

BTL Diffusion

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

Report No.: 1001666422 Date: Aug.24,2022

SAMPLE DESCRIPTION	Tranquil Whale White / Tranquil Whale Baby F Tranquil Whale Blue / Tranquil Whale Baby R	
STYLE NO.	: 7900-WD / 7900-WD-Baby / 7901-WB / 7901	-WB-Baby
PO NO.	Not Provided	
AGE GRADE	Not Provided	
COLOUR	Not Provided	
APPLICANT	BTL Diffusion	
MANUFACTURER	Not Provided	
BUYER	Not Provided	
COUNTRY OF ORIGIN	Not Provided	
EXPORTED TO	Not Provided	
TESTING LOCATION	UL VS Shanghai Limited Shenzhen Branch	
DATE RECEIVED SAMPLES	: Aug 12, 2022	
DATE OF TEST	: Aug 12, 2022 – Aug 24, 2022	
RESULTS	Please refer to the following page(s)	

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CONCLUSION:

1.	As specified by client, to determine the 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.	As specified by client, to determine the 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.	As specified by client, to determine the 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.	As specified by client, to determine the 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.	As specified by client, to determine the 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 Section 27)	Pass
6.	As specified by client, to determine the 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.	As specified by client, to determine the Lead content in the submitted sample(s) in accordance with California "Proposition 65".	Pass
8.	As specified by client, to determine the 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.	As specified by client, to determine the Total Lead content in the submitted sample(s) in accordance with Canada Surface coating materials regulations (SOR/2016-193).	NA
10.	As specified by client, to determine the Total Lead content in the submitted sample(s) in accordance with 16 CFR 1303.	NA
11.	As specified by client, to determine the Mercury content in the submitted sample(s) in accordance with Canadian Environmental Protection Act : Products Containing Mercury Regulations SOR/2014-254.	Pass
12.	As specified by client, to determine the 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
13.	As specified by client, to determine the Short Chain Chlorinated Paraffin Content in the submitted sample(s) in accordance with the Persistent Organic Pollutants (POPs) Regulation (EU) 2019/1021.	Pass
14.	As specified by client, to determine the 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.	As specified by client, to determine the 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.	As specified by client, to determine the 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.	As specified by client, to determine the DBP BBP DEHP DIDP DNHP and DINP content in the submitted sample(s) in accordance with California "Proposition 65".	Pass
18.	As specified by client, to determine the DEHP \ DBP \ BBP \ DIBP \ DIPP \ 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.	As specified by client, to determine the 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).	NA

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CONCLUSION:

20.	As specified by client, to determine the 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.	As specified by client, to determine the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr ⁶⁺), 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.	As specified by client, to determine the 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.	As specified by client, to determine the Cadmium content in the submitted sample(s) in accordance with Item 23 of Annex XVII of REACH Regulation (EC) 1907/2006.	Pass
24.	As specified by client, to determine the Azocolourants content in the submitted sample(s) in accordance with Item 43 of Annex XVII of REACH Regulation (EC) NO. 1907/2006 & amendment No. 552/2009 and 126/2013.	Pass
25.	As specified by client, to determine the Pentachlorophenol (PCP) content in the submitted sample(s) in accordance with the Persistent Organic Pollutants (POPs) Regulation (EU) 2019/1021 and its amendment Directive (EU) 2021/277.	Pass
26.	As specified by client, to determine the Formaldehyde content in the submitted sample(s) in accordance with Directive 2009/48/EC & its amendment Directive (EU) 2019/1929.	Pass
27.	As specified by client, to determine TCEP, TCPP, TDCP content in the submitted sample(s) in accordance with Directive (EU) 2009/48/EC & its amendment Directive 2014/79/EU.	Pass
28.	As specified by client, to determine the Phthalates content in the submitted sample(s).	Pass

Note: The results relate only to the items tested.

For and on behalf of

UL VS Shanghai Limited Shenzhen Branch

Thic. Wa

Eric Wu - Engineering Manager (Hardlines Testing)



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优力胜邦质量检测(上海)有限公司深圳分公司 广东省深圳市南山区高新科技园北区朝山二路 8 号清溢光电大厦三、四楼 电话(T): 755-26018600 / 传真 (F): 755-26018626 / 网址(W): W: ul.com



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TEST RESULTS

Specimen Description:

No.	Test part(s) name	
1	Transparent plastic, cover	7900-WD
2	Transparent blue plastic, cover	7901-WB
3	Apricot plastic, buttons	7900-WD
4	Blue plastic, buttons	7901-WB
5	Green/light green/dark green/white textile, logo label	All style
6	White plush, body	7900-WD/7900-WD- Baby
7	Blue fabric, body	7901-WB/7901-WB- Baby
8	White plastic, hook tape Velcro	7900-WD/7901-WB
9	Black plastic, cell box	
10	White plastic, switch	All style
11	Creamy white fabric, abdomen	7900-WD/7900-WD- Baby
12	Light blue fabric, abdomen	7901-WB/7901-WB- Baby
13	Creamy white fabric, lining	7900-WD
14	Light blue fabric, lining	7901-WB
15	Black embroidery, eye	7901-WB
16	Orange embroidery, pattern	7901-WB
17	Dark taupe embroidery, eye	7900-WD
18	Orange red embroidery, pattern	7900-WD
19	Black/white embroidery, eye	7900-WD-Baby /7901- WB-Baby
20	Black printed white fabric, label	All style
21	Black plastic, gear	7900-WD/7901-WB
22	Silvery metal, screw	7900-WD/7901-WB
23	White floss, interlayer(inner)	
24	White textile with white thread, edge(inner)	All style

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TEST RESULTS

No.	Test part(s) name	
25	White fabric, interlayer(inner)	7900-WD-Baby /7901- WB-Baby
26	White plastic, shell(inner)	7900-WD-Baby /7901- WB-Baby
27	Transparent plastic, bead(inner)	7900-WD-Baby /7901- WB-Baby
28	Transparent plastic, gasket(inner)	
29	Black foam with adhesive(inner)	
30	Silvery metal, spring(inner)	
31	Silvery metal, electrode plate(inner)	
32	White plastic, ribbon	
33	Silvery solder, electrode plate(inner)	7900-WD/7901-WB
34	Silvery metal, big gasket screw(inner)	
35	Silvery metal, small gasket screw(inner)	
36	Creamy white plastic, fixation(inner)	
37	Silvery metal, nut(inner)	
38	Transparent dry glue(inner)	
39	Silvery metal, speaker (Inner)	
40	Silvery metal plate, speaker (Inner)	
41	Silvery metal solder, speaker (Inner)	
42	Black/transparent glue, speaker (Inner)	
43	Green printed PCB, speaker (Inner)	7000 M/D/7004 M/D
44	Black textile with adhesive, speaker (Inner)	7900-WD/7901-WB
45	Transparent plastic film, speaker (Inner)	
46	Black plastic, speaker (Inner)	
47	Coppery metal, speaker (Inner)	
48	Silvery metal sheet, speaker (Inner)	

