

Test Report No.: 87.400.24.0228.01-00.01

Dated: 2024-08-12



Applicant : CIXI JINKAI ELECTRIC CO., LTD.
No.288 Zhouxi Road, Zhouxiang Town Cixi City, Zhejiang
Province, China,315324

Attention : Lily Chen

Sample Description : HANDBLENDER SET

Style No. / Name / Design No. : JK1237
Handblender set SSMS 600 F6
Handblender set SOSMS 600 F6
Handblender set SSMS 250 F6
JK1237B
Hand Blender with smoothie maker attachment,
SSSM 600 B2, SOSSM 600 B2

Test Sample Receipt Date, Location : 2024-06-28, 2024-07-03, 2024-07-09, 2024-07-10, 2024-07-18, Ningbo, Shanghai

Test Period, Location : From 2024-06-28 to 2024-07-23, Ningbo, Shanghai

Test Result(s) : Refer to Section 3

Disclaimer Measurement Uncertainty: Unless otherwise agreed upon, Pass or Fail verdicts are given base on the measured values without any considerations of measurement uncertainties. Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as Pass nor as Fail. Any use for advertising purposes must be granted in writing. This test report may only be quoted in full. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production. For further details, please see testing and certification regulation, chapter A-3.4.

TÜV SÜD Certification and Testing (China) Co., Ltd. Ningbo Branch

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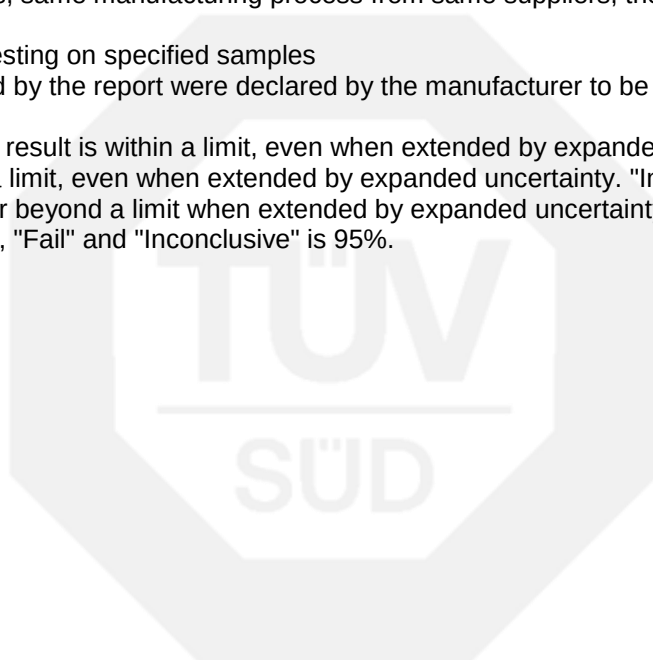


Purpose Of Examination / Conclusion:

Test Item(s)	Conclusion
Test according to Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU and its amendment Directive (EU) 2015/863	Pass
Flame retardants (HBCDD) Content According to Regulation (EU) 2019/1021 of the European Parliament and of the Council on persistent organic pollutants	Pass

Remarks:

- (1) The results relate only to the items tested.
- (2) Samples are tested as received.
- (3) For the test sample does not have detail materials information provided by client, visually identical materials (e.g. plastic housing, solder points, etc.) will be considered as the same material.
- (4) For those visually identical materials which also been confirmed with manufacturer that the materials are indeed the same materials, same colors, same manufacturing process from same suppliers, the laboratory only select one of the typical materials for testing.
- (5) The report covers material testing on specified samples
- (6) The tested materials covered by the report were declared by the manufacturer to be used on the models listed in the report
- (7) "Pass" means the measured result is within a limit, even when extended by expanded uncertainty. "Fail" means the measured result is beyond a limit, even when extended by expanded uncertainty. "Inconclusive" means the measured result can be within or beyond a limit when extended by expanded uncertainty. The confidence level of the expanded uncertainty for "pass", "Fail" and "Inconclusive" is 95%.

