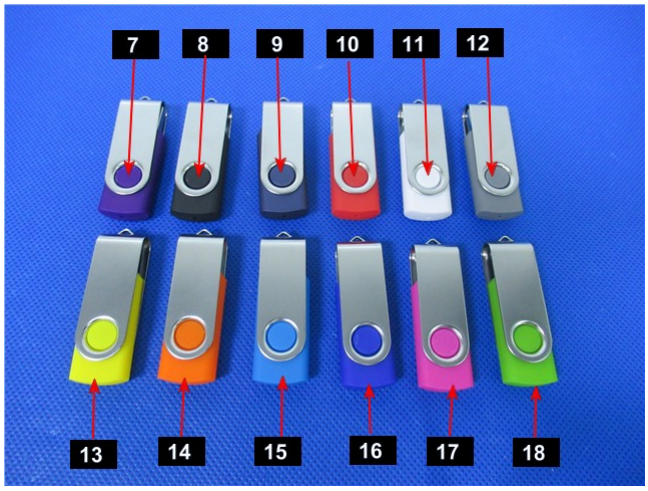




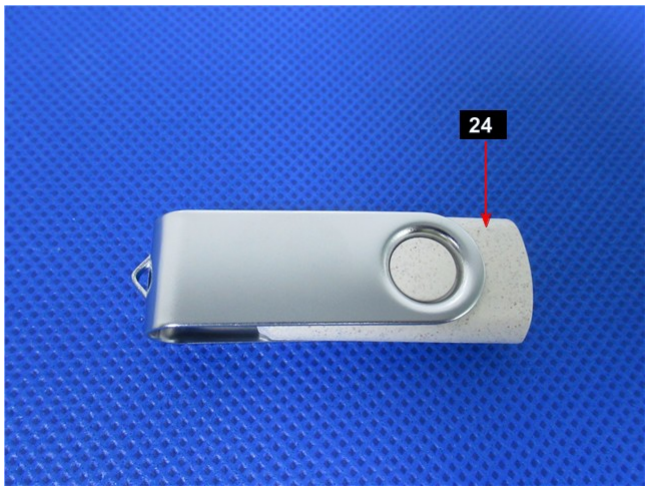


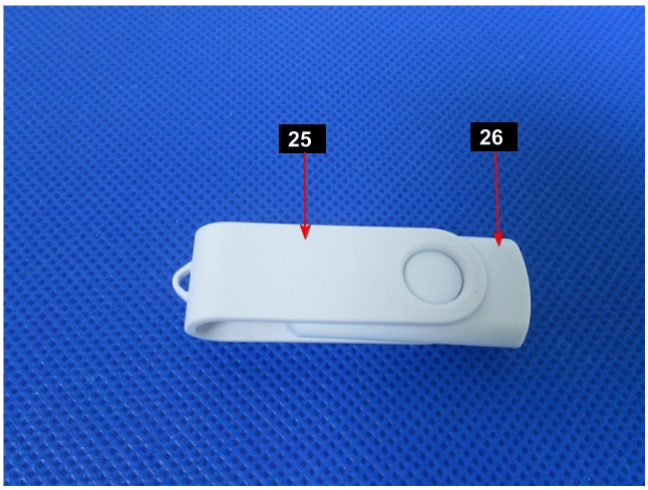
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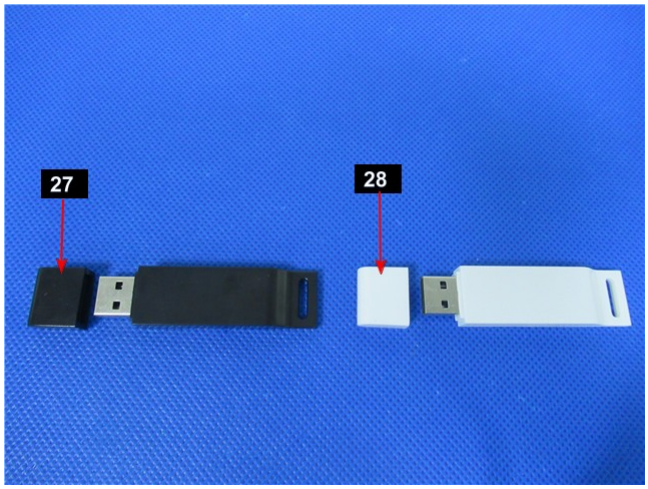