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TEST RESULTS

No.	Test part(s) name	
49	Silvery metal magnet, speaker (Inner)	
50	Black plated silvery metal, button (Inner)	
51	Silvery metal spring, button (Inner)	
52	Silvery metal spring plate, button (Inner)	
53	Silvery metal, pin of button (Inner)	
54	Light brown PCB, button (Inner)	
55	Multi-color printed apricot material with pin, color ring resistance(inner)	
56	Silvery metal, gear(inner)	
57	Green PCB, gear(inner)	
58	Green printed light brown PCB(inner)	
59	Black soft plastic, wire jacket(inner)	
60	Red soft plastic, wire jacket(inner)	
61	White soft plastic, wire jacket(inner)	
62	Grey soft plastic, wire jacket(inner)	
63	Orange soft plastic, wire jacket(inner)	
64	Purple soft plastic, wire jacket(inner)	
65	Black soft plastic, wire jacket(inner)	
66	Dark red soft plastic, wire jacket(inner)	
67	Coppery metal, wire core(inner)	
68	Silvery metal, screw(inner)	
69	Black foam, washer(inner)	
70	Transparent soft plastic, stopper(inner)	7900-WD/7901-WB
71	Black plated silvery metal screw, motor(inner)	
72	Matt-white plastic, motor(inner)	
73	Silvery metal shell, motor(inner)	

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TEST RESULTS

No.	Test part(s) name	
74	Matt-silvery metal cover, motor(inner)	
75	White plastic gear, motor(inner)	
76	Light blue plastic gear, motor(inner)	
77	Blue plastic gear, motor(inner)	
78	Creamy white plastic gear, motor(inner)	
79	Silvery metal axis, motor(inner)	
80	Silvery metal pin, motor(inner)	
81	White lubricating oil, motor(inner)	
82	Silvery metal screw, motor(inner)	
83	Golden metal washer, motor(inner)	
84	Creamy white plastic, motor(inner)	7900-WD/7901-WB
85	Silvery metal , motor(inner)	
86	Dark grey magnetic glue , motor(inner)	
87	White plastic sheet, motor(inner)	
88	Yellow plastic sheet, motor(inner)	
89	Coppery metal wire, motor(inner)	
90	Silvery metal , motor(inner)	
91	Silvery metal axis, motor(inner)	
92	Rose gold plated silvery metal sheet, motor(inner)	
93	Black magnetism, motor(inner)	
94	Silvery solder, motor(inner)	
95	Transparent plastic, LED(inner)	
96	Silvery metal, LED(inner)	7900-WD/7901-WB
97	White printed green plastic film, electrolytic capacitor(inner)	

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TEST RESULTS

No.	Test part(s) name	
98	Silvery metal, electrolytic capacitor(inner)	
99	Black soft plastic, electrolytic capacitor(inner)	
100	Brown paper, electrolytic capacitor(inner)	
101	Grey aluminum foil, electrolytic capacitor(inner)	
102	Silvery grey aluminum foil, electrolytic capacitor(inner)	
103	Silvery metal pin, electrolytic capacitor(inner)	
104	Translucent/black soft plastic, buttons	7900-WD/7901-WB
105	Black substance, PCB(inner)	7900-000/7901-008
106	Green PCB(inner)	
107	White printed black material with pin, big chip resistor (Inner)	
108	White printed black material with pin, small chip resistor (Inner)	
109	Brown material with pin, chip capacitor (Inner)	
110	Black material with pin, audion (Inner)	
111	Silvery solder PCB (Inner)	

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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)

				Limit (mg/kg)		Res	Result(s)	
Test item(s)	Unit	MDL	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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				Limit (mg/kg)		Res	ult(s)
Test item(s)	Unit	MDL	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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				Limit (mg/kg)		Res	ult(s)
Test item(s)	Unit	MDL	Category 1:dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	5	6
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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	66	20
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

				Limit (mg/kg)		Res	ult(s)
Test item(s)	Unit	MDL	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.	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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BTL Diffusion

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

Report No.: 1001666422 Date: Aug.24,2022

TEST RESULTS

				Limit (mg/kg)		Res	ult(s)
Test item(s)	Unit	MDL	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	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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BTL Diffusion

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

Report No.: 1001666422 Date: Aug.24,2022

TEST RESULTS

				Limit (mg/kg)		Res	ult(s)
Test item(s)	Unit	MDL	Category 1:dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	11	12
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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BTL Diffusion

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

Report No.: 1001666422 Date: Aug.24,2022

TEST RESULTS

				Limit (mg/kg)		Res	ult(s)
Test item(s)	Unit	MDL	Category 1:dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	13	14
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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BTL Diffusion

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

Report No.: 1001666422 Date: Aug.24,2022

TEST RESULTS

				Limit (mg/kg)		Res	ult(s)
Test item(s)	Unit	MDL	Category 1:dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	15	16
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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16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1001666422 Date: Aug.24,2022

TEST RESULTS

				Limit (mg/kg)		Res	ult(s)
Test item(s)	Unit	MDL	Category 1:dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	17	18
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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16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1001666422 Date: Aug.24,2022

TEST RESULTS

				Limit (mg/kg)		Res	ult(s)
Test item(s)	Unit	MDL	Category 1:dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	19	20
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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16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France

Report No.: 1001666422 Date: Aug.24,2022

TEST RESULTS

				Limit (mg/kg)		Result(s)
Test item(s)	Unit	MDL	Category 1:dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	21
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	N.D.

-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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BTL Diffusion

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

Report No.: 1001666422 Date: Aug.24,2022

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)

				Limit (mg/kg)			Res	ult(s)	
Test item(s)	Unit	MDL	Category 1: dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	1	2	3	4
AI	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.
В	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	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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BTL Diffusion

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

Report No.: 1001666422 Date: Aug.24,2022

TEST RESULTS

				Limit (mg/kg)			Res	ult(s)	
Test item(s)	Unit	MDL	Category 1: dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	5	6	7	8
AI	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	66	20	N.D.	N.D.
В	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 🎞	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	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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BTL Diffusion

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

Report No.: 1001666422 Date: Aug.24,2022

TEST RESULTS

				Limit (mg/kg)			Res	ult(s)	
Test item(s)	Unit	MDL	Category 1: dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	9	10	11	12
AI	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.
В	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 🎞	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	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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BTL Diffusion

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Report No.: 1001666422 Date: Aug.24,2022

TEST RESULTS

				Limit (mg/kg)			Res	ult(s)	
Test item(s)	Unit	MDL	Category 1: dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	13	14	15	16
AI	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.
В	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 🎞	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.
Со	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	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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Report No.: 1001666422 Date: Aug.24,2022

TEST RESULTS

				Limit (mg/kg)			Res	ult(s)	
Test item(s)	Unit	MDL	Category 1: dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	17	18	19	20
AI	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.
В	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 🎞	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	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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Report No.: 1001666422 Date: Aug.24,2022

TEST RESULTS

				Limit (mg/kg)		Result(s)
Test item(s)	Unit	MDL	Category 1: dry, brittle, powder-like, or pliable materials	Category 2: liquid, or sticky materials	Category 3: scraped-off materials	21
Al	mg/kg	2	2250	560	28130	N.D.
Sb	mg/kg	2	45	11.3	560	N.D.
As	mg/kg	0.5	3.8	0.9	47	N.D.
Ba	mg/kg	2	1500	375	18750	N.D.
В	mg/kg	2	1200	300	15000	N.D.
Cd	mg/kg	0.2	1.3	0.3	17	N.D.
Cr 🎞	mg/kg	2	37.5	9.4	460	N.D.
Cr VI	mg/kg	0.015	0.02	0.005	0.053	N.D.
Co	mg/kg	2	10.5	2.6	130	N.D.
Cu	mg/kg	2	622.5	156	7700	N.D.
Pb	mg/kg	0.2	2.0	0.5	23	N.D.
Mn	mg/kg	2	1200	300	15000	N.D.
Hg	mg/kg	1	7.5	1.9	94	N.D.
Ni	mg/kg	2	75	18.8	930	N.D.
Se	mg/kg	2	37.5	9.4	460	N.D.
Sr	mg/kg	2	4500	1125	56000	N.D.
Sn	mg/kg	2	15000	3750	180000	N.D.
Organic tin	mg/kg	0.2	0.9	0.2	12	N.D.
Zn	mg/kg	2	3750	938	46000	N.D.