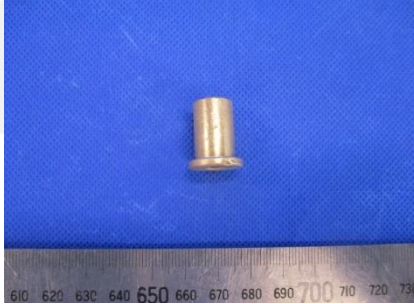
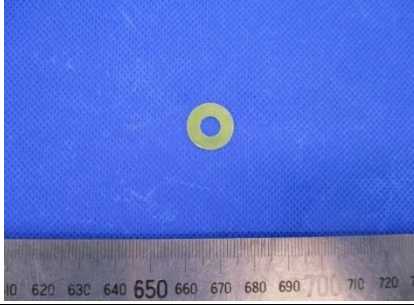


1. Description of the Test Sample:

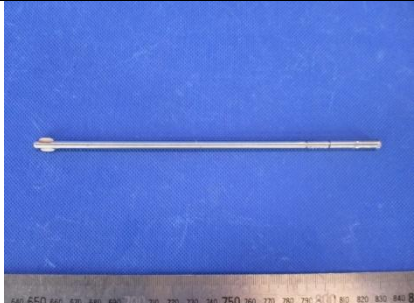
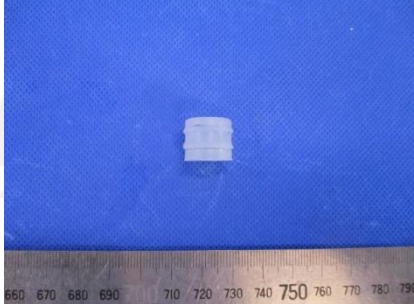
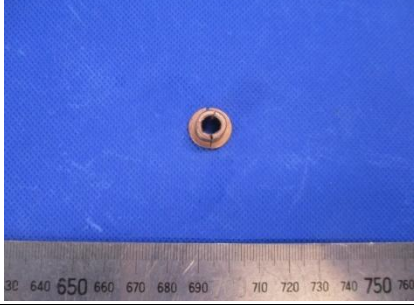
Sample Description	Sample Photo	
JK1237B Hand Blender with smoothie maker attachment, SSSM 600 B2, SOSSM 600 B2	 Remark: The above photos are submitted by client.	
JK1237 Handblender set SSMS 600 F6 Handblender set SOSMS 600 F6 Handblender set SSMS 250 F6		
		

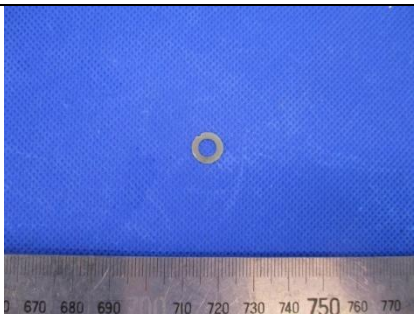
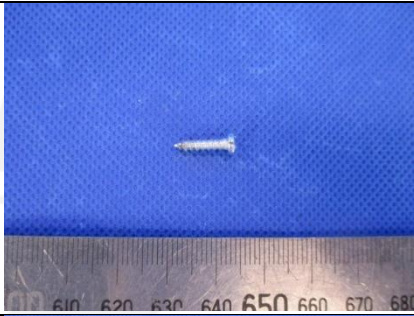
2. List of Materials as identified by the Laboratory:

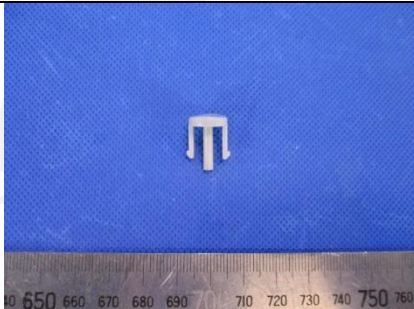
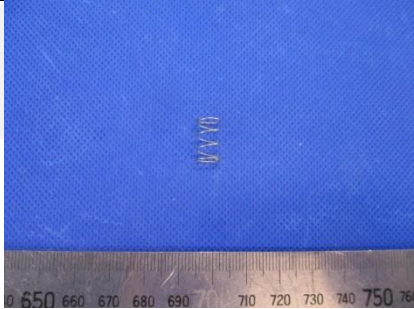
T Number	Sample Number	Tested Material Description	Photo
T1	001	Bottle plastic transparent	
T2	002	Block plastic black	
T3	003	Screw metal silvery	
T4	004	Ring soft plastic white	

