



TEST REPORT

Supersede Previous Report, Report Number 1002019685

BTL Diffusion

16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002002220R001

Date: Aug.15, 2023

SAMPLE DESCRIPTION : Cloudbox,Cloudbox - EN/FR,Cloudbox - EN/SP,Cloudbox - EN/IT, Cloudbox - EN/DE,Cloudbox - EN / PL,Cloudbox - EN / CHN, Cloudbox - EN / HEB,Cloudbox - EN / NL,Cloudbox – Scand, Cloudbox - EN/AR,Cloudbox - Multilanguage

STYLE NO. : 8001,8001-FR,8001-SP / DU-8001-SP,8001-IT,8001-DE,8001-PL, 8001-ZH,8001-HE,8001-NL,8001-Scand,8001-AR,8001-ML

PO NO. : Not Provided

AGE GRADE : 0+

COLOUR : Not Provided

APPLICANT : BTL Diffusion

MANUFACTURER : Not Provided

BUYER : Not Provided

COUNTRY OF ORIGIN : China

EXPORTED TO : Not Provided

TESTING LOCATION : UL VS Shanghai Limited Shenzhen Branch

DATE RECEIVED SAMPLES : Jul 24, 2023 & Jul 26, 2023

DATE OF TEST : Jul 24, 2023 – Jul 31, 2023

RESULTS : Please refer to the following page(s)

CONCLUSION:

- | | |
|--|-------|
| 1. Migration of Certain Elements content in the submitted sample(s) in accordance with European Standard on Safety of Toys EN 71-3:2019+A1:2021. | Pass# |
| 2. Migration of Certain Elements content in the submitted sample(s) in accordance with British Standard on Safety of Toys BS EN 71-3:2019+A1:2021. | Pass# |
| 3. Heavy Elements content in the submitted sample(s) in accordance with ASTM F963-17 (Clause 4.3.5) Standard Consumer Safety Specification for Toy Safety. | Pass# |
| 4. Soluble Elements content in the submitted sample(s) in accordance with Australian/New Zealand Standard on Safety of Toys AS/NZS 8124.3:2021. | Pass# |
| 5. Toxicological Hazards content in the submitted sample(s) in accordance with Canada Consumer Product Safety Act : Toys Regulations (SOR/2011-17 and amendment SOR/2016-195 & SOR/2016-302) | Pass# |
| 6. Lead content in the submitted sample(s) in accordance with Consumer Product Safety Improvement Act of 2008(H.R. 4040) & H.R.2715 amendment Title 1 section 101- Children’s products containing lead; lead paint rule. | Pass# |
| 7. Lead content in the submitted sample(s) in accordance with California “Proposition 65”. | Pass# |
| 8. Total Lead content in the submitted sample(s) in accordance with Canada Consumer Product Safety Act : Consumer Products Containing Lead Regulations SOR/2018-83. | Pass# |
| 9. Total Lead content in the submitted sample(s) in accordance with Canada Surface coating materials regulations (SOR/2016-193& SOR/2022-122). | Pass# |
| 10. Total Lead content in the submitted sample(s) in accordance with 16 CFR 1303. | Pass# |
| 11. the Mercury content in the submitted sample(s) in accordance with Canadian Environmental Protection Act : Products Containing Mercury Regulations SOR/2014-254. | Pass# |
| 12. PAHs content in the submitted sample(s) in accordance with Item 50 of Annex XVII of REACH Regulation (EC) 1907/2006 & amendment (EU) No 1272/2013. | Pass# |

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CONCLUSION:

- | | |
|---|----------------|
| 13. Short Chain Chlorinated Paraffin Content in the submitted sample(s) in accordance with the Persistent Organic Pollutants (POPs) Regulation (EU) 2019/1021. | Pass# |
| 14. Specific Migration of Bisphenol A (BPA) in the submitted sample(s) in accordance with Directive 2009/48/EC and its amendment Directive (EU) 2017/898. | Pass# |
| 15. Specific Migration of Phenol content in the submitted sample(s) in accordance with Directive 2009/48/EC and its amendment Directive (EU) 2017/774. | Pass# |
| 16. DEHP、DBP、BBP、DINP、DIBP、DPENP、DHEXP and DCHP content in the submitted sample(s) in accordance with Consumer Product Safety Improvement Act of 2008(H.R. 4040) & H.R.2715 amendment &16 CFR Part 1307-Prohibition of Children Toys and Child Care Articles Containing Specified Phthalates. | Pass# |
| 17. DBP、BBP、DEHP、DIDP、DNHP and DINP content in the submitted sample(s) in accordance with California "Proposition 65". | Pass# |
| 18. DEHP、DBP、BBP、DIBP、DINP、DIDP and DNOP content In the submitted sample(s) in accordance with Item 51&52 of Annex XVII of REACH Regulation (EC) 1907/2006. | Pass# |
| 19. DEHP、DBP、BBP、DINP、DIDP and DNOP content in the submitted sample(s) in accordance with Canada Consumer Product Safety Act : Phthalates Regulations (SOR/2016-188). | Not Applicable |
| 20. DEHP content in the submitted sample(s) in accordance with Australia Competition and Consumer Act 2010 in children's products - Consumer Protection Notice No. 11 of 2011. | Pass# |
| 21. Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr6+), Polybrominated Biphenyls(PBBs) & Polybrominated Diphenyl Ethers(PBDEs) content in the submitted sample(s) in accordance with Directive 2011/65/EU (RoHS) & its amendment Directive (EU) 2015/863. | Pass# |
| 22. Dibutyl Phthalate (DBP), Benzylbutyl Phthalate (BBP), Bis-(2-ethylhexyl)Phthalate (DEHP) and Diisobutyl Phthalate (DIBP) content in the submitted sample(s) in accordance with Directive 2011/65/EU (RoHS) & its amendment Directive (EU) 2015/863. | Pass# |
| 23. TCEP, TCPP, TDCP content in the submitted sample(s) in accordance with Directive (EU) 2009/48/EC & its amendment Directive 2014/79/EU. | Pass# |
| 24. Phthalates content in the submitted sample(s). | Pass# |
| 25. Organic tin content in the submitted sample(s) in accordance with Item 20 of Annex XVII of REACH Regulation (EC) 1907/2006. | Pass# |
| 26. Lead(Pb) 、Cadmium(Cd) 、Mercury(Hg) 、Hexavalent Chromium(Cr6+) content in the submitted sample(s) in accordance with Directive 94/62/EC and its amendment. | Pass# |
| 27. Lead(Pb) 、Cadmium(Cd) 、Mercury(Hg) 、Hexavalent Chromium(Cr6+) content in the submitted sample(s) in accordance with Toxics in Packaging Clearinghouse (TPCH). | Pass# |

#: The test was performed at UL approved subcontract lab.

- Notes: 1. The results relate only to the items tested.
 2. As per client' requested, Age grade and country of origin information were revised.

For and on behalf of

UL VS Shanghai Limited Shenzhen Branch



Eric Wu - Laboratory Manager
(Hardlines Department)

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Report No.: 1002002220R001
Date: Aug.15, 2023

TEST RESULTS

Specimen Description:

No.	Test part(s) name
1	Transparent plastic, shell
2	Grey green soft plastic, buttons
3	Apricot plastic, body
4	Apricot soft plastic, rotary knob
5	White soft plastic, cable jacket
6	White soft plastic, USB cover
7	White plastic, USB
8	Multi-color coating, cover
9	White paper, cover
10	Multi-color printed white paper, page
11	Transparent dry glue, book
12	Green coating, pattern
13	Orange coating, pattern
14	Blue coating, pattern
15	Red coating, pattern
16	Brown coating, pattern
17	Black grey coating, pattern
18	Silvery metal, USB-A plug
19	Silvery metal, USB Type-c plug
20	Silvery metal pin, USB-A plug (Inner)
21	Black plastic, USB Type-c plug & socket (Inner)
22	Red/white printed creamy PCB , USB Type-c plug (Inner)
23	Silvery metal sheet, USB Type-c plug (Inner)
24	Silvery metal pin, USB Type-c plug (Inner)
25	Silvery metal solder, USB Type-c plug (Inner)
26	Black soft plastic, Inside of USB cable (Inner)
27	Red soft plastic, Inside of USB cable (Inner)
28	Copper metal, Inside of USB cable (Inner)
29	Silvery metal, screw(inner)
30	Silvery metal, fixed screw(inner)
31	Black foam ring with adhesive(inner)
32	Black soft plastic, wire jacket(inner)
33	Red soft plastic, wire jacket(inner)
34	White soft plastic, wire jacket(inner)

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TEST RESULTS

No.	Test part(s) name
35	Grey soft plastic, wire jacket(inner)
36	Orange soft plastic, wire jacket(inner)
37	Green soft plastic, wire jacket(inner)
38	Blue soft plastic, wire jacket(inner)
39	Brown soft plastic, wire jacket(inner)
40	Pink soft plastic, wire jacket(inner)
41	Light purple soft plastic, wire jacket(inner)
42	Purple soft plastic, wire jacket(inner)
43	Dark purple soft plastic, wire jacket(inner)
44	Coppery metal, wire core(inner)
45	Translucent plastic, ribbon(inner)
46	Transparent dry glue(inner)
47	Black plastic, Button (Inner)
48	Silvery metal plate, button (Inner)
49	Silvery metal spring plate, button (Inner)
50	Silvery metal, pin & base of button (Inner)
51	Green/ white printed brown PCB, (Inner)
52	Green/ white printed translucent PCB, (inner)
53	Red metal, Color ring inductor (inner)
54	Golden metal, Color ring inductor (inner)
55	Black magnet ring with green coating, Color ring inductor (inner)
56	Black plastic, Button (Inner)
57	Silvery metal shell, button (Inner)
58	Silvery metal spring plate, button (Inner)
59	Silvery metal bead, button (Inner)
60	Silvery metal, pin & base of button (Inner)
61	Brown plastic, button (Inner)
62	Green/ white printed beige PCB, (inner)
63	Silvery metal, screw of slide hammer(inner)
64	White plastic, gasket of slide hammer(inner)
65	Black plastic, shell of slide hammer(inner)
66	Silvery metal, slide hammer(inner)
67	Coppery metal, slide hammer(inner)
68	metal, slide hammer(inner)

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No.	Test part(s) name
69	Red plastic, slide hammer(inner)
70	Dark green PCB board, slide hammer(inner)
71	Silvery metal, spring of hammer(inner)
72	Silvery metal, fixed sheet of hammer(inner)
73	metal, rivet of slide hammer(inner)
74	White dry glue, PCB(inner)
75	Silvery metal, gasket screw(inner)
76	Black material with pin , small chip IC(Inner)
77	Black material with pin , big chip IC(Inner)
78	White printed black material with pin, big Chip resistor (Inner)
79	Multi-color body, glass LED(inner)
80	Black material with pin , audion
81	Brown material with pin, big Chip capacitor (Inner)
82	Brown material with pin, small Chip capacitor (Inner)
83	White plastic, connector(inner)
84	Silvery metal pin, connector(inner)
85	Silvery metal cover(inner)
86	Golden printed black plastic sheet(inner)
87	Silvery metal spring(inner)
88	Silvery metal pin(inner)
89	Black grey plastic(inner)
90	White printed green plastic film, electrolytic capacitor(inner)
91	Black soft plastic, electrolytic capacitor(inner)
92	Silvery metal shell, electrolytic capacitor(inner)
93	Brown paper, electrolytic capacitor(inner)
94	Silvery grey metal foil , electrolytic capacitor(inner)
95	Grey metal foil , electrolytic capacitor(inner)
96	Silvery metal pin, electrolytic capacitor(inner)
97	Yellow body, LED(inner)
98	Black plastic, button (Inner)
99	Silvery metal shell, button (Inner)
100	Silvery metal plate, button (Inner)
101	Silvery metal spring plate, button (Inner)
102	Silvery metal wafer, button (Inner)

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No.	Test part(s) name
103	Silvery metal, pin & base of button (Inner)
104	Green plastic, button (Inner)
105	Green PCB, (Inner)
106	Silvery metal solder (Main PCB & recharge PCB) (Inner)
107	Silvery metal, microphone (Inner)
108	Green / white printed brown PCB, microphone (Inner)
109	Silvery metal sheet, microphone (Inner)
110	White plastic, microphone (Inner)
111	Translucent plastic, LED(Inner)
112	Black plastic, LED(Inner)
113	Silvery metal, LED(Inner)
114	Silvery metal , connector(inner)
115	Black grey plastic, connector(inner)
116	Golden metal , connector(inner)
117	Black paper, Speaker(Inner)
118	Yellow textile, Coil of speaker (Inner)
119	Coppery metal, Coil of speaker (Inner)
120	Creamy paper, Coil of speaker (Inner)
121	Silvery metal body, Speaker(Inner)
122	Silvery metal board, Speaker (Inner)
123	Silvery metal plate, Speaker (Inner)
124	Black metal magnet, Speaker (Inner)
125	White paper, Speaker (Inner)
126	Silvery metal nail, Speaker(Inner)
127	Black plastic, (Inner)
128	Silvery plastic film with adhesive(inner)
129	Black PCB board(inner)
130	Transparent plastic, LED(Inner)
131	Silvery metal, LED(Inner)
132	Nude coating(inner)
133	Clear laminated multi-color printed white/brown paperboard, box
134	White foam
135	Multi-color printed white paper, instruction book
136	Black printed white paper, instruction book
137	Silvery metal, instruction book

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TEST RESULTS

1. Migration of Certain Elements- EN 71-3:2019+A1:2021

Test Method: EN 71-3:2019+A1:2021

Test Instrument: Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)
Inductively Coupled Plasma Mass Spectrometer (ICP-MS)
Liquid Chromatography-Inductively Coupled Plasma Mass Spectrometer (LC-ICP-MS)

Test item(s)	Unit	MDL	Limit (mg/kg)			Result(s)	
			Category 1: dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	1	2
Aluminum (Al)	mg/kg	2	2250	560	28130	N.D.	N.D.
Antimony(Sb)	mg/kg	2	45	11.3	560	N.D.	N.D.
Arsenic(As)	mg/kg	0.5	3.8	0.9	47	N.D.	N.D.
Barium(Ba)	mg/kg	2	1500	375	18750	N.D.	N.D.
Boron(B)	mg/kg	2	1200	300	15000	N.D.	N.D.
Cadmium(Cd)	mg/kg	0.2	1.3	0.3	17	N.D.	N.D.
Chromium(Cr ³⁺)	mg/kg	2	37.5	9.4	460	N.D.	N.D.
Chromium(Cr ⁶⁺)	mg/kg	0.015	0.02	0.005	0.053	N.D.	N.D.
Cobalt (Co)	mg/kg	2	10.5	2.6	130	N.D.	N.D.
Copper (Cu)	mg/kg	2	622.5	156	7700	N.D.	N.D.
Lead (Pb)	mg/kg	0.2	2.0	0.5	23	N.D.	N.D.
Manganese (Mn)	mg/kg	2	1200	300	15000	N.D.	N.D.
Mercury (Hg)	mg/kg	1	7.5	1.9	94	N.D.	N.D.
Nickel (Ni)	mg/kg	2	75	18.8	930	N.D.	N.D.
Selenium (Se)	mg/kg	2	37.5	9.4	460	N.D.	N.D.
Strontium (Sr)	mg/kg	2	4500	1125	56000	N.D.	N.D.
Tin (Sn)	mg/kg	2	15000	3750	180000	N.D.	N.D.
Organic tin	mg/kg	0.2	0.9	0.2	12	N.D.	N.D.
Zinc (Zn)	mg/kg	2	3750	938	46000	N.D.	N.D.

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TEST RESULTS

Test item(s)	Unit	MDL	Limit (mg/kg)			Result(s)	
			Category 1:dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	3	4
Aluminum (Al)	mg/kg	2	2250	560	28130	N.D.	N.D.
Antimony(Sb)	mg/kg	2	45	11.3	560	N.D.	N.D.
Arsenic(As)	mg/kg	0.5	3.8	0.9	47	N.D.	N.D.
Barium(Ba)	mg/kg	2	1500	375	18750	N.D.	N.D.
Boron(B)	mg/kg	2	1200	300	15000	N.D.	N.D.
Cadmium(Cd)	mg/kg	0.2	1.3	0.3	17	N.D.	N.D.
Chromium(Cr ³⁺)	mg/kg	2	37.5	9.4	460	N.D.	N.D.
Chromium(Cr ⁶⁺)	mg/kg	0.015	0.02	0.005	0.053	N.D.	N.D.
Cobalt (Co)	mg/kg	2	10.5	2.6	130	N.D.	N.D.
Copper (Cu)	mg/kg	2	622.5	156	7700	N.D.	N.D.
Lead (Pb)	mg/kg	0.2	2.0	0.5	23	N.D.	N.D.
Manganese (Mn)	mg/kg	2	1200	300	15000	N.D.	N.D.
Mercury (Hg)	mg/kg	1	7.5	1.9	94	N.D.	N.D.
Nickel (Ni)	mg/kg	2	75	18.8	930	N.D.	N.D.
Selenium (Se)	mg/kg	2	37.5	9.4	460	N.D.	N.D.
Strontium (Sr)	mg/kg	2	4500	1125	56000	N.D.	N.D.
Tin (Sn)	mg/kg	2	15000	3750	180000	N.D.	N.D.
Organic tin	mg/kg	0.2	0.9	0.2	12	N.D.	N.D.
Zinc (Zn)	mg/kg	2	3750	938	46000	N.D.	N.D.