-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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BTL Diffusion

16, Rue Anatole Moussu - ZA Méré Nord Est 78490 Méré, France Report No.: 1001666422 Date: Aug.24,2022

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)					
	Onit	MDL	Linin	1+2+3	4+8+9	10+21	20		
Lead(Pb)	mg/kg	10	100	N.D.	N.D.	N.D.	N.D.		

Toot it	Test item(s) Unit MDL		Limit	Result(s)	
Test lie			MDL	LIIIII	22
Lead	(Pb)	mg/kg	10	100	N.D.

Soluble elements Content

Test Method: ASTM F 963-17 Section 8.3.5

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

	ir	r							
Test item(s)	Unit	MDL	Limit	Result(s)					
Test item(s)	Unit	MDL	Limit	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.	46	
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.: 1001666422 Date: Aug.24,2022

TEST RESULTS

Test item(s)	Unit	MDL	l insit	Result(s)					
rest tem(s)	Unit	MDL	Limit	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	14	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.	
						Result(s)			
Test item(s)	Unit	MDL	Limit	11	12	13	14	15	
							14		
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.: 1001666422 Date: Aug.24,2022

TEST RESULTS

Test item(s)	Unit	MDL	Limit	Result(s)						
rest ttem(s)	Unit	MDL	Limit	16	17	18	19	20		
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.		
						Result(s)				
Test item(s)	Unit	MDL	Limit	21		23		24		
Cadmium(Cd)	mg/kg	5	75	N.D		N.D.		N.D.		
Lead(Pb)	mg/kg	5	90	N.D		N.D.	I	N.D.		
Chromium(Cr)	mg/kg	5	60	N.D		N.D.	1	N.D.		
Mercury(Hg)	mg/kg	5	60	N.D		N.D.	I	N.D.		
Antimony(Sb)	mg/kg	5	60	N.D.		N.D.	1	N.D.		
Barium(Ba)	mg/kg	5	1000	N.D.		N.D.	1	N.D.		
Arsenic(As)	mg/kg	5	25	N.D.		N.D.		N.D.		
Selenium(Se)	mg/kg	5	500	N.D		N.D.	I	N.D.		

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TEST RESULTS

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)		
rest tient(s)	Offic	MDL	LIIIII	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.	46
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)		
rest terr(s)	Onic	MDL		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	14	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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BTL Diffusion

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

Report No.: 1001666422 Date: Aug.24,2022

TEST RESULTS

Test item(s)	Unit	MDL	Limit			Result(s)		
rest tient(s)	Onit	WIDE	LIIIIL	11	12	13	14	15
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.
						Result(s)		
Test item(s)	Unit	MDL	Limit	16	17	18	19	20
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)
rest ttern(s)	Onit	NDL	Liinit	21
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.

5. Toxicological Hazards content - Toys Regulations (SOR/2011-17 and amendment SOR/2016-195 & SOR/2016-302 Section 27)

Test method: In-house Method

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

Test item(s)	Unit	MDL	Limit			Result(s)		
Test ttern(s)	Unit	MDL	Linnit	1	2	3	4	8
Total Lead(Pb)	mg/kg	10	90	N.D.	N.D.	N.D.	N.D.	N.D.
Total Mercury (Hg)	mg/kg	10	Not detected	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 RESULTS

Test item(s)	Unit	MDL	Limit		Result(s)	
Test ttern(s)	Unit	MDL	Linnit	9	10	21
Total Lead(Pb)	mg/kg	10	90	N.D.	N.D.	N.D.
Total Mercury (Hg)	mg/kg	10	Not detected	N.D.	N.D.	N.D.
Soluble Antimony (Sb)	mg/kg	10	1000	N.D.	N.D.	N.D.
Soluble Arsenic (As)	mg/kg	10	1000	N.D.	N.D.	N.D.
Soluble Barium (Ba)	mg/kg	10	1000	N.D.	N.D.	N.D.
Soluble Cadmium (Cd)	mg/kg	10	1000	N.D.	N.D.	N.D.
Soluble Selenium (Se)	mg/kg	10	1000	N.D.	N.D.	N.D.

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)				
restitem(s)	Onit	WIDE	LIIIII	1+2+3	4+8+9	10+21	20	
Lead(Pb)	mg/kg	10	100	N.D.	N.D.	N.D.	N.D.	

Test item(s)	Unit	MDL	Limit	Result(s)
rest tient(s)				22
Lead(Pb)	mg/kg	10	100	N.D.

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TEST RESULTS

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	Unit	Unit	Unit	Unit	MDL	Limit		Result(s)			
		MDL	Linin	1+2+3	4+8+9	10+21	20					
Lead(Pb)	mg/kg	10	100	N.D.	N.D.	N.D.	N.D.					

Test item(s)	Unit	MDL	DL Limit	Result(s)
Test item(s)	Unit	MDL		22
Lead(Pb)	mg/kg	10	100	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		1DL Limit	Result(s)				
Test item(s)		MDL		1+2+3	4+8+9	10+21	20	
Total Lead(Pb)	mg/kg	10	90	N.D.	N.D.	N.D.	N.D.	

Test item(s)	n(s) Unit M	MDL Limit		Result(s)
rest tient(s)		WIDL	Liitiit	22
Total Lead(Pb)	mg/kg	10	90	N.D.

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TEST RESULTS

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

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

Test Instrument: Atomic Absorption Spectrophotometer (AAS)

Test item(s)	Unit	MDL	Limit	Result(s)
rest item(s)	Offic			-
Lead(Pb)	mg/kg	10	90	NA

Note: No accessible surface coating was found on the submitted samples. Consequently, analysis on Total lead content in surface coating (Canada Consumer Product Safety Act, Surface Coating Materials Regulation, SOR/2016-193) was not conducted.

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)
rest tiem(s)	Offic	MDL	Linnt	-
Lead(Pb)	mg/kg	10	90	NA

Note: No accessible surface coating was present on the received sample(s). Consequently, the lead content analysis of surface coatings according to modified 16 CFR 1303, "Ban of lead-containing paint and certain consumer products bearing lead-containing paint", was not conducted.

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)
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Test item(s)	Unit MDL		Client Limit	Result(s)		
	Unit	NDL		1+2+3	4+9+10	
Total Mercury (Hg)	mg/kg	10	1000	N.D.	N.D.	

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Report No.: 1001666422 Date: Aug.24,2022

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:	Cas Chromatography Mass Spectrometer (CC MS)	
rest instrument.	Gas Chromatography-Mass Spectrometer (GC-MS)	

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

No.	Test item(s)	CAS No	Unit	MDL	Result(s)
					8+9+10
1	Benzo (a)anthracene (BaA)	56-55-3	mg/kg	0.2	N.D.
2	Chrysene (CHR)	218-01-9	mg/kg	0.2	N.D.
3	Benzo (b) fluoranthene (BbFA)	205-99-2	mg/kg	0.2	N.D.
4	Benzo (k) fluoranthene (BkFA)	207-08-9	mg/kg	0.2	N.D.
5	Benzo (j) fluoranthene (BjFA)	205-82-3	mg/kg	0.2	N.D.
6	Benzo (e) pyrene (BeP)	192-97-2	mg/kg	0.2	N.D.
7	Benzo (a) pyrene (BaP)	50-32-8	mg/kg	0.2	N.D.
8	Dibenzo (a,h) anthracene (DBAhA)	53-07-3	mg/kg	0.2	N.D.