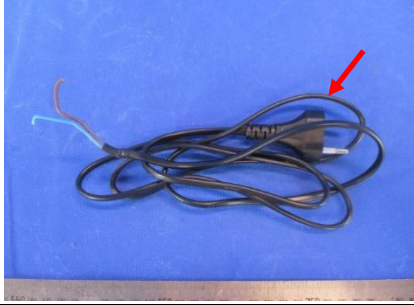
T Number	Sample Number	Tested Material Description	Photo
T5	005	Pole metal silvery	
T6	006	Blade metal silvery	
T7	007	Clip metal silvery	
T8	008	Block metal gold	
T9	009	Piece plastic yellow	

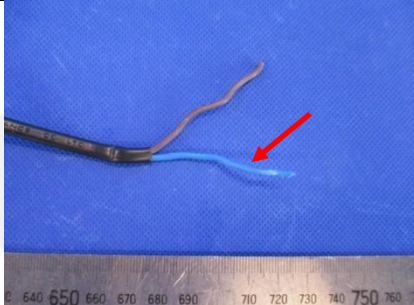
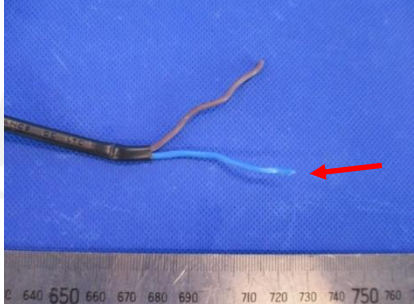
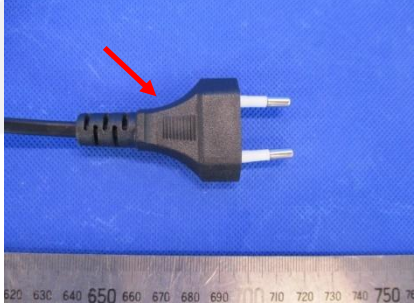
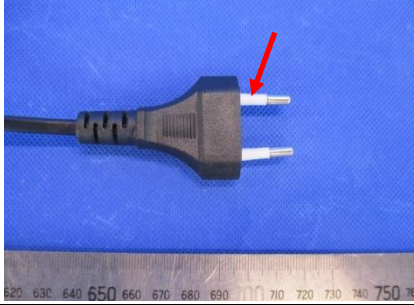
T Number	Sample Number	Tested Material Description	Photo
T10	010	Piece plastic white	
T11	011	Block plastic black	
T12	012	Ring soft plastic transparent	
T13	013	Block plastic black with printing	
T14	014	Block metal silvery	

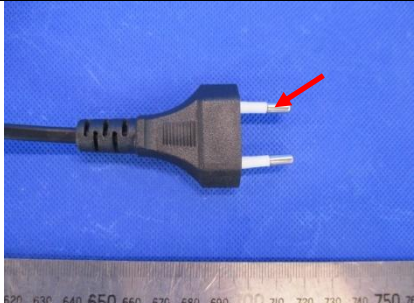
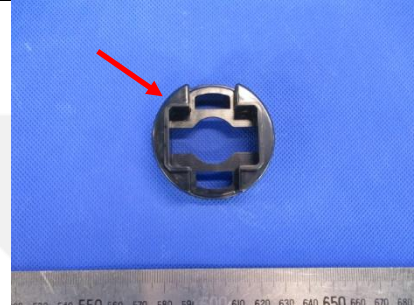
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T15	015	Pole metal silvery	
T16	016	Blade metal silvery	
T17	017	Ring soft plastic translucent	
T18	018	Ring metal silvery	
T19	019	Block metal copper	