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SZ-FAF-001 (2023-06-08)



TEST REPORT

Supersede Previous Report, Report Number 1002019685

BTL Diffusion

16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002002220R001

Date: Aug.15, 2023

TEST RESULTS

Test item(s)	Unit	MDL	Limit (mg/kg)			Result(s)	
			Category 1:dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	5	6
Aluminum (Al)	mg/kg	2	2250	560	28130	N.D.	N.D.
Antimony(Sb)	mg/kg	2	45	11.3	560	N.D.	N.D.
Arsenic(As)	mg/kg	0.5	3.8	0.9	47	N.D.	N.D.
Barium(Ba)	mg/kg	2	1500	375	18750	N.D.	N.D.
Boron(B)	mg/kg	2	1200	300	15000	N.D.	N.D.
Cadmium(Cd)	mg/kg	0.2	1.3	0.3	17	N.D.	N.D.
Chromium(Cr ³⁺)	mg/kg	2	37.5	9.4	460	N.D.	N.D.
Chromium(Cr ⁶⁺)	mg/kg	0.015	0.02	0.005	0.053	N.D.	N.D.
Cobalt (Co)	mg/kg	2	10.5	2.6	130	N.D.	N.D.
Copper (Cu)	mg/kg	2	622.5	156	7700	N.D.	N.D.
Lead (Pb)	mg/kg	0.2	2.0	0.5	23	N.D.	N.D.
Manganese (Mn)	mg/kg	2	1200	300	15000	N.D.	N.D.
Mercury (Hg)	mg/kg	1	7.5	1.9	94	N.D.	N.D.
Nickel (Ni)	mg/kg	2	75	18.8	930	N.D.	N.D.
Selenium (Se)	mg/kg	2	37.5	9.4	460	N.D.	N.D.
Strontium (Sr)	mg/kg	2	4500	1125	56000	N.D.	N.D.
Tin (Sn)	mg/kg	2	15000	3750	180000	N.D.	N.D.
Organic tin	mg/kg	0.2	0.9	0.2	12	N.D.	N.D.
Zinc (Zn)	mg/kg	2	3750	938	46000	N.D.	N.D.

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Date: Aug.15, 2023

TEST RESULTS

Test item(s)	Unit	MDL	Limit (mg/kg)			Result(s)	
			Category 1: dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	7	8
Aluminum (Al)	mg/kg	2	2250	560	28130	N.D.	N.D.
Antimony(Sb)	mg/kg	2	45	11.3	560	N.D.	N.D.
Arsenic(As)	mg/kg	0.5	3.8	0.9	47	N.D.	N.D.
Barium(Ba)	mg/kg	2	1500	375	18750	N.D.	N.D.
Boron(B)	mg/kg	2	1200	300	15000	N.D.	N.D.
Cadmium(Cd)	mg/kg	0.2	1.3	0.3	17	N.D.	N.D.
Chromium(Cr ³⁺)	mg/kg	2	37.5	9.4	460	N.D.	N.D.
Chromium(Cr ⁶⁺)	mg/kg	0.015	0.02	0.005	0.053	N.D.	N.D.
Cobalt (Co)	mg/kg	2	10.5	2.6	130	N.D.	N.D.
Copper (Cu)	mg/kg	2	622.5	156	7700	N.D.	N.D.
Lead (Pb)	mg/kg	0.2	2.0	0.5	23	N.D.	N.D.
Manganese (Mn)	mg/kg	2	1200	300	15000	N.D.	N.D.
Mercury (Hg)	mg/kg	1	7.5	1.9	94	N.D.	N.D.
Nickel (Ni)	mg/kg	2	75	18.8	930	N.D.	N.D.
Selenium (Se)	mg/kg	2	37.5	9.4	460	N.D.	N.D.
Strontium (Sr)	mg/kg	2	4500	1125	56000	N.D.	26
Tin (Sn)	mg/kg	2	15000	3750	180000	N.D.	N.D.
Organic tin	mg/kg	0.2	0.9	0.2	12	N.D.	N.D.
Zinc (Zn)	mg/kg	2	3750	938	46000	N.D.	17

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16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002002220R001

Date: Aug.15, 2023

TEST RESULTS

Test item(s)	Unit	MDL	Limit (mg/kg)			Result(s)	
			Category 1: dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	9	10
Aluminum (Al)	mg/kg	2	2250	560	28130	N.D.	N.D.
Antimony(Sb)	mg/kg	2	45	11.3	560	N.D.	N.D.
Arsenic(As)	mg/kg	0.5	3.8	0.9	47	N.D.	N.D.
Barium(Ba)	mg/kg	2	1500	375	18750	N.D.	N.D.
Boron(B)	mg/kg	2	1200	300	15000	N.D.	N.D.
Cadmium(Cd)	mg/kg	0.2	1.3	0.3	17	N.D.	N.D.
Chromium(Cr ³⁺)	mg/kg	2	37.5	9.4	460	N.D.	N.D.
Chromium(Cr ⁶⁺)	mg/kg	0.015	0.02	0.005	0.053	N.D.	N.D.
Cobalt (Co)	mg/kg	2	10.5	2.6	130	N.D.	N.D.
Copper (Cu)	mg/kg	2	622.5	156	7700	N.D.	N.D.
Lead (Pb)	mg/kg	0.2	2.0	0.5	23	N.D.	N.D.
Manganese (Mn)	mg/kg	2	1200	300	15000	N.D.	N.D.
Mercury (Hg)	mg/kg	1	7.5	1.9	94	N.D.	N.D.
Nickel (Ni)	mg/kg	2	75	18.8	930	N.D.	N.D.
Selenium (Se)	mg/kg	2	37.5	9.4	460	N.D.	N.D.
Strontium (Sr)	mg/kg	2	4500	1125	56000	28	31
Tin (Sn)	mg/kg	2	15000	3750	180000	N.D.	N.D.
Organic tin	mg/kg	0.2	0.9	0.2	12	N.D.	N.D.
Zinc (Zn)	mg/kg	2	3750	938	46000	N.D.	N.D.

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Report No.: 1002002220R001

Date: Aug.15, 2023

TEST RESULTS

Test item(s)	Unit	MDL	Limit (mg/kg)			Result(s)
			Category 1:dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	
						11
Aluminum (Al)	mg/kg	2	2250	560	28130	N.D.
Antimony(Sb)	mg/kg	2	45	11.3	560	N.D.
Arsenic(As)	mg/kg	0.5	3.8	0.9	47	N.D.
Barium(Ba)	mg/kg	2	1500	375	18750	N.D.
Boron(B)	mg/kg	2	1200	300	15000	N.D.
Cadmium(Cd)	mg/kg	0.2	1.3	0.3	17	N.D.
Chromium(Cr ³⁺)	mg/kg	2	37.5	9.4	460	N.D.
Chromium(Cr ⁶⁺)	mg/kg	0.015	0.02	0.005	0.053	N.D.
Cobalt (Co)	mg/kg	2	10.5	2.6	130	N.D.
Copper (Cu)	mg/kg	2	622.5	156	7700	N.D.
Lead (Pb)	mg/kg	0.2	2.0	0.5	23	N.D.
Manganese (Mn)	mg/kg	2	1200	300	15000	N.D.
Mercury (Hg)	mg/kg	1	7.5	1.9	94	N.D.
Nickel (Ni)	mg/kg	2	75	18.8	930	N.D.
Selenium (Se)	mg/kg	2	37.5	9.4	460	N.D.
Strontium (Sr)	mg/kg	2	4500	1125	56000	N.D.
Tin (Sn)	mg/kg	2	15000	3750	180000	N.D.
Organic tin	mg/kg	0.2	0.9	0.2	12	N.D.
Zinc (Zn)	mg/kg	2	3750	938	46000	26

-The Migration content limit is Category 3.

Remark :

1. The migration of organic tin is expressed as Tributyltin(TBT).
2. Confirmation test of soluble chromium (III) & chromium (VI) is not required in case of soluble chromium does not exceed their requirements as specified in EN 71-3:2019+A1:2021.
3. Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN 71-3:2019+A1:2021.

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TEST REPORT

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16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002002220R001
Date: Aug.15, 2023

TEST RESULTS

2. Migration of Certain Elements- BS EN 71-3:2019+A1:2021

Test Method: BS EN 71-3:2019+A1:2021

Test Instrument: Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES),
Inductively Coupled Plasma Mass Spectrometer (ICP-MS)
Liquid Chromatography-Inductively Coupled Plasma Mass Spectrometer (LC-ICP-MS)

Test item(s)	Unit	MDL	Limit (mg/kg)			Result(s)			
			Category 1: dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	1	2	3	4
Al	mg/kg	2	2250	560	28130	N.D.	N.D.	N.D.	N.D.
Sb	mg/kg	2	45	11.3	560	N.D.	N.D.	N.D.	N.D.
As	mg/kg	0.5	3.8	0.9	47	N.D.	N.D.	N.D.	N.D.
Ba	mg/kg	2	1500	375	18750	N.D.	N.D.	N.D.	N.D.
B	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.	N.D.
Cd	mg/kg	0.2	1.3	0.3	17	N.D.	N.D.	N.D.	N.D.
Cr III	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.	N.D.
Cr VI	mg/kg	0.015	0.02	0.005	0.053	N.D.	N.D.	N.D.	N.D.
Co	mg/kg	2	10.5	2.6	130	N.D.	N.D.	N.D.	N.D.
Cu	mg/kg	2	622.5	156	7700	N.D.	N.D.	N.D.	N.D.
Pb	mg/kg	0.2	2.0	0.5	23	N.D.	N.D.	N.D.	N.D.
Mn	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.	N.D.
Hg	mg/kg	1	7.5	1.9	94	N.D.	N.D.	N.D.	N.D.
Ni	mg/kg	2	75	18.8	930	N.D.	N.D.	N.D.	N.D.
Se	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.	N.D.
Sr	mg/kg	2	4500	1125	56000	N.D.	N.D.	N.D.	N.D.
Sn	mg/kg	0.2	15000	3750	180000	N.D.	N.D.	N.D.	N.D.
Organic tin	mg/kg	0.2	0.9	0.2	12	N.D.	N.D.	N.D.	N.D.
Zn	mg/kg	2	3750	938	46000	N.D.	N.D.	N.D.	N.D.

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TEST REPORT

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BTL Diffusion
16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002002220R001
Date: Aug.15, 2023

TEST RESULTS

Test item(s)	Unit	MDL	Limit (mg/kg)			Result(s)			
			Category 1: dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	5	6	7	8
Al	mg/kg	2	2250	560	28130	N.D.	N.D.	N.D.	N.D.
Sb	mg/kg	2	45	11.3	560	N.D.	N.D.	N.D.	N.D.
As	mg/kg	0.5	3.8	0.9	47	N.D.	N.D.	N.D.	N.D.
Ba	mg/kg	2	1500	375	18750	N.D.	N.D.	N.D.	N.D.
B	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.	N.D.
Cd	mg/kg	0.2	1.3	0.3	17	N.D.	N.D.	N.D.	N.D.
Cr III	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.	N.D.
Cr VI	mg/kg	0.015	0.02	0.005	0.053	N.D.	N.D.	N.D.	N.D.
Co	mg/kg	2	10.5	2.6	130	N.D.	N.D.	N.D.	N.D.
Cu	mg/kg	2	622.5	156	7700	N.D.	N.D.	N.D.	N.D.
Pb	mg/kg	0.2	2.0	0.5	23	N.D.	N.D.	N.D.	N.D.
Mn	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.	N.D.
Hg	mg/kg	1	7.5	1.9	94	N.D.	N.D.	N.D.	N.D.
Ni	mg/kg	2	75	18.8	930	N.D.	N.D.	N.D.	N.D.
Se	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.	N.D.
Sr	mg/kg	2	4500	1125	56000	N.D.	N.D.	N.D.	26
Sn	mg/kg	0.2	15000	3750	180000	N.D.	N.D.	N.D.	N.D.
Organic tin	mg/kg	0.2	0.9	0.2	12	N.D.	N.D.	N.D.	N.D.
Zn	mg/kg	2	3750	938	46000	N.D.	N.D.	N.D.	17

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Supersede Previous Report, Report Number 1002019685

BTL Diffusion
16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002002220R001
Date: Aug.15, 2023

TEST RESULTS

Test item(s)	Unit	MDL	Limit (mg/kg)			Result(s)		
			Category 1: dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	9	10	11
Al	mg/kg	2	2250	560	28130	N.D.	N.D.	N.D.
Sb	mg/kg	2	45	11.3	560	N.D.	N.D.	N.D.
As	mg/kg	0.5	3.8	0.9	47	N.D.	N.D.	N.D.
Ba	mg/kg	2	1500	375	18750	N.D.	N.D.	N.D.
B	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Cd	mg/kg	0.2	1.3	0.3	17	N.D.	N.D.	N.D.
Cr III	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Cr VI	mg/kg	0.015	0.02	0.005	0.053	N.D.	N.D.	N.D.
Co	mg/kg	2	10.5	2.6	130	N.D.	N.D.	N.D.
Cu	mg/kg	2	622.5	156	7700	N.D.	N.D.	N.D.
Pb	mg/kg	0.2	2.0	0.5	23	N.D.	N.D.	N.D.
Mn	mg/kg	2	1200	300	15000	N.D.	N.D.	N.D.
Hg	mg/kg	1	7.5	1.9	94	N.D.	N.D.	N.D.
Ni	mg/kg	2	75	18.8	930	N.D.	N.D.	N.D.
Se	mg/kg	2	37.5	9.4	460	N.D.	N.D.	N.D.
Sr	mg/kg	2	4500	1125	56000	28	31	N.D.
Sn	mg/kg	2	15000	3750	180000	N.D.	N.D.	N.D.
Organic tin	mg/kg	0.2	0.9	0.2	12	N.D.	N.D.	N.D.
Zn	mg/kg	2	3750	938	46000	N.D.	N.D.	26

-The Migration content limit is Category 3.

Remark :

1. The migration of organic tin is expressed as Tributyltin(TBT).
2. Confirmation test of soluble chromium (III) & chromium (VI) is not required in case of soluble chromium does not exceed their requirements as specified in BS EN 71-3:2019+A1:2021.
3. Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in BS EN 71-3:2019+A1:2021.

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TEST RESULTS

3. Heavy Elements content- ASTM F963-17 (Clause 4.3.5) Standard Consumer Safety Specification for Toy Safety.

Total Lead (Pb) Content in Non-Surface Coating Materials (Substrate)

Test Method: CPSC-CH-E1001-08.3& CPSC-CH-E1002-08.3

Test Instrument: Atomic Absorption Spectrophotometer (AAS)

Test item(s)	Unit	MDL	Limit	Result(s)			
				1+3+7	2+5+6	11	18+19
Lead(Pb)	mg/kg	10	100	N.D.	N.D.	N.D.	N.D.

Soluble elements Content

Test Method: ASTM F 963-17 Section 8.3.5& ASTM F 963-17 Section 8.3.2

Test Instrument: Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Test item(s)	Unit	MDL	Limit	Result(s)				
				1	2	3	4	5
Cadmium(Cd)	mg/kg	5	75	N.D.	N.D.	N.D.	N.D.	N.D.
Lead(Pb)	mg/kg	5	90	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium(Cr)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury(Hg)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Antimony(Sb)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Barium(Ba)	mg/kg	5	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Arsenic(As)	mg/kg	5	25	N.D.	N.D.	N.D.	N.D.	N.D.
Selenium(Se)	mg/kg	5	500	N.D.	N.D.	N.D.	N.D.	N.D.

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Report No.: 1002002220R001
Date: Aug.15, 2023

TEST RESULTS

Test item(s)	Unit	MDL	Limit	Result(s)			
				6	7	8	11
Cadmium(Cd)	mg/kg	5	75	N.D.	N.D.	N.D.	N.D.
Lead(Pb)	mg/kg	5	90	N.D.	N.D.	N.D.	N.D.
Chromium(Cr)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.
Mercury(Hg)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.
Antimony(Sb)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.
Barium(Ba)	mg/kg	5	1000	N.D.	N.D.	N.D.	N.D.
Arsenic(As)	mg/kg	5	25	N.D.	N.D.	N.D.	N.D.
Selenium(Se)	mg/kg	5	500	N.D.	N.D.	N.D.	N.D.