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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

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)		
rest terri(s)				59+60+61	62+63+64	
Short Chain Chlorinated Paraffin (SCCP)	mg/kg	50	1500	N.D.	N.D.	

Test item(s)	Unit	MDL	Limit	Result(s)
				65+66
Short Chain Chlorinated Paraffin (SCCP)	mg/kg	50	1500	N.D.

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TEST RESULTS

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)
rest ttern(s)	Onic	MDL	Linin	2
Specific Migration of Bisphenol A (BPA)	mg/L	0.02	0.04	N.D.

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)
rest tient(s)	Offic	MDL	Littin	1+2
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(2018)

Test item(s)	CAS No.	Unit	MDL	Limit	Result(s)			
rest territs)	CAS NO.	Onic	MDL	Linin	1+2+3	4+8+9	10+21	
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.	
Dicyclohexly Phthalate (DCHP)	84-61-7	mg/kg	50	1000	N.D.	N.D.	N.D.	

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

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TEST RESULTS

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)			
1651 (1611(5)	Onic	WIDL	Linin	1+2+3	4+8+9	10+21	
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.	

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

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

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

	l lmit		Limit	Result(s)				
Test item(s)	Unit	MDL	Limit	1+2+3	1+2+3 4+8+9 1 N.D. N.D. N.D. N.D.	10+21		
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.		
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.		
Diisobutyl phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.	N.D.		
Total(DEHP+ DBP+BBP+ DIBP)	mg/kg	1	1000	N.D.	N.D.	N.D.		
Diisononyl Phthalate (DINP)	mg/kg	100	/	N.D.	N.D.	N.D.		
Diisodecyl Phthalate (DIDP)	mg/kg	100	/	N.D.	N.D.	N.D.		
Di-n-octyl Phthalate (DNOP)	mg/kg	50	/	N.D.	N.D.	N.D.		
Total(DINP+ DIDP+DNOP)	mg/kg	1	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.: 1001666422 Date: Aug.24,2022

TEST RESULTS

Test item(s)	Unit	MDL	Limit	Result(s)				
rest tient(s)	Unit	MDL	LIIIII	29+69	29+69 38+42 59 N.D. N.D. N.D. N.D. N.D. N.D.	59+60+61		
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.		
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.		
Diisobutyl phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.	N.D.		
Total(DEHP+ DBP+BBP+ DIBP)	mg/kg	/	1000	N.D.	N.D.	N.D.		
Diisononyl Phthalate (DINP)	mg/kg	100	/	N.D.	N.D.	N.D.		
Diisodecyl Phthalate (DIDP)	mg/kg	100	/	N.D.	N.D.	N.D.		
Di-n-octyl Phthalate (DNOP)	mg/kg	50	/	N.D.	N.D.	N.D.		
Total(DINP+ DIDP+DNOP)	mg/kg	/	1000	N.D.	N.D.	N.D.		

Test item (e)	l lmit		Lingit	Res	esult(s)	
Test item(s)	Unit	MDL	Limit	62+63+64	65+66	
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.	
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	
Diisobutyl phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.	
Total(DEHP+ DBP+BBP+ DIBP)	mg/kg	1	1000	N.D.	N.D.	
Diisononyl Phthalate (DINP)	mg/kg	100	/	N.D.	N.D.	
Diisodecyl Phthalate (DIDP)	mg/kg	100	/	N.D.	N.D.	
Di-n-octyl Phthalate (DNOP)	mg/kg	50	/	N.D.	N.D.	
Total(DINP+ DIDP+DNOP)	mg/kg	1	1000	N.D.	N.D.	

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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	Unit MDL Limit		it MDL Li		Result(s)
rest territs)			LIIIII	-		
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	NA		
Dibutyl Phthalate (DBP)	mg/kg	50	1000	NA		
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	NA		
Di-n-octyl Phthalate (DNOP)	mg/kg	50	1000	NA		
Diisononyl Phthalate (DINP)	mg/kg	100	1000	NA		
Diisodecyl Phthalate (DIDP)	mg/kg	100	1000	NA		

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	Res	ult(s)
Test item(s)	CAS NO.	Unit	MDL	LIIIII	1+2+3	4+8+9
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)
Test item(s)	CAS NO.	Onit	MDL	LIIIII	10+21
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	50	10000	N.D.

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Report No.: 1001666422 Date: Aug.24,2022

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

Seq.	Tostad Dart(a)			Result(s)		
No.	Tested Part(s)	Pb	Cd	Hg	Cr	Br
1	Transparent plastic, cover	BL	BL	BL	BL	BL
2	Transparent blue plastic, cover	BL	BL	BL	BL	BL
3	Apricot plastic, buttons	BL	BL	BL	BL	BL
4	Blue plastic, buttons	BL	BL	BL	BL	BL
5	Green/light green/dark green/white textile, logo label	BL	BL	BL	BL	BL
6	White plush, body	BL	BL	BL	BL	BL
7	Blue fabric, body	BL	BL	BL	BL	BL
8	White plastic, hook tape Velcro	BL	BL	BL	BL	BL
9	Black plastic, cell box	BL	BL	BL	BL	BL
10	White plastic, switch	BL	BL	BL	BL	BL
11	Creamy white fabric, abdomen	BL	BL	BL	BL	BL
12	Light blue fabric, abdomen	BL	BL	BL	BL	BL
13	Creamy white fabric, lining	BL	BL	BL	BL	BL
14	Light blue fabric, lining	BL	BL	BL	BL	BL
15	Black embroidery, eye	BL	BL	BL	BL	BL
16	Orange embroidery, pattern	BL	BL	BL	BL	BL
17	Dark taupe embroidery, eye	BL	BL	BL	BL	BL
18	Orange red embroidery, pattern	BL	BL	BL	BL	BL
19	Black/white embroidery, eye	BL	BL	BL	BL	BL
20	Black printed white fabric, label	BL	BL	BL	BL	BL
21	Black plastic, gear	BL	BL	BL	BL	BL

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Report No.: 1001666422 Date: Aug.24,2022

TEST RESULTS

Seq.				Result(s)	1	
No.	Tested Part(s)	Pb	Cd	Hg	Cr	Br
22	Silvery metal, screw	BL	BL	BL	Х	NA
23	White floss, interlayer(inner)	BL	BL	BL	BL	BL
24	White textile with white thread, edge(inner)	BL	BL	BL	BL	BL
25	White fabric, interlayer(inner)	BL	BL	BL	BL	BL
26	White plastic, shell(inner)	BL	BL	BL	BL	BL
27	Transparent plastic, bead(inner)	BL	BL	BL	BL	BL
28	Transparent plastic, gasket(inner)	BL	BL	BL	BL	BL
29	Black foam with adhesive(inner)	BL	BL	BL	BL	BL
30	Silvery metal, spring(inner)	BL	BL	BL	Х	NA
31	Silvery metal, electrode plate(inner)	BL	BL	BL	BL	NA
32	White plastic, ribbon	BL	BL	BL	BL	BL
33	Silvery solder, electrode plate(inner)	BL	BL	BL	BL	NA
34	Silvery metal, big gasket screw(inner)	BL	BL	BL	BL	NA
35	Silvery metal, small gasket screw(inner)	BL	BL	BL	Х	NA
36	Creamy white plastic, fixation(inner)	BL	BL	BL	BL	BL
37	Silvery metal, nut(inner)	BL	BL	BL	BL	NA
38	Transparent dry glue(inner)	BL	BL	BL	BL	BL
39	Silvery metal, speaker (Inner)	BL	BL	BL	Х	NA
40	Silvery metal plate, speaker (Inner)	BL	BL	BL	Х	NA
41	Silvery metal solder, speaker (Inner)	BL	BL	BL	BL	NA
42	Black/transparent glue, speaker (Inner)	BL	BL	BL	BL	BL
43	Green printed PCB, speaker (Inner)	BL	BL	BL	BL	Х
44	Black textile with adhesive, speaker (Inner)	BL	BL	BL	BL	BL