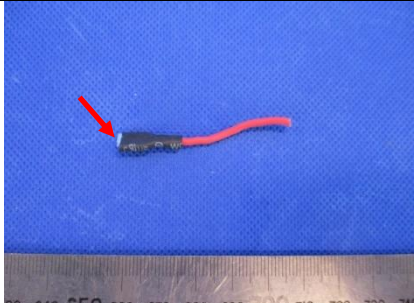
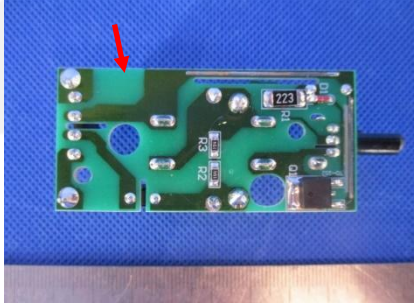
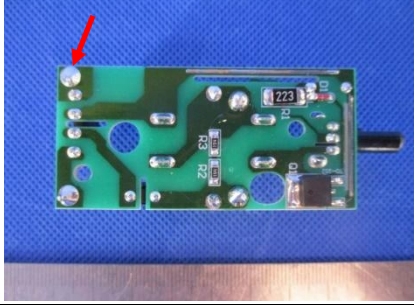
T Number	Sample Number	Tested Material Description	Photo
T20	020	Piece plastic beige	
T21	021	Label plastic silvery with printing	
T22	022	Screw metal silvery	
T23	023	Ring plastic grey	
T24	024	Block plastic grey	

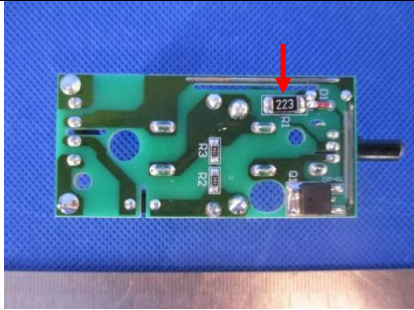
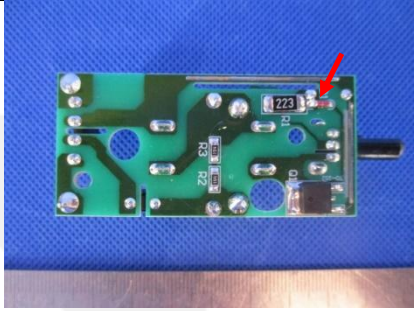
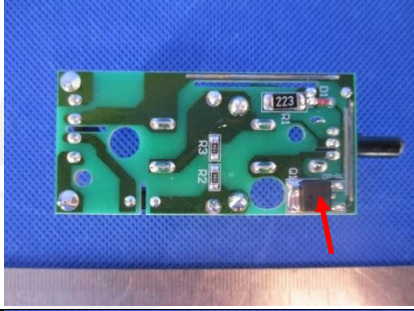
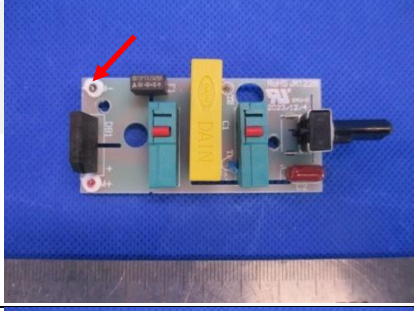
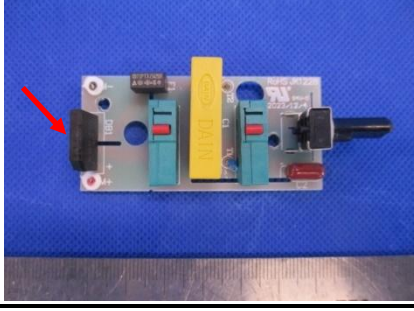
T Number	Sample Number	Tested Material Description	Photo
T25	025	Block plastic grey	
T26	026	Button soft plastic grey	
T27	027	Block plastic grey	
T28	028	Spring metal silvery	
T29	029	Block plastic beige	

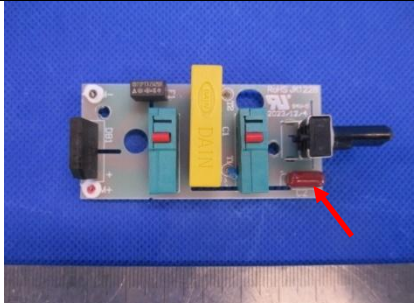
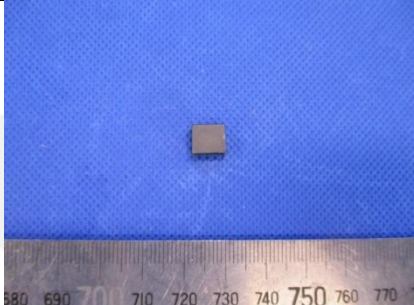
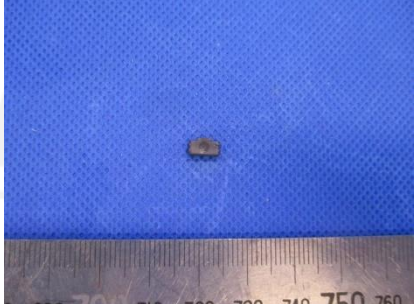
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T30	030	Block plastic transparent	
T31	031	Screw metal silvery	
T32	032	Shell plastic black with printing	
T33	033	Sheath soft plastic black	
T34	034	Jacket soft plastic black	