4. Soluble elements Content - AS/NZS 8124.3:2021

Test Method: AS/NZS 8124.3:2021

Test Instrument: Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Test item(s)	Unit	MDL	Limit	Result(s)				
				1	2	3	4	5
Cadmium(Cd)	mg/kg	5	75	N.D.	N.D.	N.D.	N.D.	N.D.
Lead(Pb)	mg/kg	5	90	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium(Cr)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury(Hg)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Antimony(Sb)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Barium(Ba)	mg/kg	5	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Arsenic(As)	mg/kg	5	25	N.D.	N.D.	N.D.	N.D.	N.D.
Selenium(Se)	mg/kg	5	500	N.D.	N.D.	N.D.	N.D.	N.D.

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TEST RESULTS

Test item(s)	Unit	MDL	Limit	Result(s)				
				6	7	8	9	10
Cadmium(Cd)	mg/kg	5	75	N.D.	N.D.	N.D.	N.D.	N.D.
Lead(Pb)	mg/kg	5	90	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium(Cr)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury(Hg)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Antimony(Sb)	mg/kg	5	60	N.D.	N.D.	N.D.	N.D.	N.D.
Barium(Ba)	mg/kg	5	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Arsenic(As)	mg/kg	5	25	N.D.	N.D.	N.D.	N.D.	N.D.
Selenium(Se)	mg/kg	5	500	N.D.	N.D.	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)
				11
Cadmium(Cd)	mg/kg	5	75	N.D.
Lead(Pb)	mg/kg	5	90	N.D.
Chromium(Cr)	mg/kg	5	60	N.D.
Mercury(Hg)	mg/kg	5	60	N.D.
Antimony(Sb)	mg/kg	5	60	N.D.
Barium(Ba)	mg/kg	5	1000	N.D.
Arsenic(As)	mg/kg	5	25	N.D.
Selenium(Se)	mg/kg	5	500	N.D.

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TEST RESULTS

5. Toxicological Hazards content - Toys Regulations (SOR/2011-17 and amendment SOR/2016-195 & SOR/2016-302)

Test method: With reference to Method C02.2.2, Method C02.3.2, Method C-07:2019 and ASTM F963-17 Section 8.3.5, ASTM F963-17 Section 8.3.2

Test Instrument: Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Test item(s)	Unit	MDL	Limit	Result(s)				
				1	2	3	4	5
Total Lead(Pb)	mg/kg	10	90	N.D.	N.D.	N.D.	N.D.	N.D.
Total Mercury (Hg)	mg/kg	10	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Antimony (Sb)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Arsenic (As)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Barium (Ba)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Cadmium (Cd)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Selenium (Se)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)				
				6	7	8	9	10
Total Lead(Pb)	mg/kg	10	90	N.D.	N.D.	N.D.	N.D.	N.D.
Total Mercury (Hg)	mg/kg	10	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Antimony (Sb)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Arsenic (As)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Barium (Ba)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Cadmium (Cd)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Selenium (Se)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.

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Test item(s)	Unit	MDL	Limit	Result(s)				
				11	12	13	14	15
Total Lead(Pb)	mg/kg	10	90	N.D.	N.D.	N.D.	N.D.	N.D.
Total Mercury (Hg)	mg/kg	10	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Antimony (Sb)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Arsenic (As)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Barium (Ba)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Cadmium (Cd)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Selenium (Se)	mg/kg	10	1000	N.D.	N.D.	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)	
				16	17
Total Lead(Pb)	mg/kg	10	90	N.D.	N.D.
Total Mercury (Hg)	mg/kg	10	10	N.D.	N.D.
Soluble Antimony (Sb)	mg/kg	10	1000	N.D.	N.D.
Soluble Arsenic (As)	mg/kg	10	1000	N.D.	N.D.
Soluble Barium (Ba)	mg/kg	10	1000	N.D.	N.D.
Soluble Cadmium (Cd)	mg/kg	10	1000	N.D.	N.D.
Soluble Selenium (Se)	mg/kg	10	1000	N.D.	N.D.

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TEST RESULTS

6. Total lead content - Consumer Product Safety Improvement Act of 2008(H.R. 4040) & H.R.2715 amendment Title 1 section 101

Total Lead (Pb) Content in Non-Surface Coating Materials (Substrate)

Test Method: CPSC-CH-E1001-08.3& CPSC-CH-E1002-08.3

Test Instrument: Atomic Absorption Spectrophotometer (AAS)

Test item(s)	Unit	MDL	Limit	Result(s)			
				1+3+7	2+5+6	11	18+19
Lead(Pb)	mg/kg	10	100	N.D.	N.D.	N.D.	N.D.

7. Total lead content - California "Proposition 65"

Total Lead (Pb) Content in Non-Surface Coating Materials (Substrate)

Test Method: CPSC-CH-E1001-08.3& CPSC-CH-E1002-08.3

Test Instrument: Atomic Absorption Spectrophotometer (AAS)

Test item(s)	Unit	MDL	Limit	Result(s)			
				1+3+7	2+5+6	11	18+19
Lead(Pb)	mg/kg	10	100	N.D.	N.D.	N.D.	N.D.

8. Total Lead content - Consumer Products Containing Lead Regulations SOR/2018-83

Test method: With reference to Method C02.3.2:2021& C-02.4:2017

Test Instrument: Atomic Absorption Spectrophotometer (AAS)

Test item(s)	Unit	MDL	Limit	Result(s)			
				1+3+7	2+5+6	11	18+19
Total Lead(Pb)	mg/kg	10	90	N.D.	N.D.	N.D.	N.D.

9. Total Lead content - Canada Surface coating materials regulations(SOR/2016-193& SOR/2022-122)

Test Method: With reference to Method C02.2.2:2020

Test Instrument: Atomic Absorption Spectrophotometer (AAS)

Test item(s)	Unit	MDL	Limit	Result(s)		
				8	12+13+14	15+16+17
Lead(Pb)	mg/kg	10	90	N.D.	N.D.	N.D.

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TEST RESULTS

10. Total lead content - 16 CFR 1303

Total Lead (Pb) Content in Surface Coating

Test Method: CPSC-CH-E1003-09.1

Test Instrument: Atomic Absorption Spectrophotometer (AAS)

Test item(s)	Unit	MDL	Limit	Result(s)		
				8	12+13+14	15+16+17
Lead(Pb)	mg/kg	10	90	N.D.	N.D.	N.D.

11. Total Mercury content-Canadian Environmental Protection Act :Products Containing Mercury Regulations SOR/2014-254

Test Method: With reference to IEC 62321-4:2013+A1: 2017

Test Instrument: Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Test item(s)	Unit	MDL	Limit	Result(s)	
				1+3	2+4
Total Mercury (Hg)	mg/kg	10	1000	N.D.	N.D.

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SZ-FAF-001 (2023-06-08)



TEST REPORT

Supersede Previous Report, Report Number 1002019685

BTL Diffusion

16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002002220R001

Date: Aug.15, 2023

TEST RESULTS

12. PAHs content- Item 50 of Annex XVII of REACH Regulation (EC) 1907/2006 & amendment (EU) No 1272/2013.

Test Method: With reference to AfPS-GS-2019-01: PAK

Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

No.	Test item(s)	CAS No	Unit	MDL	Result(s)		
					1+3	2+4	5+6
1	Benzo (a)anthracene (BaA)	56-55-3	mg/kg	0.2	N.D.	N.D.	N.D.
2	Chrysene (CHR)	218-01-9	mg/kg	0.2	N.D.	N.D.	N.D.
3	Benzo (b) fluoranthene (BbFA)	205-99-2	mg/kg	0.2	N.D.	N.D.	N.D.
4	Benzo (k) fluoranthene (BkFA)	207-08-9	mg/kg	0.2	N.D.	N.D.	N.D.
5	Benzo (j) fluoranthene (BjFA)	205-82-3	mg/kg	0.2	N.D.	N.D.	N.D.
6	Benzo (e) pyrene (BeP)	192-97-2	mg/kg	0.2	N.D.	N.D.	N.D.
7	Benzo (a) pyrene (BaP)	50-32-8	mg/kg	0.2	N.D.	N.D.	N.D.
8	Dibenzo (a,h) anthracene (DBAhA)	53-07-3	mg/kg	0.2	N.D.	N.D.	N.D.

Remark:

(1) (EU) No 1272/2013 amending Item No 50 of Annex XVII of REACH Regulation (EC) 1907/2006

Parameter (mg/kg)	Category 1	Category 2
	Articles 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 Such articles include amongst others: - sport equipment such as bicycles, golf clubs, racquets. - household utensils, trolleys, walking frames - tools for domestic use - clothing, footwear, gloves and sportswear - watch-straps, wrist-bands, masks, head-bands	Toys, including activity toys, and childcare articles, 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,
Benzo[a]pyrene	<1	<0.5
Benzo[e]pyrene	<1	<0.5
Benzo[a]anthracene	<1	<0.5
Benzo[b]fluoranthene	<1	<0.5
Benzo[j]fluoranthene	<1	<0.5
Benzo[k]fluoranthene	<1	<0.5
Chrysene	<1	<0.5
Dibenzo[a,h]anthracene	<1	<0.5

- The PAHs limit is Category 2

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TEST REPORT

Supersede Previous Report, Report Number 1002019685

BTL Diffusion

16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002002220R001

Date: Aug.15, 2023

TEST RESULTS

13. Short Chain Chlorinated Paraffin content - the Persistent Organic Pollutants (POPs) Regulation (EU) 2019/1021.

Test Method: In-house method

Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

Test item(s)	Unit	MDL	Limit	Result(s)		
				1+3+7	2+5+6	26+27+32
Short Chain Chlorinated Paraffin (SCCP)	mg/kg	50	1500	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				31	33+34+35	36+37+38
Short Chain Chlorinated Paraffin (SCCP)	mg/kg	50	1500	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)		
				39+40+41	42+43	91
Short Chain Chlorinated Paraffin (SCCP)	mg/kg	50	1500	N.D.	N.D.	N.D.

14. Specific Migration of Bisphenol A (BPA)- Directive 2009/48/EC and its amendment Directive (EU) 2017/898.

Test Method: EN 71-10:2005& EN 71-11:2005

Test Instrument: High Performance Liquid Chromatography (HPLC)

Test item(s)	Unit	MDL	Limit	Result(s)		
				1	2	3
Specific Migration of Bisphenol A (BPA)	mg/L	0.02	0.04	N.D.	N.D.	N.D.

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TEST REPORT

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BTL Diffusion

16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002002220R001

Date: Aug.15, 2023

TEST RESULTS

15. Specific Migration of Phenol Content- Directive 2009/48/EC and its amendment Directive (EU) 2017/774.

Test Method: With reference to EN71-10: 2005& EN71-11: 2005

Test Instrument: High Performance Liquid Chromatography- fluorescence detector (HPLC-FLD)

Test item(s)	Unit	MDL	Limit	Result(s)		
				1		
Specific Migration of Phenol	mg/L	5	5	N.D.		

16. Phthalates content- Consumer Product Safety Improvement Act of 2008(H.R. 4040) & H.R.2715 amendment &16 CFR Part 1307-Prohibition of Children Toys and Child Care Articles Containing Specified Phthalates.

Test Method: CPSC-CH-C1001-09.4

Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)		
					1+3+7	2+5+6	8
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D.	N.D.	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.	N.D.	N.D.
Benzyl butyl phthalate (BBP)	85-68-7	mg/kg	50	1000	N.D.	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	28553-12-0 68515-48-0	mg/kg	100	1000	N.D.	N.D.	N.D.
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	50	1000	N.D.	N.D.	N.D.
Di-n-pentyl Phthalate (DPENP)	131-18-0	mg/kg	50	1000	N.D.	N.D.	N.D.
Di-n-hexyl Phthalate (DHEXP)	84-75-3	mg/kg	50	1000	N.D.	N.D.	N.D.
Dicyclohexyl Phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.	N.D.

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TEST REPORT

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BTL Diffusion
16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002002220R001
Date: Aug.15, 2023

TEST RESULTS

Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)		
					11	12+13 +14	15+16 +17
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D.	68	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.	N.D.	N.D.
Benzyl butyl phthalate (BBP)	85-68-7	mg/kg	50	1000	N.D.	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	28553-12-0 68515-48-0	mg/kg	100	1000	N.D.	N.D.	N.D.
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	50	1000	N.D.	N.D.	62
Di-n-pentyl Phthalate (DPENP)	131-18-0	mg/kg	50	1000	N.D.	N.D.	N.D.
Di-n-hexyl Phthalate (DHEXP)	84-75-3	mg/kg	50	1000	N.D.	N.D.	N.D.
Dicyclohexyl Phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.	N.D.

17. Phthalates content- California "Proposition 65".

Test Method: CPSC-CH-C1001-09.4

Test Instrument: Gas Chromatography - Mass Spectrometer (GC-MS)

Test item(s)	Unit	MDL	Limit	Result(s)		
				1+3+7	2+5+6	8
Bis (2-ethylhexyl) phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Dibutyl phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Benzyl butyl phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Di-n-hexyl phthalate (DNHP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Diisodecyl phthalate (DIDP)	mg/kg	100	1000	N.D.	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	mg/kg	100	1000	N.D.	N.D.	N.D.

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16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002002220R001

Date: Aug.15, 2023

TEST RESULTS

Test item(s)	Unit	MDL	Limit	Result(s)		
				11	12+13+14	15+16+17
Bis (2-ethylhexyl) phthalate (DEHP)	mg/kg	50	1000	N.D.	68	N.D.
Dibutyl phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Benzyl butyl phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Di-n-hexyl phthalate (DNHP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Diisodecyl phthalate (DIDP)	mg/kg	100	1000	N.D.	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	mg/kg	100	1000	N.D.	N.D.	N.D.

18. Phthalates content- Item 51& 52 of Annex XVII of REACH Regulation (EC) 1907/2006

Test Method: With reference to EN 14372:2004(E)

Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

Test item(s)	Unit	MDL	Limit	Result(s)			
				1+3+7	2+5+6	26+27+32	31
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.	75	N.D.
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.
Diisobutyl phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.
Total(DEHP+ DBP+BBP+ DIBP)	mg/kg	/	1000	N.D.	N.D.	75	N.D.
Diisononyl Phthalate (DINP)	mg/kg	100	/	N.D.	N.D.	N.D.	N.D.
Diisodecyl Phthalate (DIDP)	mg/kg	100	/	N.D.	N.D.	N.D.	N.D.
Di-n-octyl Phthalate (DNOP)	mg/kg	50	/	N.D.	N.D.	N.D.	N.D.
Total(DINP+ DIDP+DNOP)	mg/kg	/	1000	N.D.	N.D.	N.D.	N.D.

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Date: Aug.15, 2023

TEST RESULTS

Test item(s)	Unit	MDL	Limit	Result(s)			
				33+34+35	36+37+38	39+40+41	42+43
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.
Diisobutyl phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.
Total(DEHP+ DBP+BBP+ DIBP)	mg/kg	/	1000	N.D.	N.D.	N.D.	N.D.
Diisononyl Phthalate (DINP)	mg/kg	100	/	N.D.	N.D.	N.D.	N.D.
Diisodecyl Phthalate (DIDP)	mg/kg	100	/	N.D.	N.D.	N.D.	N.D.
Di-n-octyl Phthalate (DNOP)	mg/kg	50	/	N.D.	N.D.	N.D.	N.D.
Total(DINP+ DIDP+DNOP)	mg/kg	/	1000	N.D.	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit	Result(s)
				91
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.
Diisobutyl phthalate (DIBP)	mg/kg	50	1000	N.D.
Total(DEHP+ DBP+BBP+ DIBP)	mg/kg	/	1000	N.D.
Diisononyl Phthalate (DINP)	mg/kg	100	/	N.D.
Diisodecyl Phthalate (DIDP)	mg/kg	100	/	N.D.
Di-n-octyl Phthalate (DNOP)	mg/kg	50	/	N.D.
Total(DINP+ DIDP+DNOP)	mg/kg	/	1000	N.D.

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16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002002220R001
Date: Aug.15, 2023

TEST RESULTS

19. Phthalates content- Canada Consumer Product Safety Act : Phthalates Regulations (SOR/2016-188)

Test Method: Health Canada Method C34:2018

Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

Test item(s)	Unit	MDL	Limit	Result(s)	
				-	
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.A.	
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.A.	
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.A.	
Di-n-octyl Phthalate (DNOP)	mg/kg	50	1000	N.A.	
Diisononyl Phthalate (DINP)	mg/kg	100	1000	N.A.	
Diisodecyl Phthalate (DIDP)	mg/kg	100	1000	N.A.	