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TEST RESULTS

Seq.	Tooted Dot(a)		Result(s)					
No.	Tested Part(s)	Pb	Cd	Hg	Cr	Br		
45	Transparent plastic film, speaker (Inner)	BL	BL	BL	BL	BL		
46	Black plastic, speaker (Inner)	BL	BL	BL	BL	BL		
47	Coppery metal, speaker (Inner)	BL	BL	BL	BL	NA		
48	Silvery metal sheet, speaker (Inner)	BL	BL	BL	х	NA		
49	Silvery metal magnet, speaker (Inner)	BL	BL	BL	х	NA		
50	Black plated silvery metal, button (Inner)	BL	BL	BL	BL	NA		
51	Silvery metal spring, button (Inner)	BL	BL	BL	BL	NA		
52	Silvery metal spring plate, button (Inner)	BL	BL	BL	BL	NA		
53	Silvery metal, pin of button (Inner)	BL	BL	BL	BL	NA		
54	Light brown PCB, button (Inner)	BL	BL	BL	BL	BL		
55	Multi-color printed apricot material with pin, color ring resistance(inner)	BL	BL	BL	BL	BL		
56	Silvery metal, gear(inner)	BL	BL	BL	BL	NA		
57	Green PCB, gear(inner)	BL	BL	BL	BL	Х		
58	Green printed light brown PCB(inner)	BL	BL	BL	BL	BL		
59	Black soft plastic, wire jacket(inner)	BL	BL	BL	BL	BL		
60	Red soft plastic, wire jacket(inner)	BL	BL	BL	BL	BL		
61	White soft plastic, wire jacket(inner)	BL	BL	BL	BL	BL		
62	Grey soft plastic, wire jacket(inner)	BL	BL	BL	BL	BL		
63	Orange soft plastic, wire jacket(inner)	BL	BL	BL	BL	BL		
64	Purple soft plastic, wire jacket(inner)	BL	BL	BL	BL	BL		
65	Black soft plastic, wire jacket(inner)	BL	BL	BL	BL	BL		
66	Dark red soft plastic, wire jacket(inner)	BL	BL	BL	BL	BL		
67	Coppery metal, wire core(inner)	BL	BL	BL	BL	NA		

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TEST RESULTS

Seq.			Result(s)					
No.	Tested Part(s)	Pb	Cd	Hg	Cr	Br		
68	Silvery metal, screw(inner)	BL	BL	BL	BL	NA		
69	Black foam, washer(inner)	BL	BL	BL	BL	BL		
70	Transparent soft plastic, stopper(inner)	BL	BL	BL	BL	BL		
71	Black plated silvery metal screw, motor(inner)	BL	BL	BL	Х	NA		
72	Matt-white plastic, motor(inner)	BL	BL	BL	BL	BL		
73	Silvery metal shell, motor(inner)	BL	BL	BL	BL	NA		
74	Matt-silvery metal cover, motor(inner)	BL	BL	BL	BL	NA		
75	White plastic gear, motor(inner)	BL	BL	BL	BL	BL		
76	Light blue plastic gear, motor(inner)	BL	BL	BL	BL	BL		
77	Blue plastic gear, motor(inner)	BL	BL	BL	BL	BL		
78	Creamy white plastic gear, motor(inner)	BL	BL	BL	BL	BL		
79	Silvery metal axis, motor(inner)	BL	BL	BL	BL	NA		
80	Silvery metal pin, motor(inner)	BL	BL	BL	BL	NA		
81	White lubricating oil, motor(inner)	BL	BL	BL	BL	BL		
82	Silvery metal screw, motor(inner)	BL	BL	BL	Х	NA		
83	Golden metal washer, motor(inner)	BL	BL	BL	BL	NA		
84	Creamy white plastic, motor(inner)	BL	BL	BL	BL	BL		
85	Silvery metal , motor(inner)	BL	BL	BL	BL	NA		
86	Dark grey magnetic glue , motor(inner)	BL	BL	BL	Х	BL		
87	White plastic sheet, motor(inner)	BL	BL	BL	BL	BL		
88	Yellow plastic sheet, motor(inner)	BL	BL	BL	BL	BL		
89	Coppery metal wire, motor(inner)	BL	BL	BL	BL	NA		
90	Silvery metal , motor(inner)	BL	BL	BL	Х	NA		

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TEST RESULTS

Seq.				Result(s)		
No.	Tested Part(s)	Pb	Cd	Hg	Cr	Br
91	Silvery metal axis, motor(inner)	BL	BL	BL	х	NA
92	Rose gold plated silvery metal sheet, motor(inner)	BL	BL	BL	BL	NA
93	Black magnetism, motor(inner)	BL	BL	BL	BL	BL
94	Silvery solder, motor(inner)	BL	BL	BL	BL	NA
95	Transparent plastic, LED(inner)	BL	BL	BL	BL	х
96	Silvery metal, LED(inner)	BL	BL	BL	BL	NA
97	White printed green plastic film, electrolytic capacitor(inner)	BL	BL	BL	BL	BL
98	Silvery metal , electrolytic capacitor(inner)	BL	BL	BL	BL	NA
99	Black soft plastic, electrolytic capacitor(inner)	BL	BL	BL	BL	BL
100	Brown paper, electrolytic capacitor(inner)	BL	BL	BL	BL	BL
101	Grey aluminum foil, electrolytic capacitor(inner)	BL	BL	BL	BL	NA
102	Silvery grey aluminum foil, electrolytic capacitor(inner)	BL	BL	BL	BL	NA
103	Silvery metal pin, electrolytic capacitor(inner)	BL	BL	BL	BL	NA
104	Translucent/black soft plastic, buttons	BL	BL	BL	BL	BL
105	Black substance, PCB(inner)	BL	BL	BL	BL	BL
106	Green PCB(inner)	BL	BL	BL	BL	х
107	White printed black material with pin, big chip resistor (Inner)	BL	BL	BL	Х	BL
108	White printed black material with pin, small chip resistor (Inner)	BL	BL	BL	BL	BL
109	Brown material with pin, chip capacitor (Inner)	BL	BL	BL	BL	BL
110	Black material with pin, audion (Inner)	BL	BL	BL	BL	BL
111	Silvery solder PCB (Inner)	BL	BL	BL	BL	NA

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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	mg/kg BL≤70-3σ< X <130+3σ≤OL BL≤70-3σ< X <130+3σ≤OL		LOD < X <150+3σ≤OL
Pb	mg/kg	BL≤700-3σ< X <1300+3σ≤OL	BL≤700-3σ< X <1300+3σ≤ OL	BL≤500-3σ< X <1500+3σ≤OL
Hg	mg/kg	BL≤700-3σ< X <1300+3σ≤OL	BL≤700-3σ< X <1300+3σ≤OL	BL≤500-3σ< X <1500+3σ≤OL
Cr	mg/kg	BL≤700-3σ< X	BL≤700-3σ< X	BL≤500-3σ< X
Br	mg/kg	BL≤300-3σ< X		BL≤250-3σ< X

Note:

- BL= Below Limit

- OL= Over Limit

- X = Inconclusive

- NA=Not Applicable

(2) The XRF screening test for RoHS elements – The reading may be different to the actual content in the sample(s) be of nonuniformity 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.: 1001666422 Date: Aug.24,2022