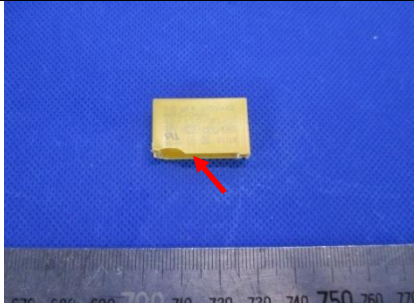
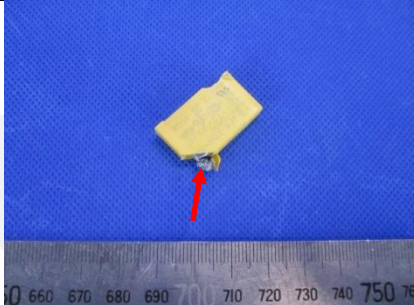
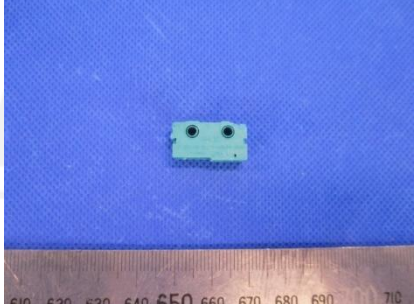
T Number	Sample Number	Tested Material Description	Photo
T35	035	Jacket soft plastic brown	
T36	036	Jacket soft plastic blue	
T37	037	Core metal copper	
T38	038	Plug soft plastic black	
T39	039	Block plastic white	

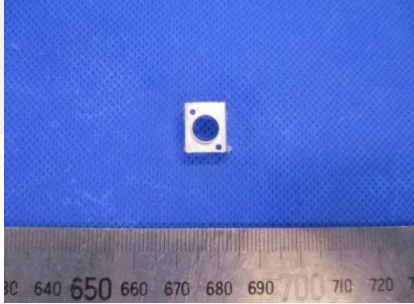
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T40	040	Pin metal silvery	
T41	041	Block plastic black	
T42	042	Soft plastic TPR black	
T43	043	Sheath soft plastic black	
T44	044	Jacket soft plastic red	

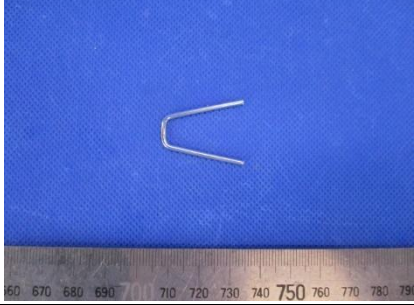
T Number	Sample Number	Tested Material Description	Photo
T45	045	Pin metal silvery	
T46	046	Jacket soft plastic black	
T47	047	Core metal silvery	
T48	048	PCB green	
T49	049	Solder silvery	

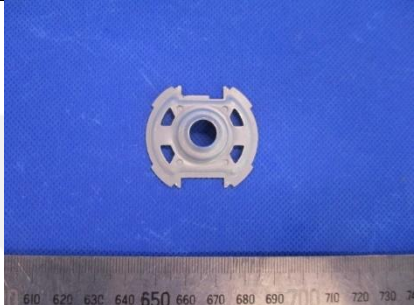
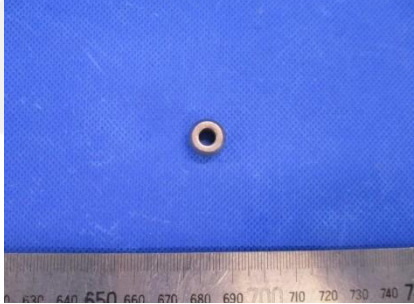
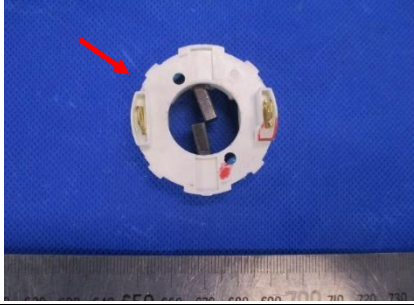
T Number	Sample Number	Tested Material Description	Photo
T50	050	Electric component black	
T51	051	Electric component brown	
T52	052	Electric component black	
T53	053	Glue white	
T54	054	Block plastic black	