Note: No PVC materials presented on the received sample(s). Therefore, the phthalates content analysis of PVC materials according to Canada Consumer Product Safety Act, Phthalate Regulations, SOR/2016-188, was not conducted.

20. Phthalates content- Australia Competition and Consumer Act 2010 in children's products - Consumer Protection Notice No. 11 of 2011

Test Method: With reference to EN 14372:2004

Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)	
					1+3+7	2+5+6
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	10000	N.D.	N.D.

Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)	
					11	
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	10000	N.D.	

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SZ-FAF-001 (2023-06-08)



TEST REPORT

Supersede Previous Report, Report Number 1002019685

BTL Diffusion

16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002002220R001

Date: Aug.15, 2023

TEST RESULTS

21. RoHS Directive 2011/65/EU and its amendment directives Screening by X-ray fluorescence spectrometry

Test item(s)	Test Method	Test Instrument
Lead, mercury, cadmium, chromium and bromine	IEC 62321-3-1:2013	X-ray fluorescence spectrometry

Seq. No.	Tested Part(s)	Result(s)				
		Pb	Cd	Hg	Cr	Br
1	Transparent plastic, shell	BL	BL	BL	BL	BL
2	Grey green soft plastic, buttons	BL	BL	BL	BL	BL
3	Apricot plastic, body	BL	BL	BL	BL	BL
4	Apricot soft plastic, rotary knob	BL	BL	BL	BL	BL
5	White soft plastic, cable jacket	BL	BL	BL	BL	BL
6	White soft plastic, USB cover	BL	BL	BL	BL	BL
7	White plastic, USB	BL	BL	BL	BL	BL
8	Multi-color coating, cover	BL	BL	BL	BL	BL
9	White paper, cover	BL	BL	BL	BL	BL
10	Multi-color printed white paper, page	BL	BL	BL	BL	BL
11	Transparent dry glue, book	BL	BL	BL	BL	BL
12	Green coating, pattern	BL	BL	BL	BL	BL
13	Orange coating, pattern	BL	BL	BL	BL	BL
14	Blue coating, pattern	BL	BL	BL	BL	BL
15	Red coating, pattern	BL	BL	BL	BL	BL
16	Brown coating, pattern	BL	BL	BL	BL	BL
17	Black grey coating, pattern	BL	BL	BL	BL	BL
18	Silvery metal, USB-A plug	BL	BL	BL	X	NA
19	Silvery metal, USB Type-c plug	BL	BL	BL	X	NA
20	Silvery metal pin, USB-A plug (Inner)	BL	BL	BL	BL	NA
21	Black plastic, USB Type-c plug & socket (Inner)	BL	BL	BL	BL	BL
22	Red/white printed creamy PCB , USB Type-c plug (Inner)	BL	BL	BL	BL	X
23	Silvery metal sheet, USB Type-c plug (Inner)	BL	BL	BL	X	NA
24	Silvery metal pin, USB Type-c plug (Inner)	BL	BL	BL	BL	NA
25	Silvery metal solder, USB Type-c plug (Inner)	BL	BL	BL	BL	NA
26	Black soft plastic, Inside of USB cable (Inner)	BL	BL	BL	BL	BL
27	Red soft plastic, Inside of USB cable (Inner)	BL	BL	BL	BL	BL
28	Coppery metal, Inside of USB cable (Inner)	BL	BL	BL	BL	NA
29	Silvery metal, screw(inner)	BL	BL	BL	BL	NA
30	Silvery metal, fixed screw(inner)	BL	BL	BL	X	NA

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BTL Diffusion
16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002002220R001
Date: Aug.15, 2023

TEST RESULTS

Seq. No.	Tested Part(s)	Result(s)				
		Pb	Cd	Hg	Cr	Br
31	Black foam ring with adhesive(inner)	BL	BL	BL	BL	BL
32	Black soft plastic, wire jacket(inner)	BL	BL	BL	BL	BL
33	Red soft plastic, wire jacket(inner)	BL	BL	BL	BL	BL
34	White soft plastic, wire jacket(inner)	BL	BL	BL	BL	BL
35	Grey soft plastic, wire jacket(inner)	BL	BL	BL	BL	BL
36	Orange soft plastic, wire jacket(inner)	BL	BL	BL	BL	BL
37	Green soft plastic, wire jacket(inner)	BL	BL	BL	BL	BL
38	Blue soft plastic, wire jacket(inner)	BL	BL	BL	BL	BL
39	Brown soft plastic, wire jacket(inner)	BL	BL	BL	BL	BL
40	Pink soft plastic, wire jacket(inner)	BL	BL	BL	BL	BL
41	Light purple soft plastic, wire jacket(inner)	BL	BL	BL	BL	BL
42	Purple soft plastic, wire jacket(inner)	BL	BL	BL	BL	BL
43	Dark purple soft plastic, wire jacket(inner)	BL	BL	BL	BL	BL
44	Coppery metal, wire core(inner)	BL	BL	BL	BL	NA
45	Translucent plastic, ribbon(inner)	BL	BL	BL	BL	BL
46	Transparent dry glue(inner)	BL	BL	BL	BL	BL
47	Black plastic, Button (Inner)	BL	BL	BL	BL	BL
48	Silvery metal plate, button (Inner)	BL	BL	BL	BL	NA
49	Silvery metal spring plate, button (Inner)	BL	BL	BL	X	NA
50	Silvery metal, pin & base of button (Inner)	BL	BL	BL	BL	NA
51	Green/ white printed brown PCB, (Inner)	BL	BL	BL	BL	BL
52	Green/ white printed translucent PCB, (inner)	BL	BL	BL	BL	X
53	Red metal, Color ring inductor (inner)	BL	BL	BL	BL	NA
54	Golden metal, Color ring inductor (inner)	BL	BL	BL	BL	NA
55	Black magnet ring with green coating, Color ring inductor (inner)	BL	BL	BL	BL	BL
56	Black plastic, Button (Inner)	BL	BL	BL	BL	BL
57	Silvery metal shell, button (Inner)	BL	BL	BL	BL	NA
58	Silvery metal spring plate, button (Inner)	BL	BL	BL	BL	NA
59	Silvery metal bead, button (Inner)	BL	BL	BL	BL	NA
60	Silvery metal, pin & base of button (Inner)	BL	BL	BL	BL	NA
61	Brown plastic, button (Inner)	BL	BL	BL	BL	BL
62	Green/ white printed beige PCB, (inner)	BL	BL	BL	BL	X
63	Silvery metal, screw of slide hammer(inner)	BL	BL	BL	X	NA

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BTL Diffusion

16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002002220R001

Date: Aug.15, 2023

TEST RESULTS

Seq. No.	Tested Part(s)	Result(s)				
		Pb	Cd	Hg	Cr	Br
64	White plastic, gasket of slide hammer(inner)	BL	BL	BL	BL	BL
65	Black plastic, shell of slide hammer(inner)	BL	BL	BL	BL	BL
66	Silvery metal, slide hammer(inner)	BL	BL	BL	BL	NA
67	Coppery metal, slide hammer(inner)	BL	BL	BL	BL	NA
68	metal, slide hammer(inner)	X	BL	BL	BL	NA
69	Red plastic, slide hammer(inner)	BL	BL	BL	BL	BL
70	Dark green PCB board, slide hammer(inner)	BL	BL	BL	BL	BL
71	Silvery metal, spring of hammer(inner)	BL	BL	BL	X	NA
72	Silvery metal, fixed sheet of hammer(inner)	BL	BL	BL	BL	NA
73	metal, rivet of slide hammer(inner)	BL	BL	BL	BL	NA
74	White dry glue, PCB(inner)	BL	BL	BL	BL	BL
75	Silvery metal, gasket screw(inner)	BL	BL	BL	BL	NA
76	Black material with pin , small chip IC(Inner)	BL	BL	BL	BL	BL
77	Black material with pin , big chip IC(Inner)	BL	BL	BL	BL	BL
78	White printed black material with pin, big Chip resistor (Inner)	BL	BL	BL	BL	BL
79	Multi-color body, glass LED(inner)	#	BL	BL	BL	BL
80	Black material with pin , audion	BL	BL	BL	BL	BL
81	Brown material with pin, big Chip capacitor (Inner)	BL	BL	BL	BL	BL
82	Brown material with pin, small Chip capacitor (Inner)	BL	BL	BL	BL	BL
83	White plastic, connector(inner)	BL	BL	BL	BL	BL
84	Silvery metal pin, connector(inner)	BL	BL	BL	BL	NA
85	Silvery metal cover(inner)	BL	BL	BL	X	NA
86	Golden printed black plastic sheet(inner)	BL	BL	BL	BL	BL
87	Silvery metal spring(inner)	BL	BL	BL	BL	NA
88	Silvery metal pin(inner)	BL	BL	BL	BL	NA
89	Black grey plastic(inner)	BL	BL	BL	BL	BL
90	White printed green plastic film, electrolytic capacitor(inner)	BL	BL	BL	BL	BL
91	Black soft plastic, electrolytic capacitor(inner)	BL	BL	BL	BL	BL
92	Silvery metal shell, electrolytic capacitor(inner)	BL	BL	BL	BL	NA
93	Brown paper, electrolytic capacitor(inner)	BL	BL	BL	BL	BL
94	Silvery grey metal foil , electrolytic capacitor(inner)	BL	BL	BL	BL	NA
95	Grey metal foil , electrolytic capacitor(inner)	BL	BL	BL	BL	NA
96	Silvery metal pin, electrolytic capacitor(inner)	BL	BL	BL	BL	NA

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Report No.: 1002002220R001
Date: Aug.15, 2023

TEST RESULTS

Seq. No.	Tested Part(s)	Result(s)				
		Pb	Cd	Hg	Cr	Br
97	Yellow body, LED(inner)	BL	BL	BL	BL	X
98	Black plastic, button (Inner)	BL	BL	BL	BL	BL
99	Silvery metal shell, button (Inner)	BL	BL	BL	BL	NA
100	Silvery metal plate, button (Inner)	BL	BL	BL	X	NA
101	Silvery metal spring plate, button (Inner)	BL	BL	BL	X	NA
102	Silvery metal wafer, button (Inner)	BL	BL	BL	BL	NA
103	Silvery metal, pin & base of button (Inner)	BL	BL	BL	BL	NA
104	Green plastic, button (Inner)	BL	BL	BL	BL	BL
105	Green PCB, (Inner)	BL	BL	BL	BL	BL
106	Silvery metal solder (Main PCB & recharge PCB) (Inner)	BL	BL	BL	BL	NA
107	Silvery metal, microphone (Inner)	BL	BL	BL	BL	NA
108	Green / white printed brown PCB, microphone (Inner)	BL	BL	BL	BL	BL
109	Silvery metal sheet, microphone (Inner)	BL	BL	BL	BL	NA
110	White plastic, microphone (Inner)	BL	BL	BL	BL	BL
111	Translucent plastic, LED(Inner)	BL	BL	BL	BL	BL
112	Black plastic, LED(Inner)	BL	BL	BL	BL	BL
113	Silvery metal, LED(Inner)	BL	BL	BL	X	NA
114	Silvery metal , connector(inner)	BL	BL	BL	X	NA
115	Black grey plastic, connector(inner)	BL	BL	BL	BL	BL
116	Golden metal , connector(inner)	BL	BL	BL	BL	NA
117	Black paper, Speaker(Inner)	BL	BL	BL	BL	BL
118	Yellow textile, Coil of speaker (Inner)	BL	BL	BL	BL	BL
119	Coppery metal, Coil of speaker (Inner)	BL	BL	BL	BL	NA
120	Creamy paper, Coil of speaker (Inner)	BL	BL	BL	BL	BL
121	Silvery metal body, Speaker(Inner)	BL	BL	BL	BL	BL
122	Silvery metal board, Speaker (Inner)	BL	BL	BL	X	NA
123	Silvery metal plate, Speaker (Inner)	BL	BL	BL	X	NA
124	Black metal magnet, Speaker (Inner)	BL	BL	BL	BL	BL
125	White paper, Speaker (Inner)	BL	BL	BL	BL	BL
126	Silvery metal nail, Speaker(Inner)	BL	BL	BL	BL	NA
127	Black plastic, (Inner)	BL	BL	BL	BL	BL
128	Silvery plastic film with adhesive(inner)	BL	BL	BL	BL	BL
129	Black PCB board(inner)	BL	BL	BL	BL	X
130	Transparent plastic, LED(Inner)	BL	BL	BL	BL	X
131	Silvery metal, LED(Inner)	BL	BL	BL	BL	NA
132	Nude coating(inner)	BL	BL	BL	BL	BL

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Supersede Previous Report, Report Number 1002019685

BTL Diffusion

16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002002220R001

Date: Aug.15, 2023

TEST RESULTS

(1) Results were obtained by XRF for primary screening, and further chemical testing by ICP (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC-MS (for PBBs, PBDEs) are recommended to be performed, if the concentration exceeds the below warning value according to IEC 62321-3-1:2013.

Element	Unit	Non-metal	Metal	Composite Material
Cd	mg/kg	$BL \leq 70-3\sigma < X < 130+3\sigma \leq OL$	$BL \leq 70-3\sigma < X < 130+3\sigma \leq OL$	$LOD < X < 150+3\sigma \leq OL$
Pb	mg/kg	$BL \leq 700-3\sigma < X < 1300+3\sigma \leq OL$	$BL \leq 700-3\sigma < X < 1300+3\sigma \leq OL$	$BL \leq 500-3\sigma < X < 1500+3\sigma \leq OL$
Hg	mg/kg	$BL \leq 700-3\sigma < X < 1300+3\sigma \leq OL$	$BL \leq 700-3\sigma < X < 1300+3\sigma \leq OL$	$BL \leq 500-3\sigma < X < 1500+3\sigma \leq OL$
Cr	mg/kg	$BL \leq 700-3\sigma < X$	$BL \leq 700-3\sigma < X$	$BL \leq 500-3\sigma < X$
Br	mg/kg	$BL \leq 300-3\sigma < X$	--	$BL \leq 250-3\sigma < X$

Note:

- BL= Below Limit
- OL= Over Limit
- X = Inconclusive
- NA=Not Applicable

#=As claimed by the material declaration submitted by the client, the material of the sample No.79 is ceramic and glass. And according to RoHS directive 2011/65/EU and its amendments, Lead is exempted in 7(c)-I Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors (piezoelectronic devices) or in a glass or ceramic matrix compound.

(2) The XRF screening test for RoHS elements – The reading may be different to the actual content in the sample(s) be of non-uniformity composition.

(3) The maximum permissible limit is quoted from the document 2011/65/EU and its amendment.

RoHS Restricted Substances	Maximum Concentration Value (mg/kg) (by weight in homogenous materials)
Cadmium (Cd)	100
Lead (Pb)	1000
Mercury (Hg)	1000
Hexavalent Chromium (Cr(VI))	1000
Polybrominated biphenyls (PBBs)	1000
Polybrominate ddiphenylethers (PBDEs)	1000

Disclaimers

This XRF Screening report is for reference purposes only. The applicant shall make its/his/her own judgment as to whether the information provided in this XRF screening report is sufficient for its/his/her purposes.

The result shown in this XRF screening report will differ based on various factors, including but not limited to, the sample(s) size, thickness, area, surface flatness, equipment parameters and matrix effect (e.g. plastic, rubber, metal, glass, ceramic etc.). Further wet chemical pre-treatment with relevant chemical equipment analysis are required to obtain quantitative data.