TEST RESULTS

The Test Results of Chemical Method

Hexavalent Chromium content

Test Method:	IEC 62321-7-2: 2017 & IEC 62321-7-1:2015	
--------------	--	--

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

Test item(s)	Unit	MDL	RoHS Limit	Result(s)		
reschenn(s)	Unit	WIDL		22	30	35
Chromium (VI)	µg/cm ²	0.10	See Remark	Negative	Negative	Negative

Test item(s)	Unit	MDL	RoHS Limit	Result(s)		
rest tient(s)	Unit	NDL		39	40	48
Chromium (VI)	µg/cm²	0.10	See Remark	Negative	Negative	Negative

То	st item(s)	Unit	MDL	DoUS Limit	Result(s)		
Te	st item(s)	Unit	NDL		RoHS Limit 49		82
Chr	omium (VI)	µg/cm ²	0.10	See Remark	Negative	Negative	Negative

Test item(s)	Linit	MDL	RoHS Limit	Result(s)	
Test item(s)	Unit	NDL	RUNO LIMIL	90	91
Chromium (VI)	µg/cm ²	0.10	See Remark	Negative	Negative

Test item(s)	Unit	MDL	RoHS Limit	Resi	ult(s)
Test tient(s)	Onit	NIDL	86	107	
Chromium (VI)	mg/kg	2	1000	N.D.	N.D.

Remark:

Sample Cr(VI) concentration (µg/cm²)	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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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		Res	ult(s)	
Test item(s)	Unit	NDL	Limit	43	57	95	106
Monobromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.
Dibromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.
Tribromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.
Tetrabromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.
Pentabromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.
Hexabromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.
Heptabromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.
Octabromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.
Nonabromodiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.
Decabromodiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.
Sum of PBBs	mg/kg	/	1000	N.D.	N.D.	N.D.	N.D.
Monobromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.
Dibromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.
Tribromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.
Tetrabromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.
Pentabromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.
Hexabromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.
Heptabromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.
Octabromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.
Nonabromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.
Decabromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.
Sum of PBDEs	mg/kg	/	1000	N.D.	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.: 1001666422 Date: Aug.24,2022

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	Result(s)			
Test item(s)	Unit	MDL	Limit	1+2+3	4+8+9	10+21	
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	Result(s)				
Test item(s)	Onit	MDL	Limit	26+27+28	29+69	32+36+45		
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	Result(s)			
Test item(s)	Onit	MDL	Limit	38+42	43+54+57	46+72+75	
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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Report No.: 1001666422 Date: Aug.24,2022

TEST RESULTS

			RoHS	Result(s)			
Test item(s)	Unit	MDL	Limit	58+106	59+60·	+61	62+63+64
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)			RoHS	Result(s)			
	Unit	MDL	Limit	65+66	70+99+	+104	76+77+78
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.
			1	1			
	11		RoHS		Result	t(s)	
Test item(s)	Unit	MDL	Limit	84+87+88			95+97
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.			N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D. N.D.		N.D.	

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Bis-(2-ethylhexyl)Phthalate (DEHP)

Diisobutyl Phthalate (DIBP)

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mg/kg

mg/kg

50

50

1000

1000

N.D.

N.D.

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BTL Diffusion

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

Report No.: 1001666422 Date: Aug.24,2022

TEST RESULTS

23. Total Cadmium content- Item 23 of Annex XVII of REACH Regulation (EC) 1907/2006

Test Method: IEC 62321-5: 2013

Test Instrument: Atomic Absorption Spectrophotometer (AAS)

Test item(s)	Unit	MDL	Limit –		Res	ult(s)	
rest tient(s)	Onit	MDL		1+2+3	4+8+9	10+21	26+27+28
Cadmium(Cd)	mg/kg	5	Refer to Remark	N.D.	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit –		Resu	ult(s)	
rest tient(s)	Onic	IVIDE		29+69	32+36+45	38+42	43+54+57
Cadmium(Cd)	mg/kg	5	Refer to Remark	N.D.	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	Limit –		Resi	ult(s)	
rest tient(s)	Onic	IVIDE		46+72+75	58+106	59+60+61	62+63+64
Cadmium(Cd)	mg/kg	5	Refer to Remark	N.D.	N.D.	N.D.	N.D.

T (1)			Limit		Res	ult(s)	
Test item(s)	Unit	MDL		65+66	70+99+ 104	76+77+78	84+87+88
Cadmium(Cd)	mg/kg	5	Refer to Remark	N.D.	N.D.	N.D.	N.D.

Те	est item(s)	Unit	MDL	Limit	Result(s)
	st item(s)	Onic	NDL	Linin	95+97
Cad	dmium(Cd)	mg/kg	5	Refer to Remark	N.D.

Remark:

Category	Limit (mg/kg)
Paints with code[3208]and [3209]	100
Paints with code[3208]and [3209] with a zinc content exceeding 10% by weight of the paint	1000
Painted article	1000
Plastic	100
Metal parts of jewelry & hair accessories	100

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Report No.: 1001666422 Date: Aug.24,2022

TEST RESULTS

24. Azo colorants content - Item 43 of Annex XVII of the REACH Regulation (EC) NO. 1907/2006 & amendment (EC) No 552/2009 and 126/2013.

Test Method: ISO 14362-1:2017

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

No	Test item (s)		l lmit		Linait	Res	ult(s)
No.	Test item(s)	CAS No.	Unit	MDL	Limit	7+17+18	11+12+13
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4-amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.	N.D.
23	2,4-Xylidine	95-68-1	mg/kg	5	30	N.D.	N.D.
24	2,6-Xylidine	87-62-7	mg/kg	5	30	N.D.	N.D.

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Report No.: 1001666422 Date: Aug.24,2022

TEST RESULTS

N	T = = t it = == (-)		11			Result(s)
No.	Test item(s)	CAS No.	Unit	MDL	Limit	14+15+16
1	Biphenyl-4-ylamine/ 4-aminobiphenyl/xenylamine	92-67-1	mg/kg	5	30	N.D.
2	Benzidine	92-87-5	mg/kg	5	30	N.D.
3	4-chloro-o-toluidine	95-69-2	mg/kg	5	30	N.D.
4	2-naphthylamine	91-59-8	mg/kg	5	30	N.D.
5	o-aminoazotoluene/4-o-tolyazao-o-toluidine /4-amino-2',3-dimethylazobenzene*	97-56-3	mg/kg	5	30	N.D.
6	5-nitro-o-toluidine/2-amino-4-nitrotoluol*	99-55-8	mg/kg	5	30	N.D.
7	4-chloroaniline	106-47-8	mg/kg	5	30	N.D.
8	4-methoxy-m-phenylenediamine/ 2,4-diaminoanisole	615-05-4	mg/kg	5	30	N.D.
9	4,4'-methylenedianiline/ 4,4'-diaminodiphenylmethane	101-77-9	mg/kg	5	30	N.D.
10	3,3'-dichlorobenzidine/ 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	mg/kg	5	30	N.D.
11	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	mg/kg	5	30	N.D.
12	3,3'-dimethylbenzidine/4,4'-bi-o-toluidine	119-93-7	mg/kg	5	30	N.D.
13	4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5	30	N.D.
14	6-methoxy-m-toluidine/p-cresidine	120-71-8	mg/kg	5	30	N.D.
15	4,4'-methylene-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4	mg/kg	5	30	N.D.
16	4,4'-oxydianiline	101-80-4	mg/kg	5	30	N.D.
17	4,4'-thiodianiline	139-65-1	mg/kg	5	30	N.D.
18	o-toluidine/2-aminotoluene	95-53-4	mg/kg	5	30	N.D.
19	2,4-diaminotoluene/2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	mg/kg	5	30	N.D.
20	2,4,5-trimethylaniline	137-17-7	mg/kg	5	30	N.D.
21	o-anisidine/2-methoxyaniline	90-04-0	mg/kg	5	30	N.D.
22	4-aminoazobenzene**	60-09-3	mg/kg	5	30	N.D.
23	2,4-Xylidine	95-68-1	mg/kg	5	30	N.D.
24	2,6-Xylidine	87-62-7	mg/kg	5	30	N.D.
Remar	k.					