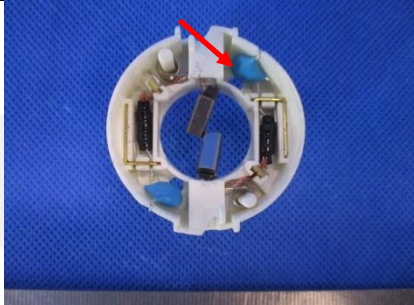
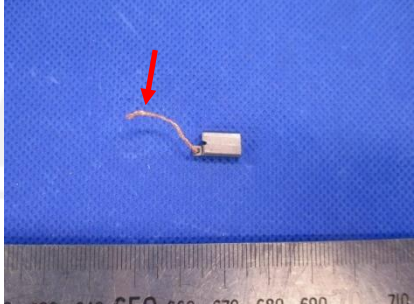
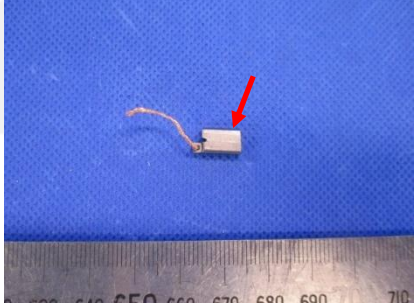
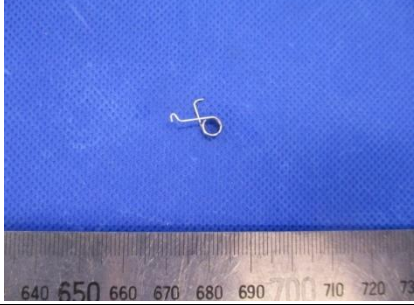
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T55	055	Electric component red	
T56	056	Block plastic black	
T57	057	Block plastic black	
T58	058	Core metal silvery	
T59	059	Shell plastic yellow	

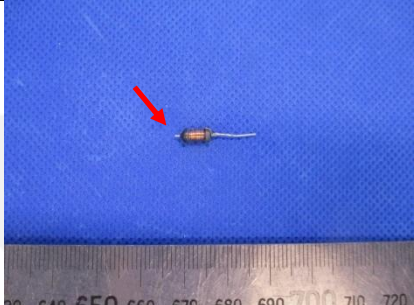
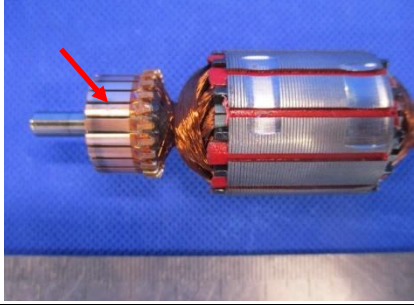
T Number	Sample Number	Tested Material Description	Photo
T60	060	Resin yellow	
T61	061	Film plastic silvery	
T62	062	Block plastic blue	
T63	063	Block plastic red	
T64	064	Pin metal silvery	