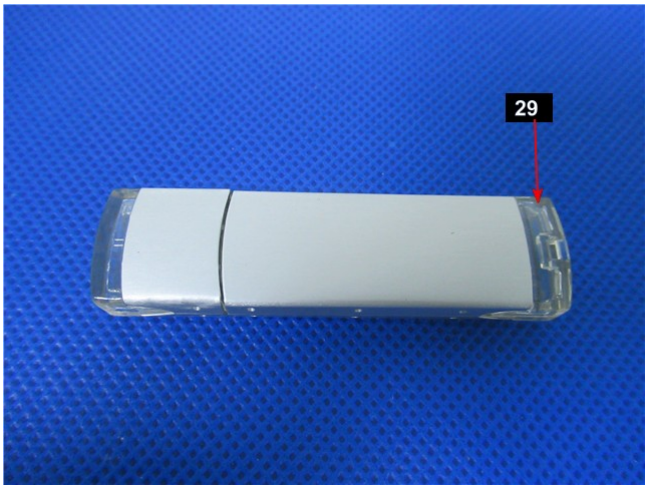

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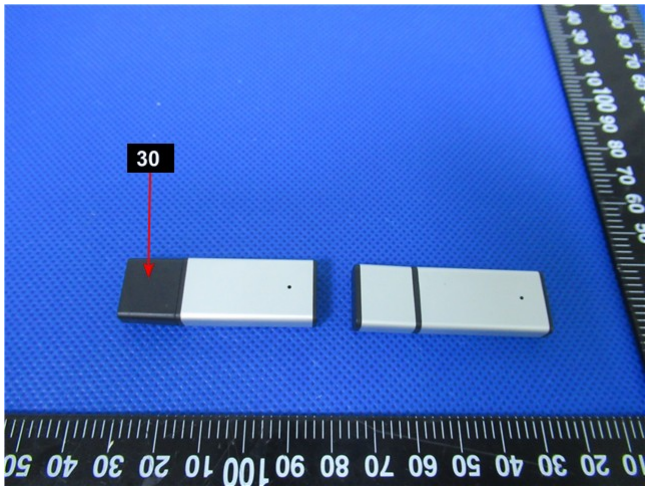

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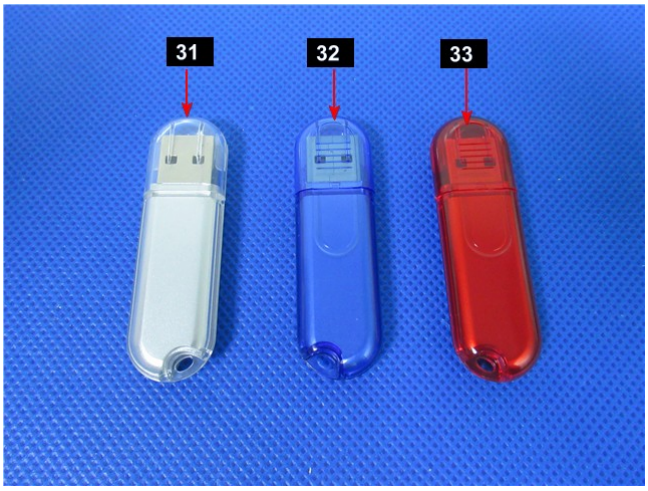

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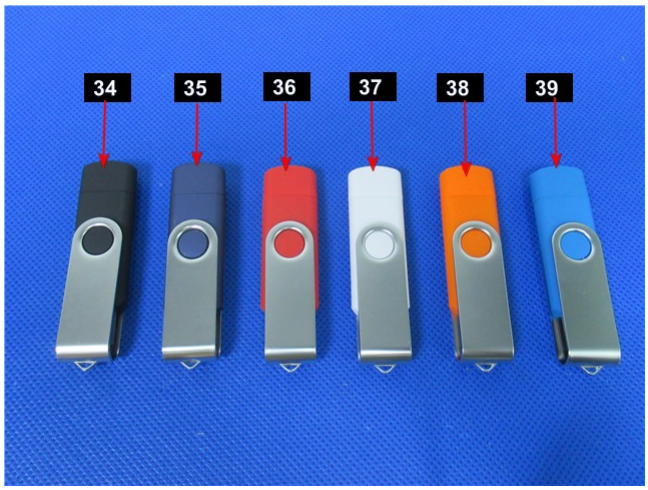