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Report No.: 1002002220R001

Date: Aug.15, 2023

TEST RESULTS

The Test Results of Chemical Method

Total Lead content

Test Method: IEC 62321-5:2013

Test Instrument: Atomic Absorption Spectrophotometer (AAS)

Test item(s)	Unit	MDL	RoHS Limit	Result(s)		
				18	19	23
Lead (Pb)	mg/kg	10	1000	Negative	Negative	Negative

*= As claimed by the material declaration submitted by the client, the material of the sample No.68 is copper alloy. And according to RoHS directive 2011/65/EU and its amendments Annex III n.6(c), Lead is exempted as an alloying element in Copper containing up to 4% (40000ppm) by weight

Hexavalent Chromium content

Test Method: IEC 62321-7-1:2015

Test Instrument: Ultraviolet and Visible Spectrophotometer(UV-Vis)

Test item(s)	Unit	MDL	RoHS Limit	Result(s)		
				30	49	63
Chromium (VI)	µg/cm ²	0.10	See Remark	Negative	Negative	Negative

Test item(s)	Unit	MDL	RoHS Limit	Result(s)		
				71	85	100
Chromium (VI)	µg/cm ²	0.10	See Remark	Negative	Negative	Negative

Test item(s)	Unit	MDL	RoHS Limit	Result(s)		
				101	113	114
Chromium (VI)	µg/cm ²	0.10	See Remark	Negative	Negative	Negative

Test item(s)	Unit	MDL	RoHS Limit	Result(s)		
				18	19	23
Chromium (VI)	µg/cm ²	0.10	See Remark	Negative	Negative	Negative

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Report No.: 1002002220R001
Date: Aug.15, 2023

TEST RESULTS

Test item(s)	Unit	MDL	RoHS Limit	Result(s)	
				122	123
Chromium (VI)	µg/cm ²	0.10	See Remark	Negative	Negative

Remark:

Sample Cr(VI) concentration (µg/cm ²)	Result(s)
< 0.10	Negative- The Cr(VI) concentration is below the limit of quantification. The coating is considered a non-Cr(VI) based coating.
0.10 – 0.13	Inconclusive- Unavoidable coating variations may influence the determination.
> 0.13	Positive- The Cr(VI) concentration is above the limit of quantification and the statistical margin of error. The sample coating is considered to contain Cr(VI).

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SZ-FAF-001 (2023-06-08)



TEST REPORT

Supersede Previous Report, Report Number 1002019685

BTL Diffusion

16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002002220R001

Date: Aug.15, 2023

TEST RESULTS

PBBs&PBDEs content

Test Method: IEC 62321-6: 2015

Test Instrument: Gas Chromatography-Mass Spectrometer(GC-MS)

Test item(s)	Unit	MDL	Limit	Result(s)		
				22	52	62
Monobromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.
Dibromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.
Tribromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.
Tetrabromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.
Pentabromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.
Hexabromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.
Heptabromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.
Octabromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.
Nonabromodiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.
Decabromodiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.
Sum of PBBs	mg/kg	/	1000	N.D.	N.D.	N.D.
Monobromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.
Dibromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.
Tribromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.
Tetrabromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.
Pentabromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.
Hexabromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.
Heptabromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.
Octabromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.
Nonabromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.
Decabromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.
Sum of PBDEs	mg/kg	/	1000	N.D.	N.D.	N.D.

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SZ-FAF-001 (2023-06-08)



TEST REPORT

Supersede Previous Report, Report Number 1002019685

BTL Diffusion
16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002002220R001
Date: Aug.15, 2023

TEST RESULTS

Test item(s)	Unit	MDL	Limit	Result(s)		
				97	129	130
Monobromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.
Dibromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.
Tribromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.
Tetrabromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.
Pentabromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.
Hexabromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.
Heptabromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.
Octabromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.
Nonabromodiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.
Decabromodiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.
Sum of PBBs	mg/kg	/	1000	N.D.	N.D.	N.D.
Monobromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.
Dibromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.
Tribromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.
Tetrabromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.
Pentabromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.
Hexabromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.
Heptabromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.
Octabromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.
Nonabromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.
Decabromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.
Sum of PBDEs	mg/kg	/	1000	N.D.	N.D.	N.D.

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TEST REPORT

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BTL Diffusion
16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002002220R001
Date: Aug.15, 2023

TEST RESULTS

22. Phthalates content - Directive 2011/65/EU (RoHS) & its amendment Directive (EU) 2015/863.

Test Method IEC 62321-8: 2017

Test Instrument Gas Chromatography-Mass Spectrometer(GC-MS)

Test item(s)	Unit	MDL	RoHS Limit	Result(s)		
				1+3+7	2+5+6	8
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Diisobutyl Phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	RoHS Limit	Result(s)		
				11	12+13+14	15+16+17
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.	68	N.D.
Diisobutyl Phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.	62

Test item(s)	Unit	MDL	RoHS Limit	Result(s)		
				21+45+47	22+51+52	26+27+32
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.	75
Diisobutyl Phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.	N.D.

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TEST REPORT

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BTL Diffusion

16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002002220R001

Date: Aug.15, 2023

TEST RESULTS

Test item(s)	Unit	MDL	RoHS Limit	Result(s)		
				31	33+34+35	36+37+38
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Diisobutyl Phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	RoHS Limit	Result(s)		
				39+40+41	42+43	46+74
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Diisobutyl Phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	RoHS Limit	Result(s)		
				55	56+61+64	62+70+105
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Diisobutyl Phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	RoHS Limit	Result(s)		
				65+69+83	86+89+90	91
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Diisobutyl Phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.	N.D.

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BTL Diffusion
16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002002220R001
Date: Aug.15, 2023

TEST RESULTS

Test item(s)	Unit	MDL	RoHS Limit	Result(s)		
				98+104+110	108+129	111+112+127
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.	N.D.
Diisobutyl Phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	RoHS Limit	Result(s)	
				128+130	132
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.
Diisobutyl Phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.

23. TCEP, TCPP, TDCP content - Directive (EU) 2009/48/EC & its amendment Directive 2014/79/EU

Test Method: In-house method

Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

Test item(s)	Unit	MDL	Limit	Result(s)	
				1+3	2+4
Tris(2-chloroethyl) phosphate (TCEP)	mg/kg	0.5	5	N.D.	N.D.
Tris-(2-chloroisopropyl) phosphate (TCPP)	mg/kg	0.5	5	N.D.	N.D.
Tris(1,3-dichloroisopropyl)phosphate(TDCP)	mg/kg	0.5	5	N.D.	N.D.

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SZ-FAF-001 (2023-06-08)



TEST REPORT

Supersede Previous Report, Report Number 1002019685

BTL Diffusion

16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002002220R001

Date: Aug.15, 2023

TEST RESULTS

24. Phthalates content

Test Method: With reference to CPSC-CH-C1001-09.4

Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

Test item(s)	CAS No.	Unit	MDL	Client Limit	Result(s)	
					1+3+7	2+5+6
Benzyl butyl phthalate(BBP)	85-68-7	mg/kg	50	1000	N.D.	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.	N.D.
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D.	N.D.
Diisobutyl phthalate(DIBP)	84-69-5	mg/kg	50	1000	N.D.	N.D.
Di(2-methoxyethyl) phthalate (DMEP)	117-82-8	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear(DPP)	131-18-0	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	mg/kg	50	1000	N.D.	N.D.
n-Pentyl –isopentylphthalate(nPIPP)	776297-69-9	mg/kg	50	1000	N.D.	N.D.
Diisopentyl phthalate(DIPP)	605-50-5	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dipentylester branched and linear	84777-06-0	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	mg/kg	50	1000	N.D.	N.D.
Di-n-hexyl Phthalate(DHP)	84-75-3	mg/kg	50	1000	N.D.	N.D.
1,2-benzenedicarboxylic acid, diC6-10-alkyl esters or mixed decyl and hexyl and octyl diesters with ≥0.3% of dihexyl phthalate (EC No.201-559-5)	68515-51-5 68648-93-1	mg/kg	50	1000	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	28553-12-0	mg/kg	50	1000	N.D.	N.D.
Diisodecyl Phthalate (DIDP)	26761-40-0	mg/kg	50	1000	N.D.	N.D.
Di-n-octyl Phthalate(DNOP)	117-84-0	mg/kg	50	1000	N.D.	N.D.
Diethyl Phthalate(DEP)	84-66-2	mg/kg	50	1000	N.D.	N.D.
Dicyclohexyl phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.

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TEST REPORT

Supersede Previous Report, Report Number 1002019685

BTL Diffusion

16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002002220R001

Date: Aug.15, 2023

TEST RESULTS

Test item(s)	CAS No.	Unit	MDL	Client Limit	Result(s)	
					26+27+32	31
Benzyl butyl phthalate(BBP)	85-68-7	mg/kg	50	1000	N.D.	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.	N.D.
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	mg/kg	50	1000	75	N.D.
Diisobutyl phthalate(DIBP)	84-69-5	mg/kg	50	1000	N.D.	N.D.
Di(2-methoxyethy) phthalate (DMEP)	117-82-8	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear(DPP)	131-18-0	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	mg/kg	50	1000	N.D.	N.D.
n-Pentyl –isopentylphthalate(nPiPP)	776297-69-9	mg/kg	50	1000	N.D.	N.D.
Diisopentyl phthalate(DIPP)	605-50-5	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dipentylester branched and linear	84777-06-0	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	mg/kg	50	1000	N.D.	N.D.
Di-n-hexyl Phthalate(DHP)	84-75-3	mg/kg	50	1000	N.D.	N.D.
1,2-benzenedicarboxylic acid, diC6-10-alkyl esters or mixed decyl and hexyl and octyl diesters with ≥0.3% of dihexyl phthalate (EC No.201-559-5)	68515-51-5 68648-93-1	mg/kg	50	1000	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	28553-12-0	mg/kg	50	1000	N.D.	N.D.
Diisodecyl Phthalate (DIDP)	26761-40-0	mg/kg	50	1000	N.D.	N.D.
Di-n-octyl Phthalate(DNOP)	117-84-0	mg/kg	50	1000	N.D.	N.D.
Diethyl Phthalate(DEP)	84-66-2	mg/kg	50	1000	N.D.	N.D.
Dicyclohexyl phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.

***** Page 43 of 57 *****

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SZ-FAF-001 (2023-06-08)

UL VS Shanghai Limited Shenzhen Branch
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Xixiang Subdistrict, Bao'an District, Shenzhen, P.R.China Post Code 518126

优力胜邦质量检测(上海)有限公司深圳分公司
广东省深圳市宝安区航城大道1号中德欧产业园B栋3-7, 9-10楼 邮编: 518126
电话(T): 755-81202888 / 网址(W): W: ul.com



TEST REPORT

Supersede Previous Report, Report Number 1002019685

BTL Diffusion

16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002002220R001

Date: Aug.15, 2023

TEST RESULTS

Test item(s)	CAS No.	Unit	MDL	Client Limit	Result(s)	
					33+34+35	36+37+38
Benzyl butyl phthalate(BBP)	85-68-7	mg/kg	50	1000	N.D.	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.	N.D.
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D.	N.D.
Diisobutyl phthalate(DIBP)	84-69-5	mg/kg	50	1000	N.D.	N.D.
Di(2-methoxyethy) phthalate (DMEP)	117-82-8	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear(DPP)	131-18-0	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	mg/kg	50	1000	N.D.	N.D.
n-Pentyl –isopentylphthalate(nPiPP)	776297-69-9	mg/kg	50	1000	N.D.	N.D.
Diisopentyl phthalate(DIPP)	605-50-5	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dipentylester branched and linear	84777-06-0	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	mg/kg	50	1000	N.D.	N.D.
Di-n-hexyl Phthalate(DHP)	84-75-3	mg/kg	50	1000	N.D.	N.D.
1,2-benzenedicarboxylic acid, diC6-10-alkyl esters or mixed decyl and hexyl and octyl diesters with ≥0.3% of dihexyl phthalate (EC No.201-559-5)	68515-51-5 68648-93-1	mg/kg	50	1000	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	28553-12-0	mg/kg	50	1000	N.D.	N.D.
Diisodecyl Phthalate (DIDP)	26761-40-0	mg/kg	50	1000	N.D.	N.D.
Di-n-octyl Phthalate(DNOP)	117-84-0	mg/kg	50	1000	N.D.	N.D.
Diethyl Phthalate(DEP)	84-66-2	mg/kg	50	1000	N.D.	N.D.
Dicyclohexyl phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.

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SZ-FAF-001 (2023-06-08)



TEST REPORT

Supersede Previous Report, Report Number 1002019685

BTL Diffusion

16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002002220R001

Date: Aug.15, 2023

TEST RESULTS

Test item(s)	CAS No.	Unit	MDL	Client Limit	Result(s)	
					39+40+41	42+43
Benzyl butyl phthalate(BBP)	85-68-7	mg/kg	50	1000	N.D.	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.	N.D.
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D.	N.D.
Diisobutyl phthalate(DIBP)	84-69-5	mg/kg	50	1000	N.D.	N.D.
Di(2-methoxyethyl) phthalate (DMEP)	117-82-8	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear(DPP)	131-18-0	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	mg/kg	50	1000	N.D.	N.D.
n-Pentyl –isopentylphthalate(nPiPP)	776297-69-9	mg/kg	50	1000	N.D.	N.D.
Diisopentyl phthalate(DIPP)	605-50-5	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, dipentylester branched and linear	84777-06-0	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	mg/kg	50	1000	N.D.	N.D.
Di-n-hexyl Phthalate(DHP)	84-75-3	mg/kg	50	1000	N.D.	N.D.
1,2-benzenedicarboxylic acid, diC6-10-alkyl esters or mixed decyl and hexyl and octyl diesters with ≥0.3% of dihexyl phthalate (EC No.201-559-5)	68515-51-5 68648-93-1	mg/kg	50	1000	N.D.	N.D.
Di-iso-nonyl phthalate (DINP)	28553-12-0	mg/kg	50	1000	N.D.	N.D.
Diisodecyl Phthalate (DIDP)	26761-40-0	mg/kg	50	1000	N.D.	N.D.
Di-n-octyl Phthalate(DNOP)	117-84-0	mg/kg	50	1000	N.D.	N.D.
Diethyl Phthalate(DEP)	84-66-2	mg/kg	50	1000	N.D.	N.D.
Dicyclohexyl phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.

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SZ-FAF-001 (2023-06-08)



TEST REPORT

Supersede Previous Report, Report Number 1002019685

BTL Diffusion

16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002002220R001

Date: Aug.15, 2023

TEST RESULTS

Test item(s)	CAS No.	Unit	MDL	Client Limit	Result(s)
					91
Benzyl butyl phthalate(BBP)	85-68-7	mg/kg	50	1000	N.D.
Dibutyl phthalate (DBP)	84-74-2	mg/kg	50	1000	N.D.
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	mg/kg	50	1000	N.D.
Diisobutyl phthalate(DIBP)	84-69-5	mg/kg	50	1000	N.D.
Di(2-methoxyethyl) phthalate (DMEP)	117-82-8	mg/kg	50	1000	N.D.
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear(DPP)	131-18-0	mg/kg	50	1000	N.D.
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	mg/kg	50	1000	N.D.
n-Pentyl -isopentylphthalate(nPiPP)	776297-69-9	mg/kg	50	1000	N.D.
Diisopentyl phthalate(DIPP)	605-50-5	mg/kg	50	1000	N.D.
1,2-Benzenedicarboxylic acid, dipentylester branched and linear	84777-06-0	mg/kg	50	1000	N.D.
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	mg/kg	50	1000	N.D.
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	mg/kg	50	1000	N.D.
Di-n-hexyl Phthalate(DHP)	84-75-3	mg/kg	50	1000	N.D.
1,2-benzenedicarboxylic acid, diC6-10-alkyl esters or mixed decyl and hexyl and octyl diesters with ≥0.3% of dihexyl phthalate (EC No.201-559-5)	68515-51-5 68648-93-1	mg/kg	50	1000	N.D.
Di-iso-nonyl phthalate (DINP)	28553-12-0	mg/kg	50	1000	N.D.
Diisodecyl Phthalate (DIDP)	26761-40-0	mg/kg	50	1000	N.D.
Di-n-octyl Phthalate(DNOP)	117-84-0	mg/kg	50	1000	N.D.
Diethyl Phthalate(DEP)	84-66-2	mg/kg	50	1000	N.D.
Dicyclohexyl phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.

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TEST REPORT

Supersede Previous Report, Report Number 1002019685

BTL Diffusion

16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002002220R001

Date: Aug.15, 2023

TEST RESULTS

25. Organic tin content - Item 20 of Annex XVII of REACH Regulation (EC) 1907/2006

Test Method: With reference to ISO 17353: 2004

Test Instrument: Gas Chromatography-Mass Spectrometer (GC-MS)

Test item(s)	Unit	MDL	Limit	Result(s)
				1+3+4
Tributyltin (TBT)	mg/kg	10	Refer to Remark	N.D.
Triphenyltin (TPhT)	mg/kg	10		N.D.
Tripropyltin (TPT)	mg/kg	10		N.D.
Trioctyltin (TOT)	mg/kg	10		N.D.
Tricyclohexyltin (TcyT)	mg/kg	10		N.D.
Diocetyl (DOT)	mg/kg	10		N.D.
Dibutyltin (DBT)	mg/kg	10		N.D.