Remark:

- *The amines o-aminoazotoluene (No 5, CAS No.97-56-3) and 2-amino-4-nitrotoluene (No 6, CAS No.99-55-8) are further reduced to o-toluidine (No 18, CAS No. 95-53-4) and 2, 4-diaminotoluene (No 19, CAS No. 95-80-7).

- **Azo colorants that are able to form 4-aminoazobenzene (No 22, CAS No. 60-09-3) generate, under the condition of this method, aniline (CAS No. 62-53-3) and 1, 4-phenylendiamine (CAS No. 106-50-3).Due to detection limits, only aniline may be detected. If aniline is detected above 5mg/kg, then the presence of these colorants should be tested by ISO 14362-3:2017.

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BTL Diffusion

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

Report No.: 1001666422 Date: Aug.24,2022

TEST RESULTS

25. Pentachlorophenol(PCP) content - the Persistent Organic Pollutants (POPs) Regulation (EU) 2019/1021 and its amendment Directive (EU) 2021/277

Test Method: In-house Method

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

Toot itom(a)	Unit	MDL	Limit	Result(s)
Test item(s)	Unit	MDL	LIIIII	7
Pentachlorophenol(PCP)	mg/kg	1	5	N.D.

26. Formaldehyde content - Directive (EU) 2009/48/EC & its amendment Directive (EU) 2019/1929 Test Method:

EN ISO 14184-1: 2011.

Test Instrument: High Performance Liquid Chromatography (HPLC)

Test item(s)	Unit	MDL	Limit -		Result(s)	
rest tiern(s)	Offic	MDL	Linit	6	7	11
Formaldehyde	mg/kg	16	30	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL Limit			Result(s)	
rest terr(s)	Onic	MDL	Linit	12	13	14
Formaldehyde	mg/kg	16	30	N.D.	N.D.	N.D.

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Report No.: 1001666422 Date: Aug.24,2022

TEST RESULTS

27. 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)	l la it	MDL	l insit	Result(s)		
r est tiem(s)	Unit	MDL	Limit	6+7	11+12	
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.	

Test item(s)	Unit	MDL	Limit	Result(s)
rest tient(s)	Offic	WDL	Liinit	13+14
Tris(2-chloroethyl) phosphate (TCEP)	mg/kg	0.5	5	N.D.
Tris-(2-chloroisopropyl) phosphate (TCPP)	mg/kg	0.5	5	N.D.
Tris(1,3-dichloroisopropyl)phosphate(TDCP)	mg/kg	0.5	5	N.D.

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Report No.: 1001666422 Date: Aug.24,2022

TEST RESULTS

28. Phthalates content

Test Method: With reference to CPSC-CH-C1001-09.4(2018)

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

T (1) ()				Client	Res	ult(s)
Test item(s)	CAS No.	Unit	MDL	Limit	1+2+3	4+8+9
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 brancjed and linear	84777-06-0	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, di-C6-8- branced 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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Report No.: 1001666422 Date: Aug.24,2022

TEST RESULTS

Toot item(a)				Client	Res	ult(s)
Test item(s)	CAS No.	Unit	MDL	Limit	10+21	29+69
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 brancjed and linear	84777-06-0	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, di-C6-8- branced 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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BTL Diffusion

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

Report No.: 1001666422 Date: Aug.24,2022

TEST RESULTS

Toot itom(o)				Client	Res	ult(s)
Test item(s)	CAS No.	Unit	MDL	Limit	38+42	59+60+61
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 brancjed and linear	84777-06-0	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, di-C6-8- branced 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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BTL Diffusion

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

Report No.: 1001666422 Date: Aug.24,2022

TEST RESULTS

Test item(s)		1114	MDL	Client	Res	ult(s)
l est item(s)	CAS No.	Unit		Limit	62+63+64	65+66
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 brancjed and linear	84777-06-0	mg/kg	50	1000	N.D.	N.D.
1,2-Benzenedicarboxylic acid, di-C6-8- branced 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.

Note:

- mg/kg=milligram per kilogram

- N.D. =Not Detected (<MDL)

- MDL=Method Detection Limit

- µg/cm² = Micrograms per square centimeter

- mg/L = milligram per liter

- NĂ = Not Applicable

- The soluble test results shown are of the adjusted analytical results.

-As specified by client, the mixed testing were conducted.

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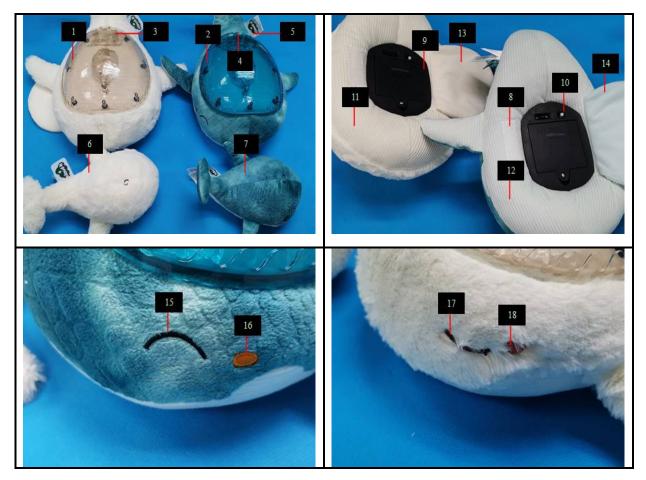


BTL Diffusion

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

Report No.: 1001666422 Date: Aug.24,2022

Photo(s) of specimen for reference



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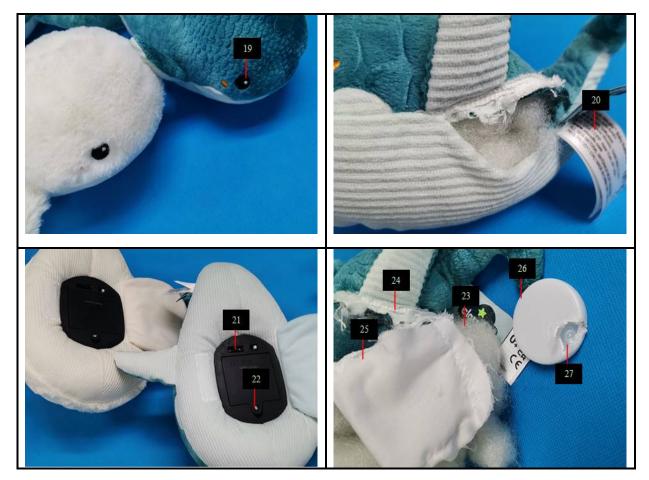