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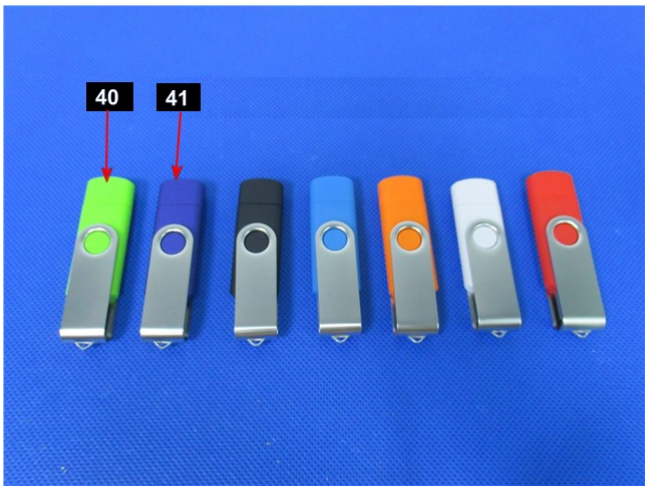

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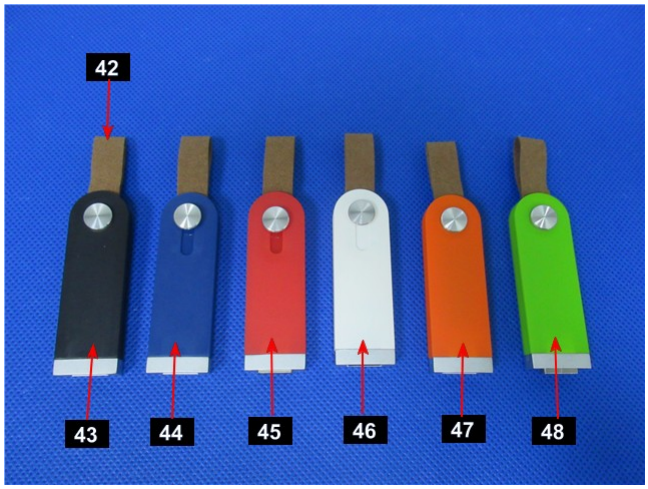

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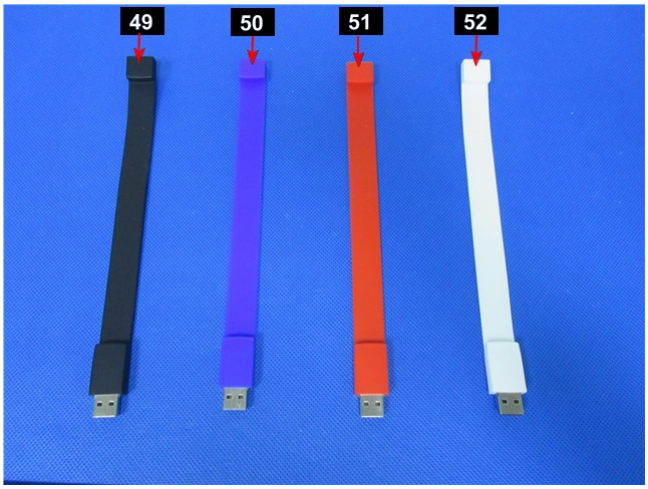

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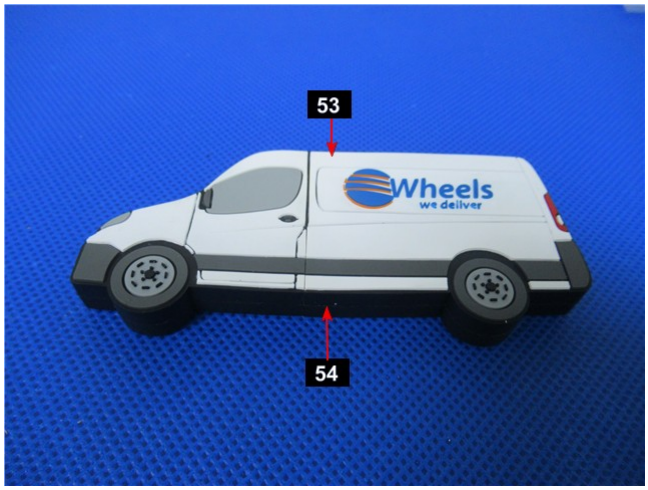