Remark:

Organostannic compounds Reference Information:Item 20 of Regulation(EC) No 552/2009 and No 276/2010 amending Annex XVII of REACH Regulation(EC) No 1907/2006:

- (a) Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture is acting as biocide in free association paint.
- (b) Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture acts as biocide to prevent the fouling by micro-organisms, plants or animals of:
 - (b-1) all craft irrespective of their length intended for use in marine, coastal, estuarine and inland waterways and lakes;
 - (b-2) cages, floats, nets and any other appliances or equipment used for fish or shellfish farming;
 - (b-3) any totally or partly submerged appliance or equipment.
- (c) Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture is intended for use in the treatment of industrial waters.
- (d) Tri-substituted organostannic compounds:
 - (d-1) Tri-substituted organostannic compounds such as tributyltin (TBT) compounds and triphenyltin (TPhT) compounds shall not be used after 1 July 2010 in articles where the concentration in the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin.
 - (d-2) Articles not complying with point (a) shall not be placed on the market after 1 July 2010, except for articles that were already in use in the Community before that date.
- (e) DBT compounds shall not be used after 1 January 2012 in mixtures and articles for supply to the general public where the concentration in the mixture or the article, or part thereof, is greater than the equivalent of 0.1% by weight of tin; otherwise, articles and mixtures shall not be placed on the market.
- (f) DOT compounds shall not be used after 1 January 2012 in some textile, childcare article etc. for supply to, or use by, the general public, where the concentration in the article, or part thereof, is greater than the equivalent of 0.1% by weight of tin; otherwise, articles shall not be placed on the market.

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SZ-FAF-001 (2023-06-08)



TEST REPORT

Supersede Previous Report, Report Number 1002019685

BTL Diffusion

16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002002220R001

Date: Aug.15, 2023

TEST RESULTS

26. Lead, Cadmium, Mercury, Hexavalent Chromium content -94/62/EC and its amendment

Test Item(s)	Test Method	Test Instrument
Lead (Pb) and Cadmium (Cd)	IEC 62321-5:2013	AAS
Mercury (Hg)	IEC 62321-4:2013+A1: 2017	ICP - OES
Chromium (VI)(Cr ⁶⁺)	IEC 62321-7-2:2017	UV-VIS Spectrophotometer

Test item(s)	Unit	MDL	Limit	Result(s)				
				133	134	135	136	137
Lead (Pb)	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)	mg/kg	5	/	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.	N.D.
Hexavalent Chromium (Cr ⁶⁺)	mg/kg	2	/	N.D.	N.D.	N.D.	N.D.	N.D.
Total(Pb +Cd+Hg+Cr ⁶⁺)	mg/kg	/	100	N.D.	N.D.	N.D.	N.D.	N.D.

27. Lead, Cadmium, Mercury, Hexavalent Chromium content - TPCH

Test Item(s)	Test Method	Test Instrument
Lead (Pb) and Cadmium (Cd)	IEC 62321-5:2013	AAS
Mercury (Hg)	IEC 62321-4:2013+A1: 2017	ICP - OES
Chromium(VI)(Cr ⁶⁺)	IEC 62321-7-2:2017	UV-VIS Spectrophotometer

Test items(s)	Unit	MDL	Limit	Result(s)				
				133	134	135	136	137
Lead (Pb)	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)	mg/kg	5	/	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium(VI)(Cr ⁶⁺)	mg/kg	2	/	N.D.	N.D.	N.D.	N.D.	N.D.
Total(Pb +Cd+Hg+Cr ⁶⁺)	mg/kg	/	100	N.D.	N.D.	N.D.	N.D.	N.D.

Note:

- mg/kg=milligram per kilogram
- µg/cm² = Micrograms per square centimeter
- mg/L = milligram per liter
- N.D. =Not Detected (<MDL)
- MDL=Method Detection Limit
- N.A. = Not Applicable
- As specified by client, the mixed testing were conducted.
- As specified by client, only above test part(s) were analyzed.
- The soluble test results shown of item (3)& (4) & (5) are of the adjusted analytical results.
- Since the sample weight of the component 12~17 was less than 10 mg, soluble heavy metals content analysis were not applicable.

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SZ-FAF-001 (2023-06-08)



TEST REPORT

Supersede Previous Report, Report Number 1002019685

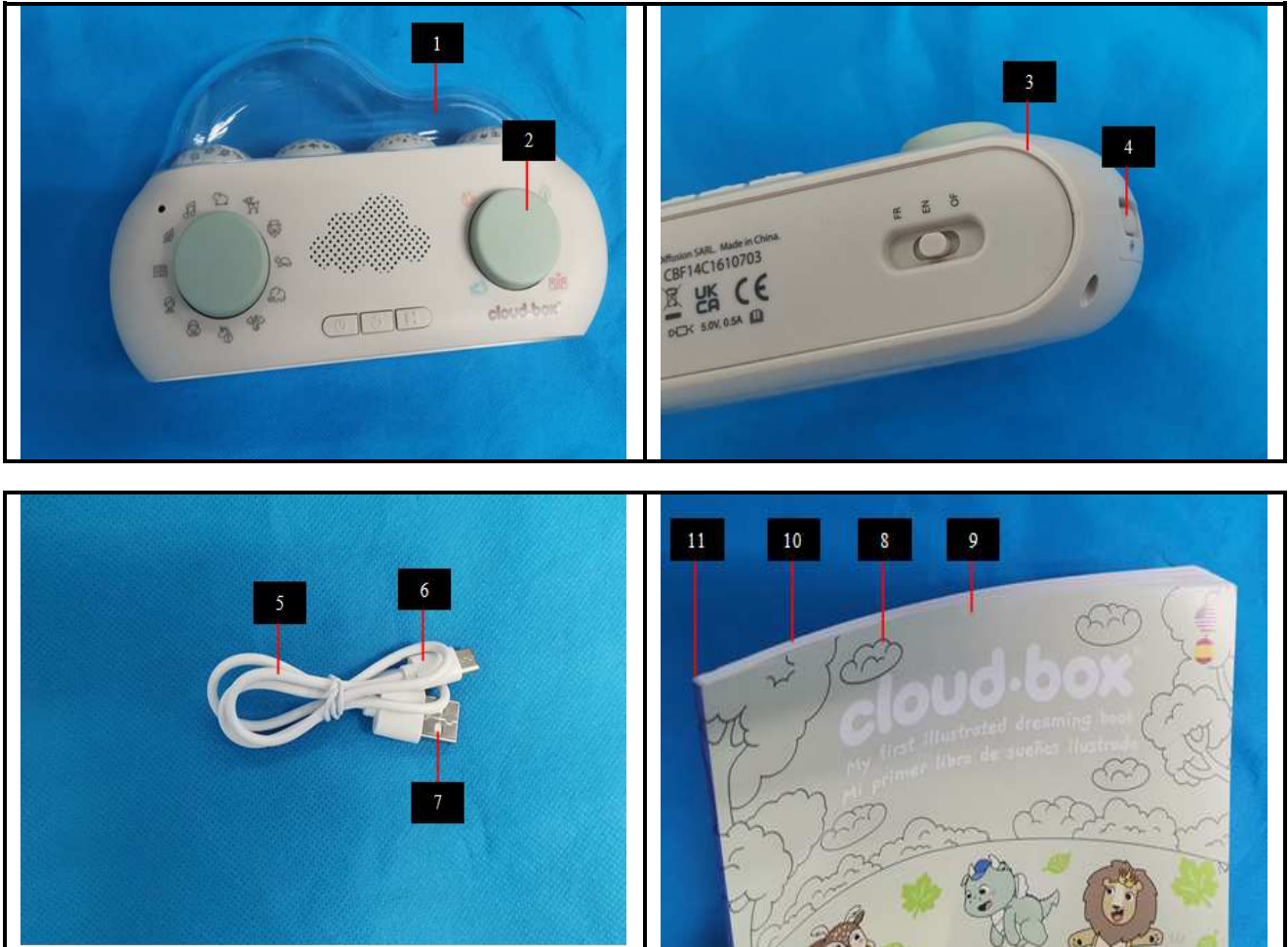
BTL Diffusion

16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002002220R001

Date: Aug.15, 2023

Photo(s) of specimen for reference



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SZ-FAF-001 (2023-06-08)



TEST REPORT

Supersede Previous Report, Report Number 1002019685

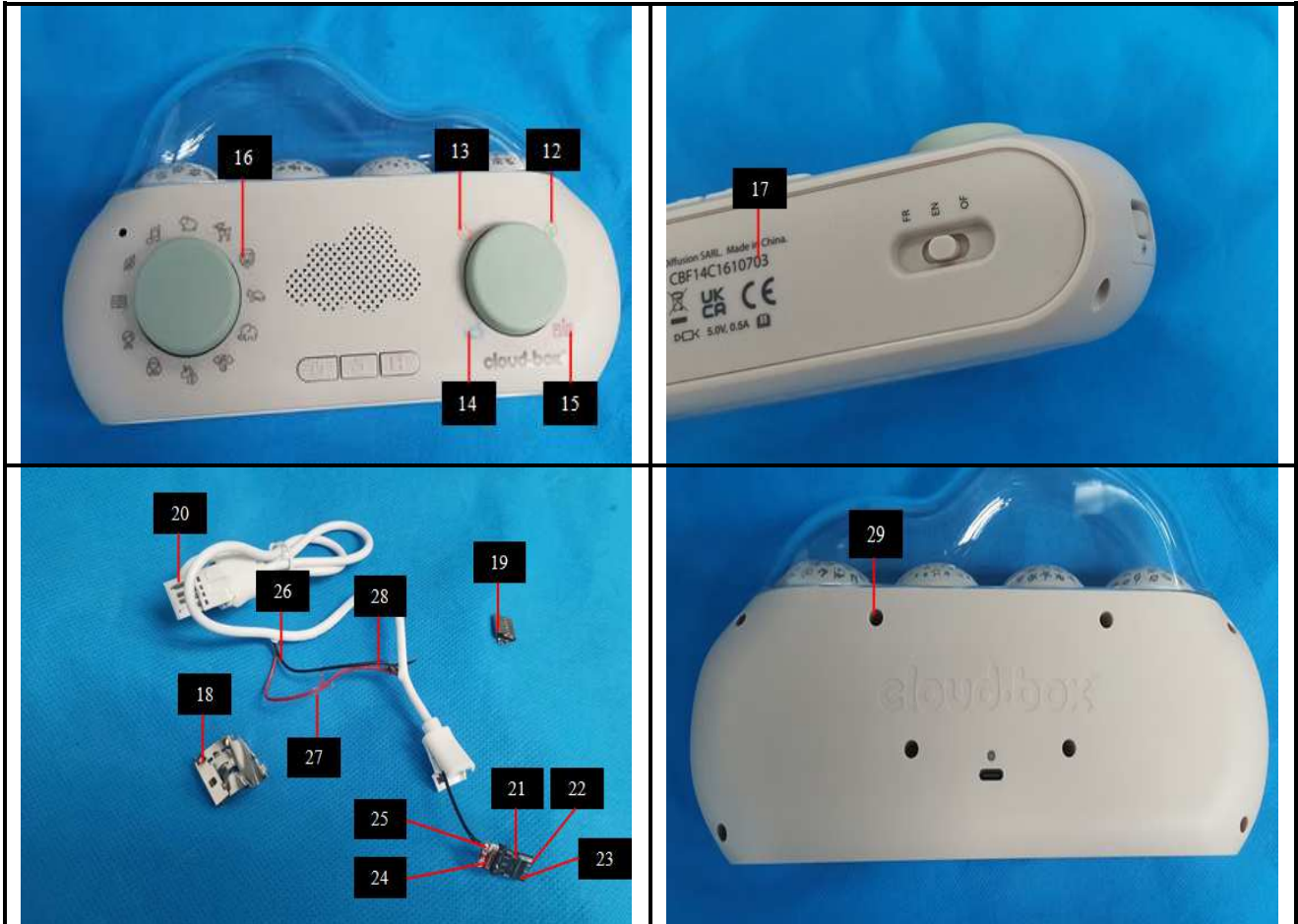
BTL Diffusion

16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1002002220R001

Date: Aug.15, 2023

Photo(s) of specimen for reference



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SZ-FAF-001 (2023-06-08)



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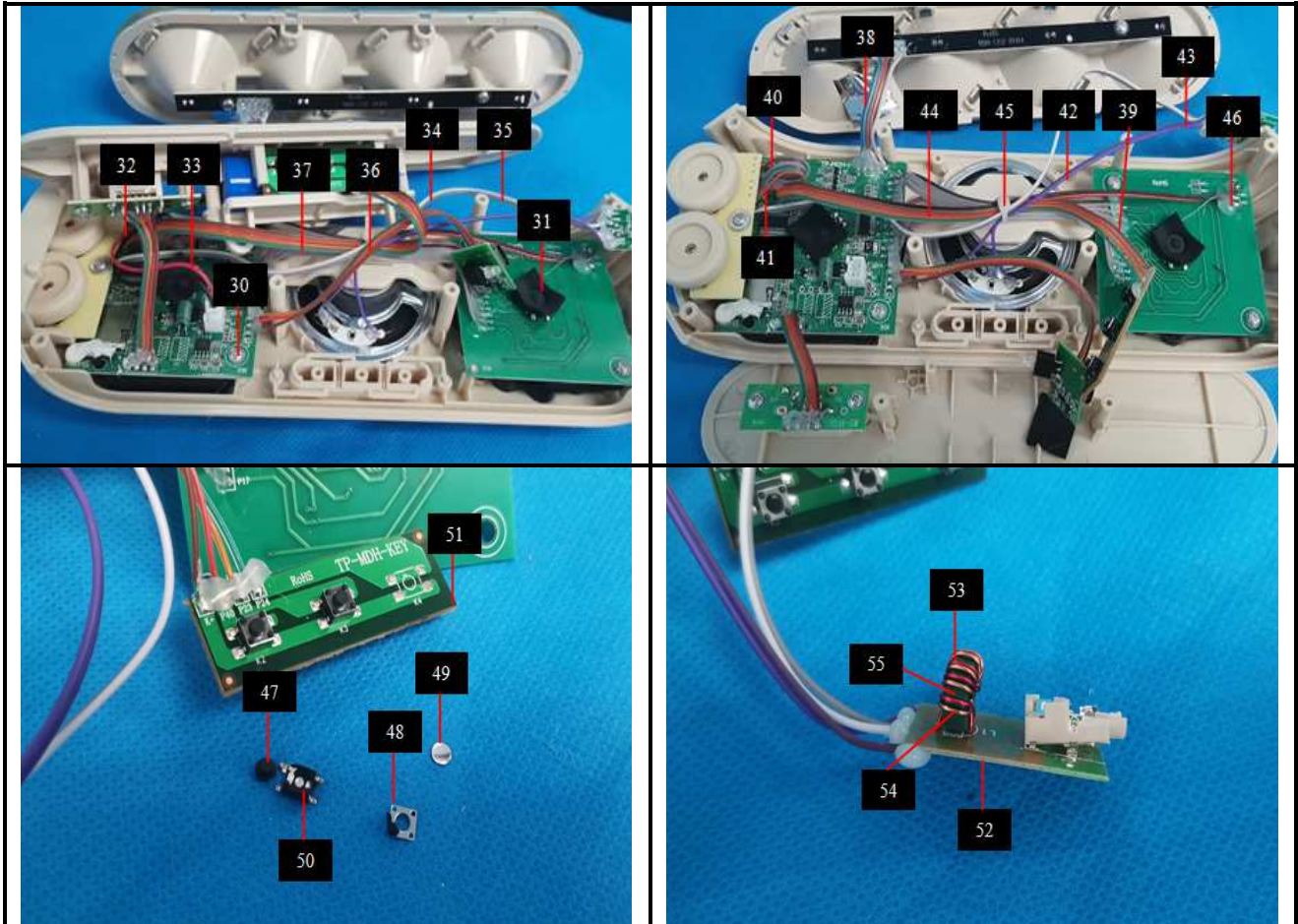
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***** Page 51 of 57 *****

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SZ-FAF-001 (2023-06-08)

UL VS Shanghai Limited Shenzhen Branch
3-7F, 9-10F Building B, Sino-German (Europe) Industrial Park, South side of Hangcheng Avenue,
Xixiang Subdistrict, Bao'an District, Shenzhen, P.R.China Post Code 518126

优力胜邦质量检测(上海)有限公司深圳分公司
广东省深圳市宝安区航城大道1号中德欧产业园B栋3-7, 9-10楼 邮编: 518126
电话(T): 755-81202888 / 网址(W): W: ul.com