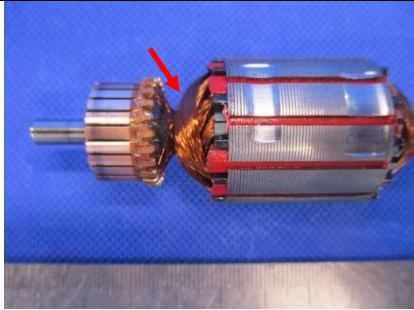
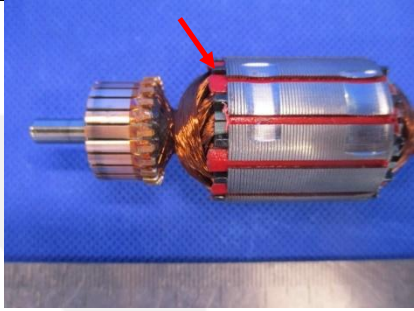
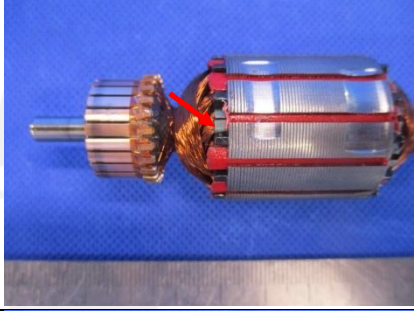
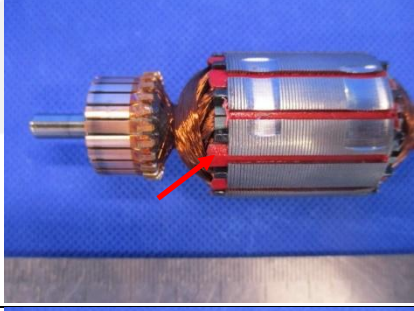
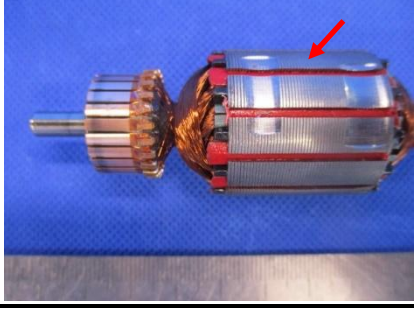
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T65	065	Spring metal silvery	
T66	066	Block plastic black	
T67	067	Block plastic black	
T68	068	Block metal silvery	
T69	069	Piece metal silvery	

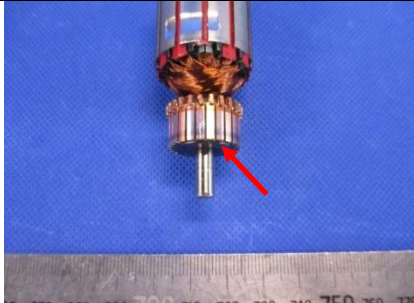
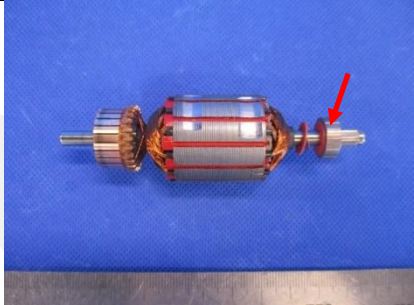
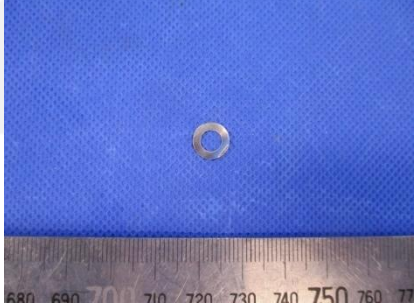
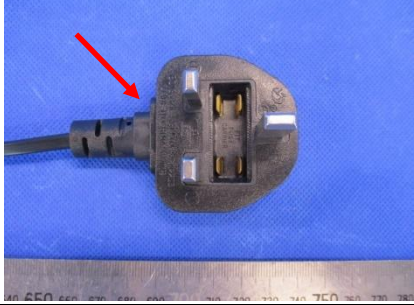
T Number	Sample Number	Tested Material Description	Photo
T70	070	Block soft plastic black	
T71	071	Block plastic white	
T72	072	Block metal silvery	
T73	073	Block metal silvery	
T74	074	Clip metal silvery	