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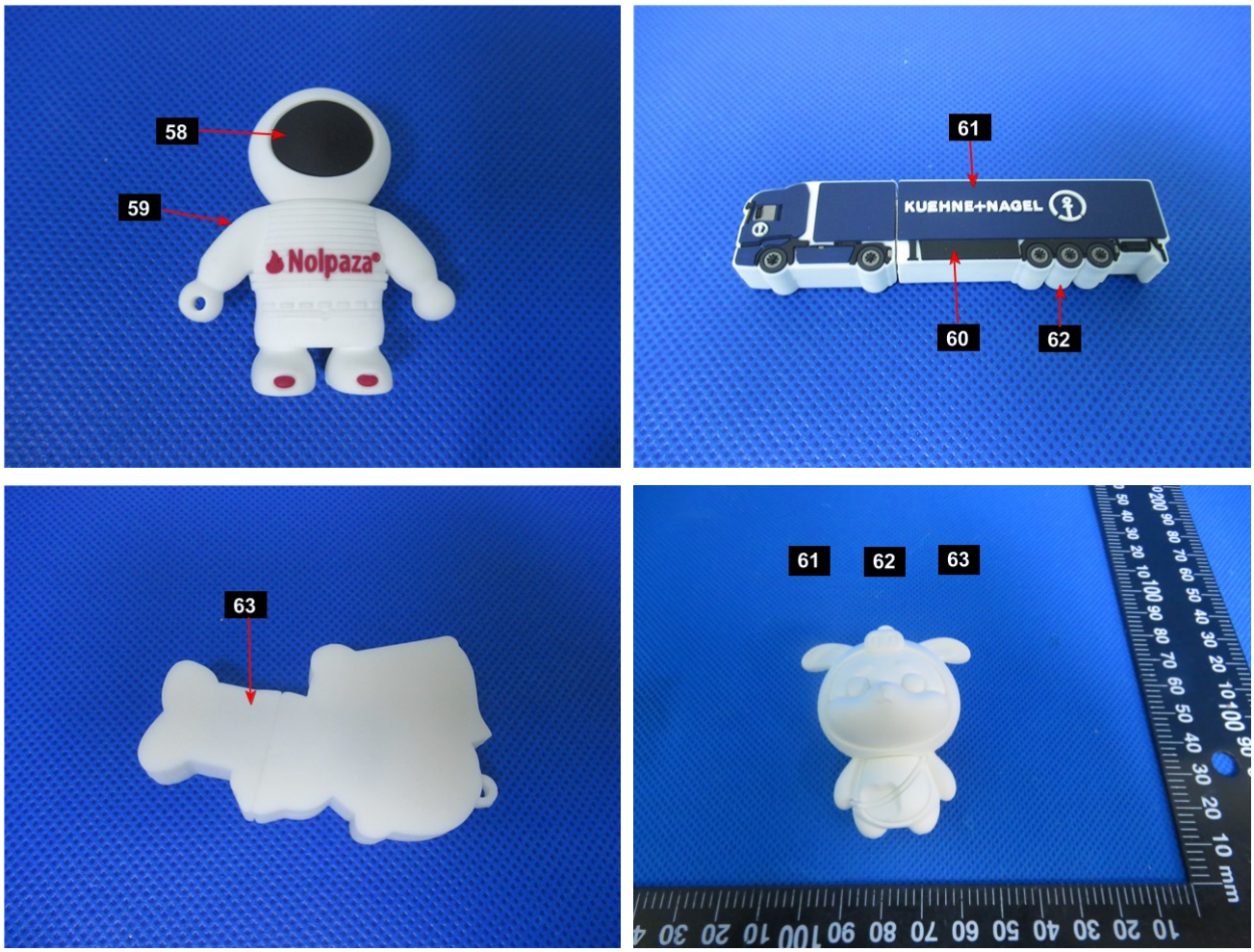

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*****End of Report*****