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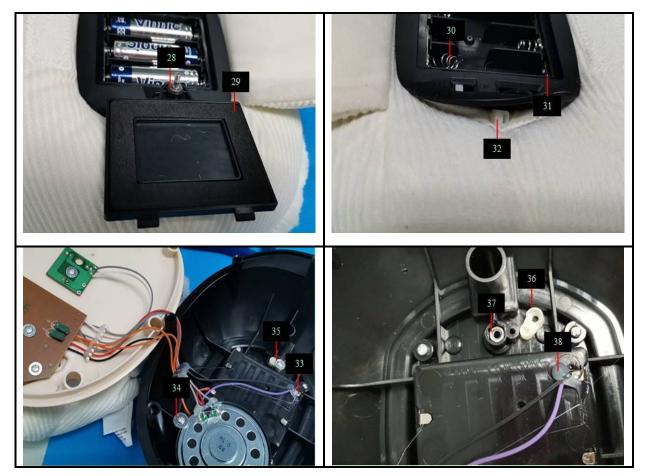


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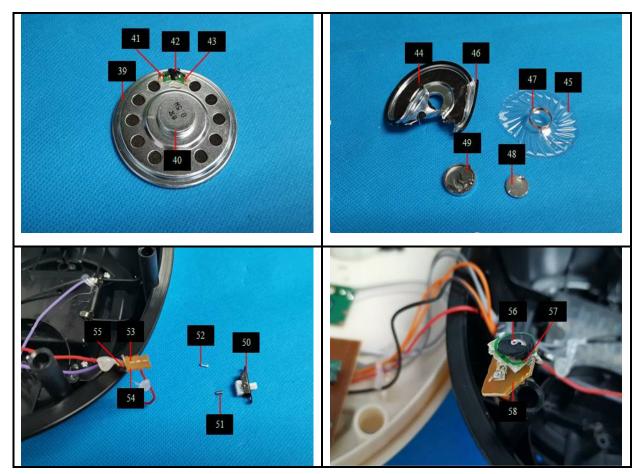


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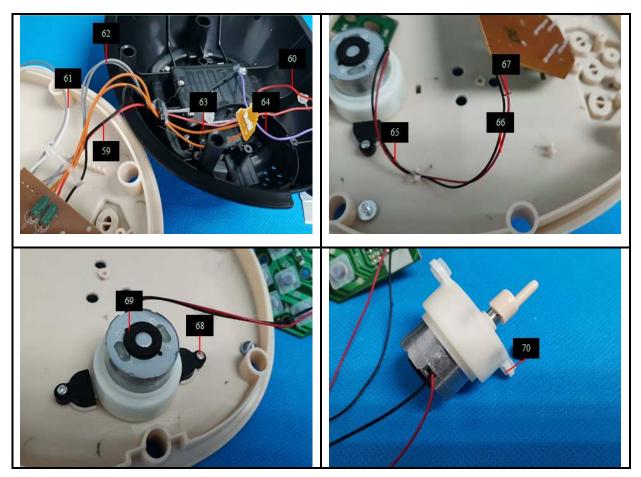


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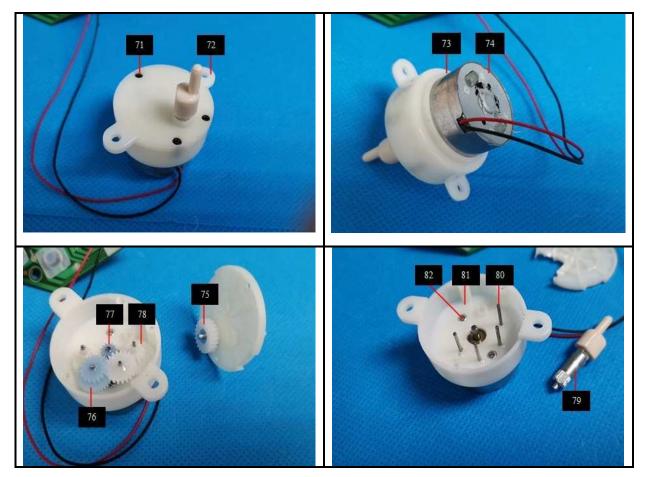


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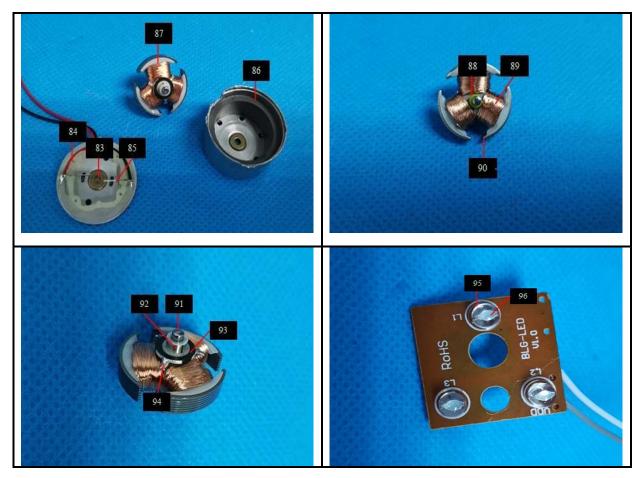


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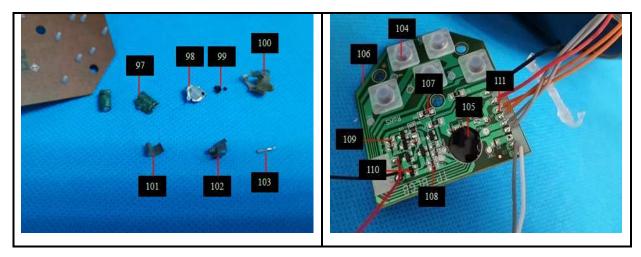


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PRODUCT PHOTOS:



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

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- 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 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 fulli). 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 access 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, 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 our responsibility to use a secure encryted connection to communicate with and use the Web Services. Your use of the Web Services is at your sele risk and is subject to any terms of use applicable to such 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 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, EXEMPLARY, OR PUNITIVE DAMAGES OF ANY NATURE WHATDSEVER, INCILLING 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 FOSSIBILITY 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 26 (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 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 esent both to: UL Verification Services Pte. Ltd, Attm: President, 1 Maritime Square, Harbour Front Centre, #11-03, Singapore 099253 with a copy to UL LLC, Attm: 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 were will be Chicago. Illinois, except If: (I) UL Contacting Party sprincipal place of business is in Europe, the venue will be Geneva. Switzerland, and (II) UL Contacting Party sprincipal place of business is in Europe, the venue will be Geneva. Switzerland, and (II) UL Contacting Party sprincipal place of business is in Europe, the venue will be Geneva. Switzerland, and (II) UL Contacting Party sprincipal place of business is in Europe, the venue will be Geneva. Switzerland, and (II) UL Contacting Party sprincipal place of business is in the AAA's procedures for Large, Complex Commercial arbitrators (who are experienced in and familiar with the AAA's Procedures for Large, Complex Commercial arbitrators (who are experienced in and familiar with the AAA's Procedures for Large, Complex Commercial Disputes). From this is its, Austratian each choose one arbitrator. Arbitrators will agree on a third arbitrator from the Ist of ten (10), who will be the chair of the panel, and the panel will be final. The decision of the managers (including, but not limitator of lates) the set Ferms and Conditions. The parel's decision will be conduced to profits), or exceed the remedies provided by the limitation of labels these Terms and Conditions. The panel's decision will be being and judgment on the arbitration wany be entered by 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 infiningement of its intellectual property, in a court of law. All arbitrations will be conduced 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 thind us in any manner. Modifications that have no the been made by us or that have not been accepted by us in a written or emailed confirmation or more requested by us, and commence 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 Majoure. Neither party will be liable for any failure or delay in the performance of its obligations due to fire, flood, earthquake, 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.