TEST REPORT

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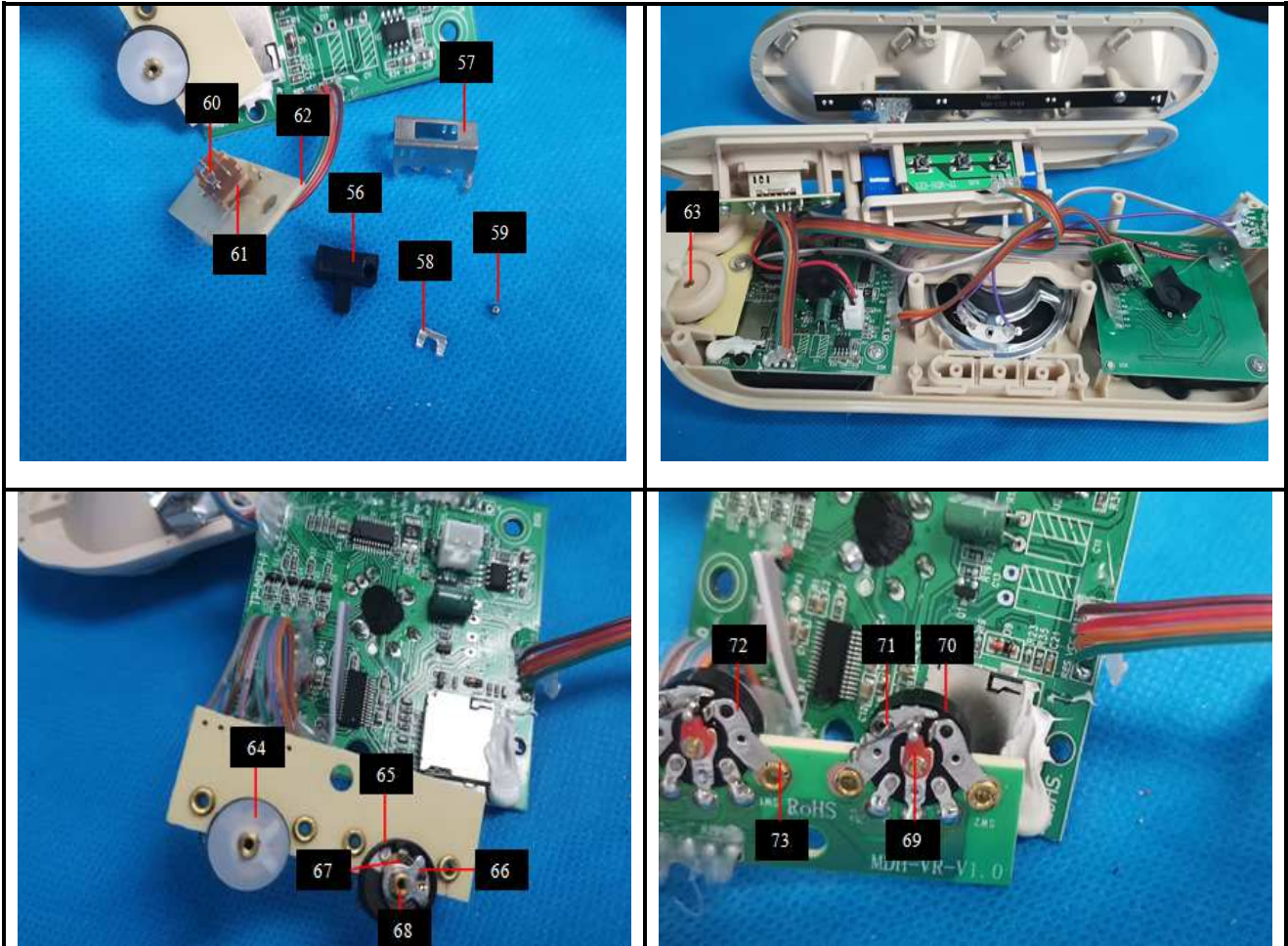
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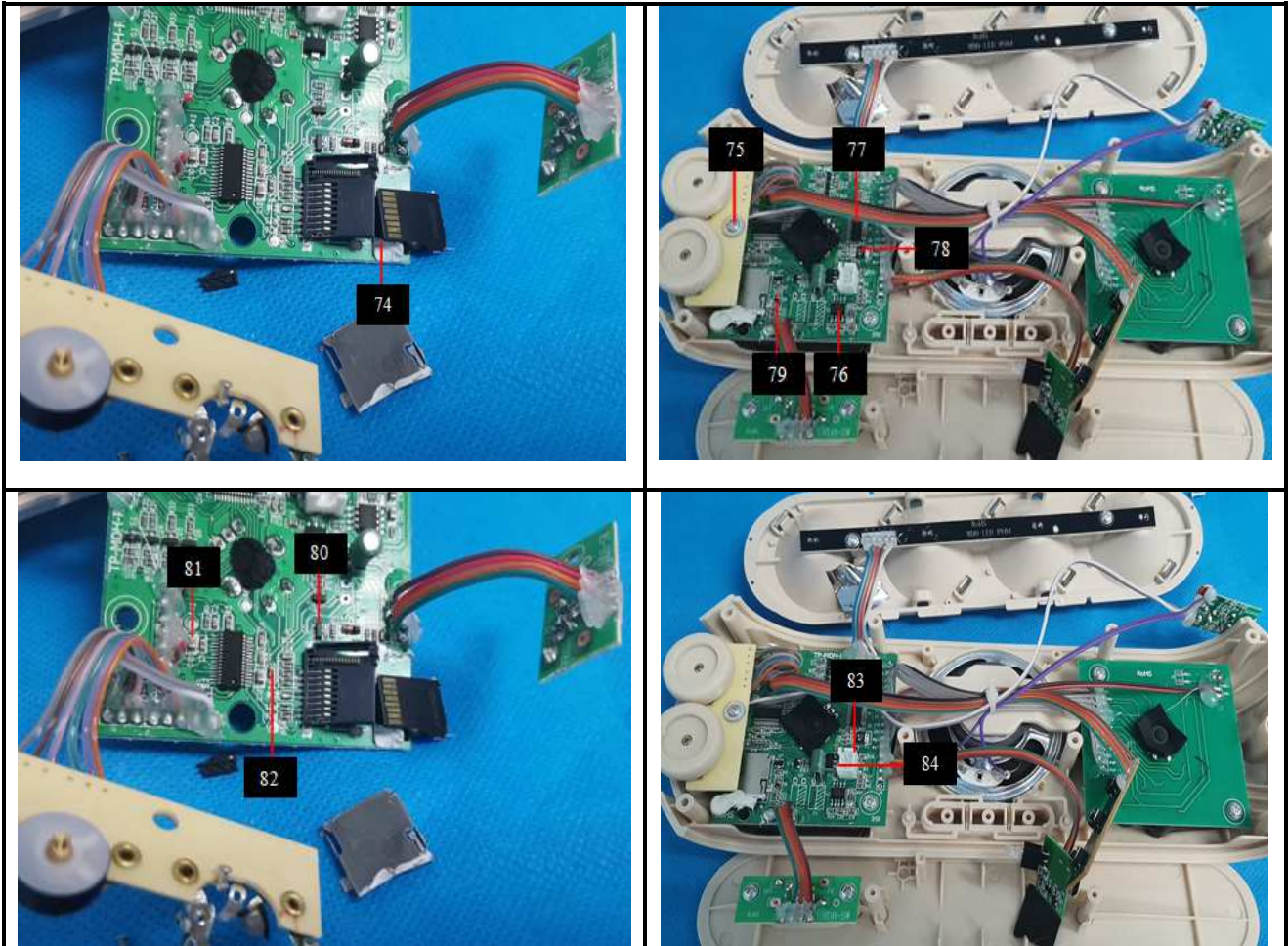
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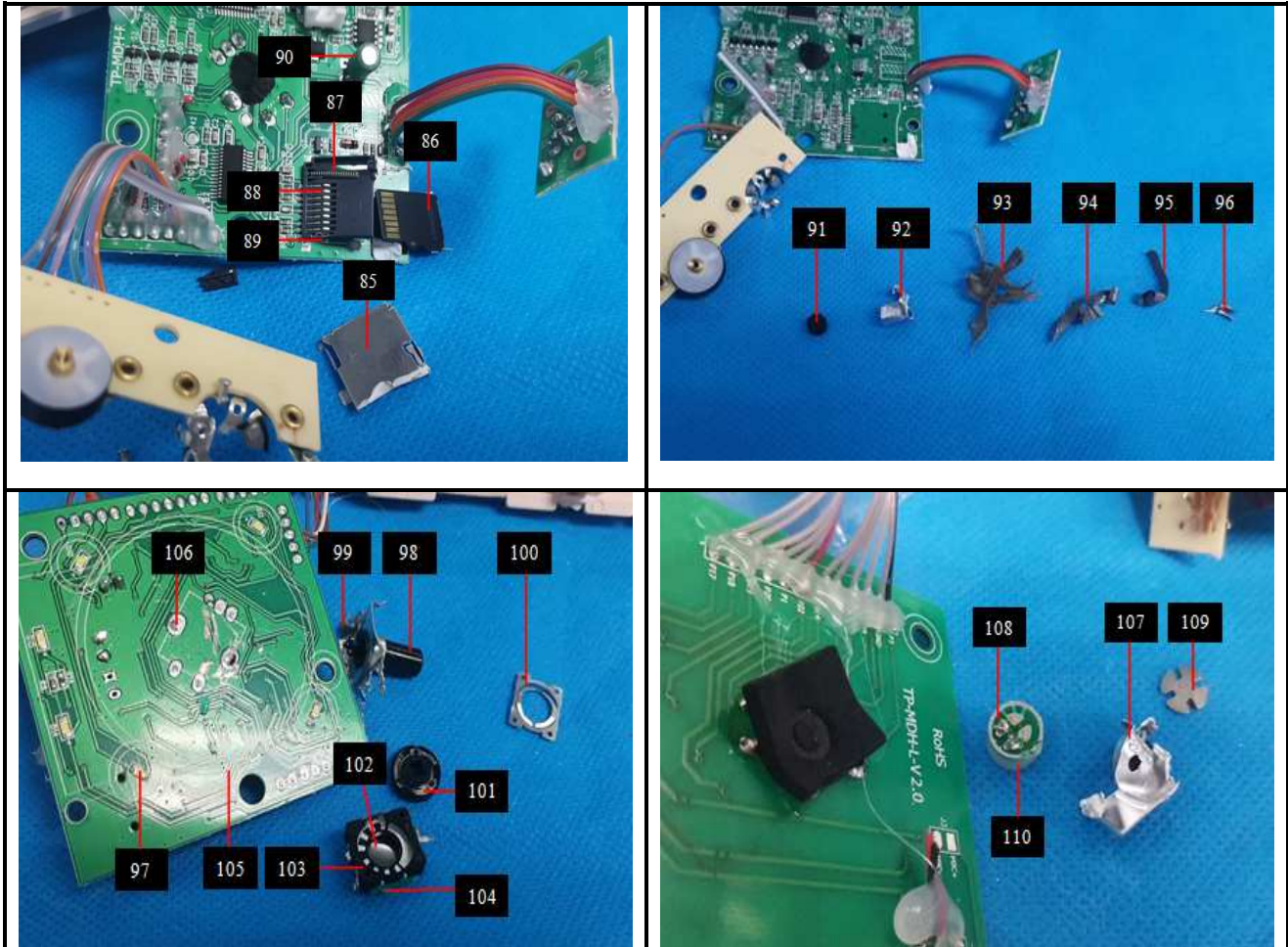
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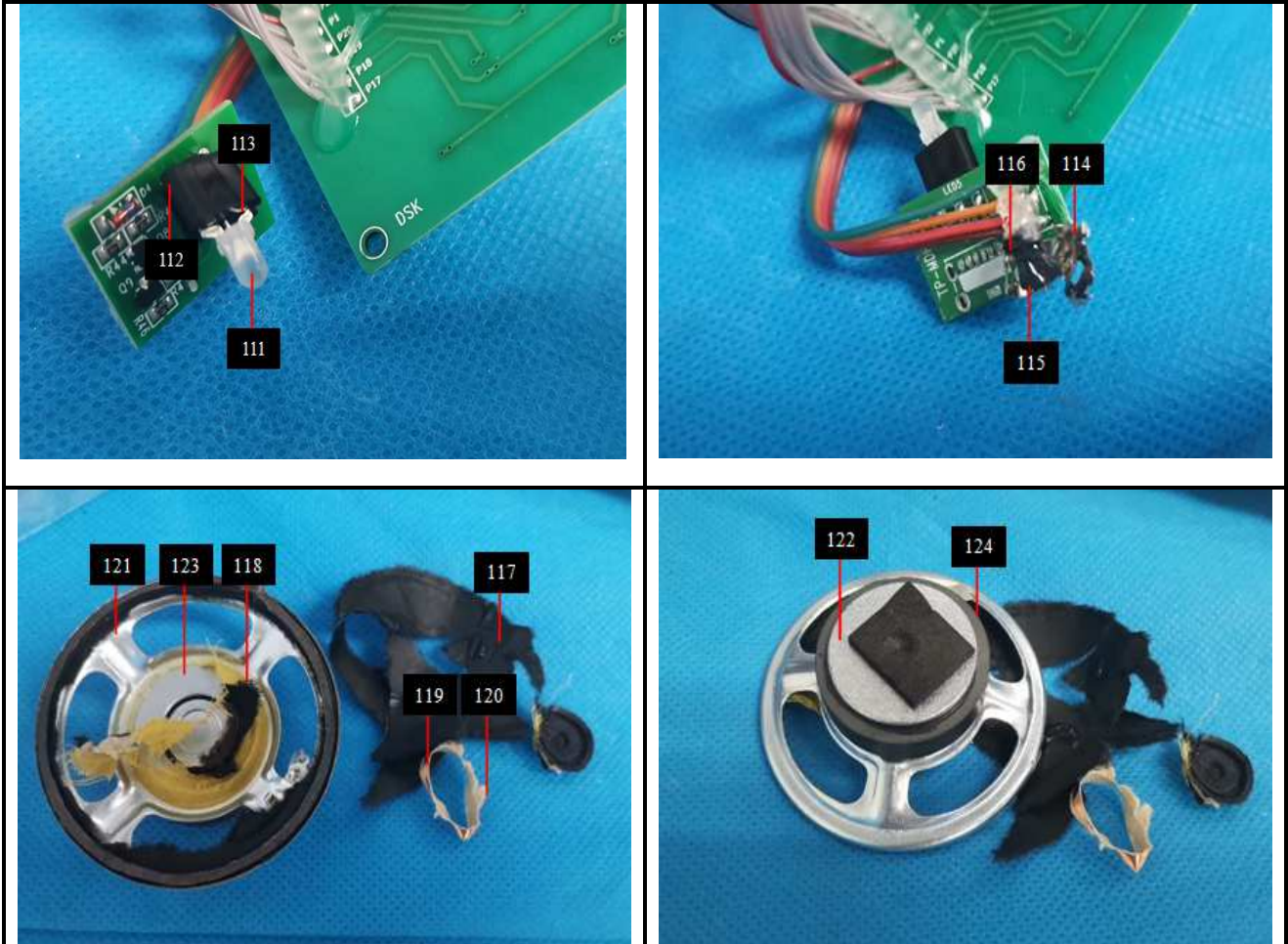
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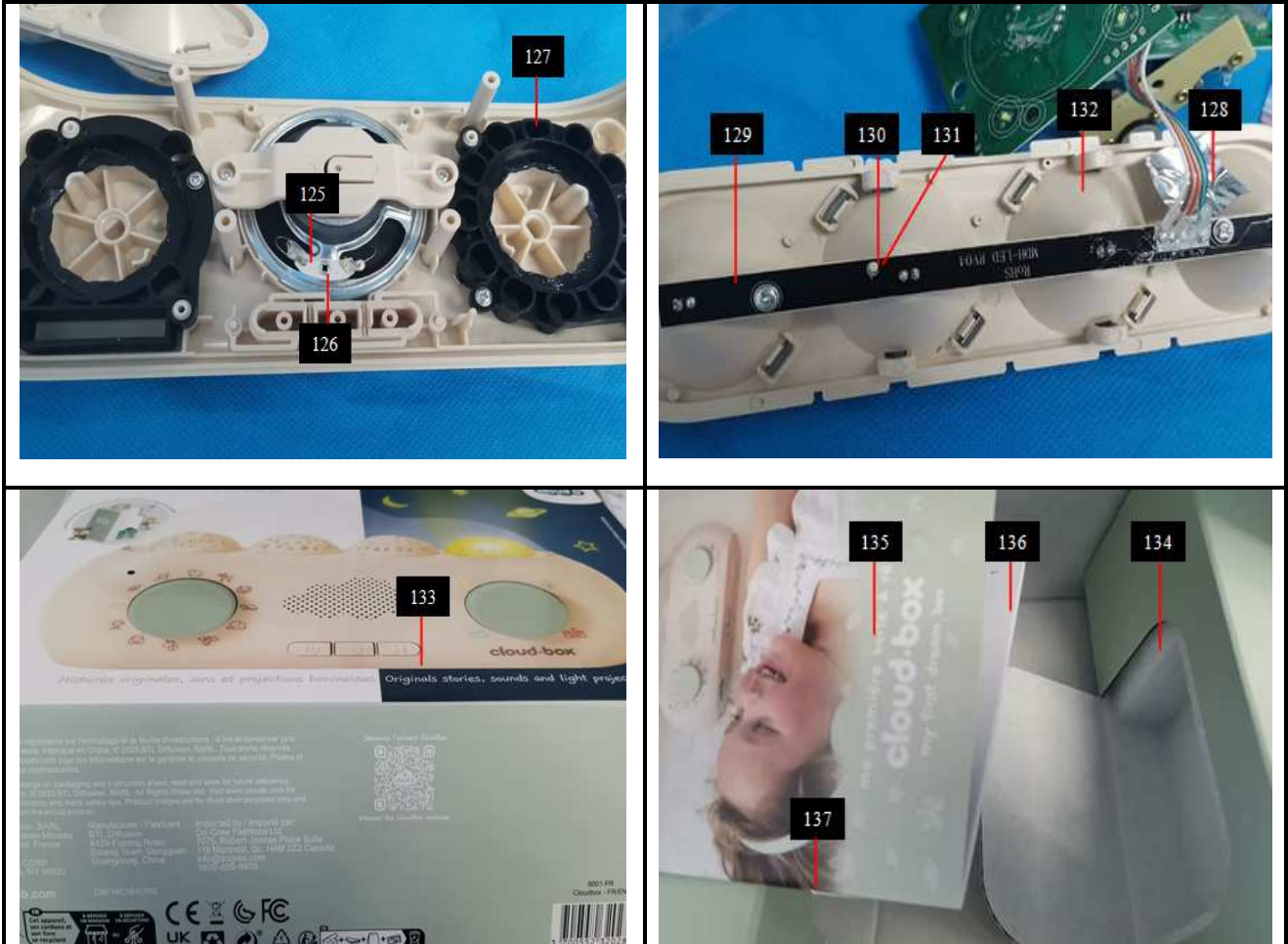
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PRODUCT PHOTOS:



***** THE END *****

***** Page 57 of 57 *****

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SZ-FAF-001 (2023-06-08)

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3-7F, 9-10F Building B, Sino-German (Europe) Industrial Park, South side of Hangcheng Avenue,
Xixiang Subdistrict, Bao'an District, Shenzhen, P.R.China Post Code 518126

优力胜邦质量检测(上海)有限公司深圳分公司
广东省深圳市宝安区航城大道1号中德歌产业园B栋3-7, 9-10楼 邮编: 518126
电话(T): 755-81202888 / 网址(W): ul.com

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- 2. Retailer Programs.** If you request us to test compliance with retailer, carrier or other third party program ("Retailer") by requesting Services under the Retailer's program, you consent to our disclosure of all associated information, materials, and deliverables to such Retailer and acknowledge that, notwithstanding any terms to the contrary in these Terms and Conditions, the ownership of the deliverables for the Services will be in accordance with the Retailer's program.
- 3. Payment Terms.** You will pay, without set off, our fees and related expenses in accordance with our then current pricing or as set out on the Quotation including the cost of all taxes, wire or transfer fees, duties, and other fiscal charges which become due on the quoted price and will indemnify us from and against liabilities, incurred as a result of failure to pay any such sums when they become due. We may charge interest at 1% per month (12% per year), or the maximum legal rate if less than 1.0% per month, from the due date until paid fully. You agree to pay reasonable collection costs, including attorneys' fees, if necessary, in the event of late or non-payment.
- 4. Your Requirements.** You are responsible for establishing or selecting all Your Requirements that we will use in performing the Services. We may provide you with assistance in developing Your Requirements that meet your needs, however, in all cases you must review and approve Your Requirements to be used in performing the Services.
- 5. Estimated Schedule and Price.** Any time schedule and pricing terms set forth in this Quotation are estimates only and subject to change upon reasonable notice from us depending upon the specific project.
- 6. On-Site Investigations.** If we perform Services on site at your facilities, or at the facilities of other parties as directed by you; you will ensure that our representatives have safe, secure, and free access to the facilities. Our access will not be conditioned upon the execution of any agreement, waiver, or release. If our representatives are prevented from performing or completing any Services for any reason beyond our reasonable control, we will not be responsible for the nonperformance, and you may be charged for any actual expenses we incur and fees for Services performed.
- 7. Deliverables.** We will provide you with a report outlining: (i) your instructions and request for Services accepted by us, (ii) Your Requirements used in providing the Services, (iii) the Services performed, and (iv) the results of those Services. We are under no obligation to refer to or report on any facts or circumstances which are outside your specific instructions received and accepted by us.
- 8. Our Findings.** We do not guarantee that our opinions or findings will be recognized or accepted by third parties.
- 9. Use of Names and Marks.** Except as otherwise authorized by us in writing, you will not use our name, abbreviation, symbols, marks, or the name of any of our subsidiaries, affiliates, or parent on any goods or their containers or packaging, or in connection with any advertising, promotions, or otherwise.
- 10. Cancellation Fees.** If you cancel or change a Quotation: (i) for an inspection after 3:00 PM of the working day before the scheduled inspection date, we will charge you the Quotation price plus any travel costs incurred before the cancellation; (ii) for testing after we receive the sample(s) at the testing facility, we will charge you cancellation fees according to the amount of actual work performed with a minimum cancellation fee of \$100 USD; or (iii) for a scheduled audit date, you will be responsible for all incurred non-refundable travel costs associate with that audit. Any change or cancellation of an audit that occurs within 7 days of the scheduled audit will be charged a \$600 USD fee in addition to any incurred travel costs.
- 11. No Warranty.** NO REPRESENTATION, WARRANTY, OR GUARANTEE, EXPRESS OR IMPLIED, IS INCLUDED IN THESE TERMS AND CONDITIONS, OR IN ANY QUOTATION, REPORT, OR OTHER DOCUMENT PROVIDED UNDER THESE TERMS AND CONDITIONS INCLUDING, BUT NOT LIMITED TO: (i) ANY "IMPLIED WARRANTY OF MERCHANTABILITY" OR "FITNESS FOR A PARTICULAR PURPOSE", (ii) NON INFRINGEMENT, AND (iii) THAT THE WEB SERVICES (AS DEFINED BELOW) WILL BE UNINTERRUPTED, TIMELY, SECURE, OR ERROR-FREE.
- 12. Your Information.** You represent and warrant that all information and data provided to us by you, or on your behalf ("Your Information"), is complete and accurate and may be relied upon to provide Services. In addition, you represent and warrant that all of Your Information is owned or licensed by you, and does not infringe on the intellectual property rights of any third party. If any information or data provided to us by you or on your behalf is either incomplete or inaccurate, we will not be liable in any manner for any deficiencies in the Services.
- 13. Ownership of Work Product.** You will own the test reports or other materials provided to you pursuant to any Quotation. We may retain a copy of the test reports and other materials for our archives and for creating reports for you and third parties, as required by you.
- 14. Web Services.** We may provide you with certain website tools and related services, including the ability to order services online through a website (collectively, the "Web Services"). The Web Services are provided to you as a convenience and are provided on an "as is, as available" basis. By using the Web Services, you acknowledge and agree that no data or content transmitted over our networks, the Internet, or wirelessly, or through or in connection with the Web Services, is guaranteed to be secure or free from unauthorized intrusion, and that data stored by us, our affiliates, or our service providers may be deleted, modified, or damaged. You acknowledge that if you wish to protect your transmission of data or files to us, it is your responsibility to use a secure encrypted connection to communicate with and use the Web Services. Your use of the Web Services is at your sole risk and is subject to any terms of use applicable to such Web Services. Web Services are included in the definition of Services above.
- 15. Confidentiality.** We will not disclose your information obtained in confidence ("Confidential Information") to third parties, except our subsidiaries, affiliates, or subcontractors, without your prior written authorization. Confidential Information will not include information: (a) already known to us, (b) publicly available, (c) subsequently acquired by us from other sources without a breach of these Terms and Conditions, (d) disclosure that is necessary to perform the Services, (e) required to be produced by law or government order, or accreditation authority, or (f) related to a product bearing a UL Mark that should be disclosed to us or our affiliates pursuant to another agreement with you.
- 16. Samples.** If we require sample examination, you will ship samples to us at your expense. Upon completion of testing, the samples will be destroyed, unless other arrangements are made for return of the samples at your expense. You acknowledge that testing and sample preparation may damage or destroy the sample(s), for which we will not be liable.
- 17. LIMITATION OF LIABILITY.** OUR LIABILITY FOR ANY CLAIMS FOR LOSS, DAMAGE, OR EXPENSE OF ANY NATURE AND HOWSOEVER ARISING INCLUDING WITHOUT LIMITATION CLAIMS FOR ANY BREACH OF CONTRACT AND/OR ANY FAILURE TO EXERCISE APPROPRIATE SKILL AND CARE BY US WILL UNDER NO CIRCUMSTANCE EXCEED THE FEES RECEIVED FOR THE SPECIFIC SERVICES WHICH GIVE RISE TO SUCH CLAIMS. UNDER NO CIRCUMSTANCE WILL WE HAVE ANY LIABILITY FOR ANY CLAIMS FOR INDIRECT, CONSEQUENTIAL, INCIDENTAL, SPECIAL, EXEMPLARY, OR PUNITIVE DAMAGES OF ANY NATURE WHATSOEVER, INCLUDING BUT NOT LIMITED TO: LOSS OF PROFITS, GOODWILL, USE, DATA, FUTURE BUSINESS, OR PRODUCTION; CANCELLATION OF CONTRACTS ENTERED INTO BY YOU; OR OTHER INTANGIBLE LOSSES (EVEN IF WE HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES). UNDER NO CIRCUMSTANCE WILL WE BE LIABLE TO YOU FOR ANY CLAIMS FOR LOSS, DAMAGE, OR EXPENSE UNLESS SUCH CLAIM IS BROUGHT UNDER SECTION 25 (DISPUTES) WITHIN TWELVE MONTHS AFTER THE DATE OF THE PERFORMANCE BY US OF THE SERVICES WHICH GIVE RISE TO THE CLAIM OR, IN THE EVENT OF ANY ALLEGED NON-PERFORMANCE, WITHIN TWELVE MONTHS OF THE DATE WHEN SUCH SERVICES SHOULD HAVE BEEN COMPLETED.
- 18. Indemnification.** You will defend, hold harmless, and indemnify us and our officers, directors, trustees, employees, agents, or subcontractors against all claims made by any third party for loss, damage, or expense arising out of these Terms and Conditions, including without limitation, the performance or non-performance of any Services or the Web Services.
- 19. Waiver.** Any failure by a party to insist upon the performance of any section of these Terms and Conditions will not constitute a waiver of any rights under these Terms and Conditions or future performance of that section.
- 20. No Third Party Beneficiaries.** The parties intend that no provisions of these Terms and Conditions will in any way bind or benefit any third party or the public at large and that no third party will have any rights or cause of action under these Terms and Conditions. In particular, in the event Singapore law governs these Terms and Conditions pursuant to Section 24 (Governing Law), a person or entity who is not a party to these Terms and Conditions will have no right under the Contracts (Rights of Third Parties) Act (Chapter 53B) to enforce any term of these Terms and Conditions, regardless of whether such person or entity has been identified by name, as a member of a class, or as answering a particular description.
- 21. No Assignment.** Neither party may assign any of its rights or obligations under these Terms and Conditions to any other person without the other party's written authorization. However, we may, upon written notice, assign our rights and obligations under these Terms and Conditions to any of our affiliates or subsidiaries.
- 22. Subcontracting.** We may use subcontractors for certain testing or other Services. All subcontractors will meet our current qualification requirements and will comply with our requirements for confidentiality, conflicts of interest, and ethical standards.
- 23. Termination and Notice.** These Terms and Conditions will continue in effect until terminated by either party upon thirty days written notice or, in the event of your breach of these Terms and Conditions, immediately upon receipt of written notice to you. You will pay those fees and expenses incurred by us prior to termination. Notice to either party may be made by hand delivery, courier service, mail, facsimile, or e-mail transmission at the receiving party's designated principal place of business. Notice to us must be sent both to: UL Verification Services Pte. Ltd, Attn: President, 1 Maritime Square, Harbour Front Centre, #11-03, Singapore 099253 with a copy to UL LLC, Attn.: General Counsel at 333 Pfingsten Road, Northbrook, Illinois 60062. Notice will be effective upon receipt.
- 24. Governing Law:** These Terms and Conditions will be governed and interpreted by the laws of the State of Illinois, United States of America, except if: (i) UL Contracting Party's principal place of business is Asia, Australia, or New Zealand, then Singapore law, and (ii) UL Contracting Party's principal place of business is Europe, then Swiss law, without reference to the applicable jurisdiction's choice of law principles.
- 25. Disputes.** Any dispute or disagreement, other than nonpayment of fees, relating to these Terms and Conditions or the Services, will be settled by confidential, binding arbitration administered by the International Centre for Dispute Resolution of the American Arbitration Association ("AAA") pursuant to the AAA Commercial Arbitration Rules and the Procedures for Large, Complex Commercial Disputes. The arbitration venue will be Chicago, Illinois, except if: (i) UL Contracting Party's principal place of business is in Europe, the venue will be Geneva, Switzerland, and (ii) UL Contracting Party's principal place of business is in Asia, Australia, or New Zealand, the venue will be Singapore, Republic of Singapore. The arbitration will be conducted before a panel of three (3) arbitrators. The arbitration panel will be selected as follows: the parties will request a list of ten (10) arbitrators drawn from the AAA's panel of commercial arbitrators (who are experienced in and familiar with the AAA's Procedures for Large, Complex Commercial Disputes). From this list, both parties will each choose one arbitrator. After they have been notified of their panel selection, the two (2) arbitrators will agree on a third arbitrator from the list of ten (10), who will be the chair of the panel, and the panel will be final. The decision of the majority of the arbitrators will be the panel's decision. The arbitrators will not have the authority to add, change, or disregard any term of these Terms and Conditions to award incidental, consequential, or punitive damages (including, but not limited to, loss of use, unjust enrichment, and/or lost profits), or exceed the remedies provided by the limitation of liability of these Terms and Conditions. The panel's decision will be binding and judgment on the arbitration award may be entered by a court of competent jurisdiction. Arbitration will be the final remedy for any dispute between the parties arising out of these Terms and Conditions, provided, however, that nothing herein will prevent either party from seeking a court order for injunctive relief (in addition to other remedies) to stop or prevent misuse or misappropriation of its marks, confidential or proprietary information, or infringement of its intellectual property, in a court of law. All arbitrations will be conducted in English.
- 26. Severability.** If any section of these Terms and Conditions is held invalid, void, or unenforceable for any reason that section will be severed, and all other sections of these Terms and Conditions will remain valid to the extent permissible under law.
- 27. Modifications.** These Terms and Conditions are the entire and complete agreement between the parties and supersede any other communications, representations, or agreements with respect to its subject matter. Under no circumstances will any preprinted, additional, or different terms and conditions on your requests for quotation, purchase orders, invoices, sales or marketing materials, emails, any acceptance communications, or other business documents apply to any Services or Quotation or bind us in any manner. Modifications that have not been made by us or that have not been accepted by us in a written or emailed confirmation from us are not accepted by us, and commencement of performance will not signify acceptance by us of any such modifications. Any such modifications are excluded from our agreement, and such modifications will not be a binding agreement on us.
- 28. Order of Precedence.** Except for conflicts with Section 3 (Payment Terms), Section 5 (Estimated Schedule and Price) and Section 10 (Cancellation Fees), these Terms and Conditions will take precedence over any conflicting terms in any Quotation.
- 29. Electronic Signature.** These Terms and Conditions may be executed and delivered by facsimile, PDF, or by means of other electronic signature. Our electronic, digital, or hard copies of these Terms and Conditions, your acceptance, and Quotations as signed, or otherwise accepted, by you will be the true, complete, valid, authentic, and enforceable copies of these documents. You agree that you will not contest the admissibility or enforceability of our copies in a court or any proceeding arising out of such documents.
- 30. Force Majeure.** Neither party will be liable for any failure or delay in the performance of its obligations due to fire, flood, earthquake, governmental actions, epidemics, elements of nature, or acts of God, acts of war, terrorism, riots, civil disorder, rebellions, or other similar cause beyond the reasonable control of the party affected, provided such default or delay: (i) could not have been prevented by reasonable precautions; (ii) cannot reasonably be circumvented; (iii) and the party hindered or delayed immediately notifies the other party describing the circumstance causing delay.