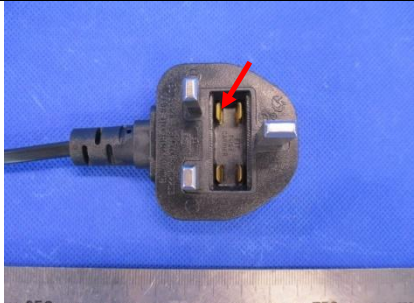
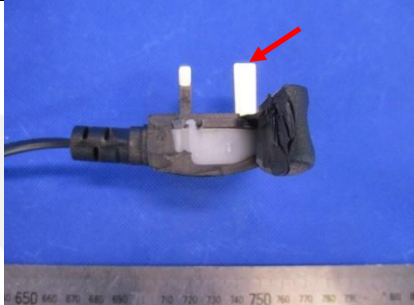
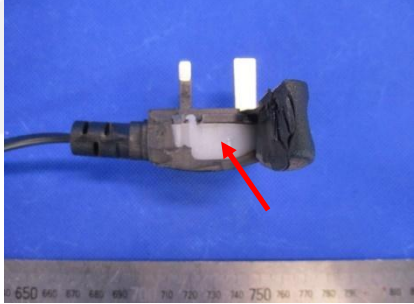
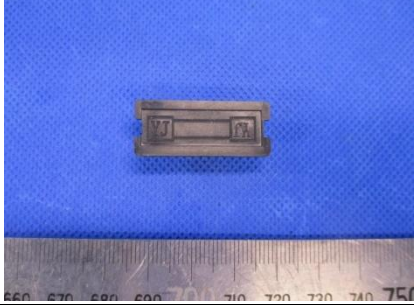
T Number	Sample Number	Tested Material Description	Photo
T75	075	Magnet black	
T76	076	Plate metal silvery	
T77	077	Plate metal silvery	
T78	078	Bead metal copper	
T79	079	Block plastic white	

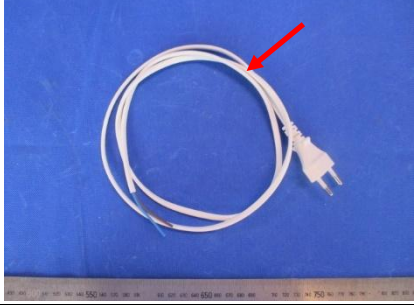
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T80	080	Pin metal gold	
T81	081	Electric component blue	
T82	082	Core metal copper	
T83	083	Graphite black	
T84	084	Clip metal silvery	

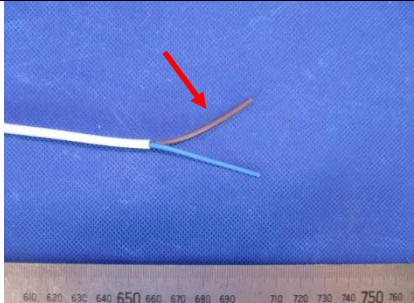
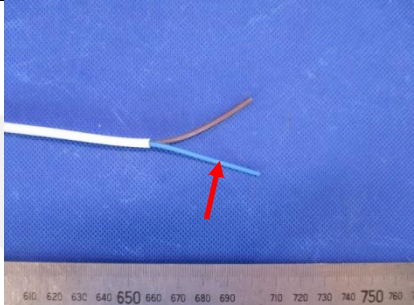
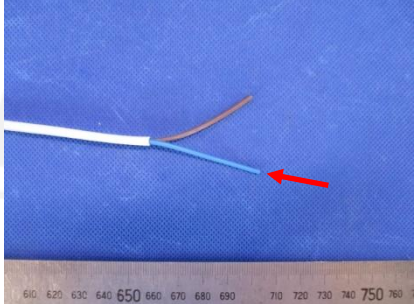
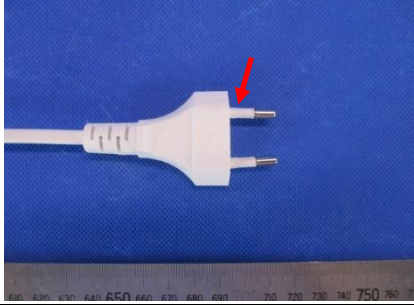
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T85	085	Sheath soft plastic black	
T86	086	Block metal black	
T87	087	Core metal silvery	
T88	088	Axis metal silvery	
T89	089	Pin metal copper	

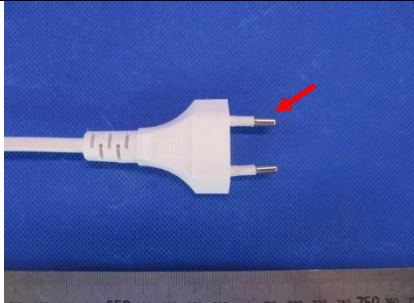
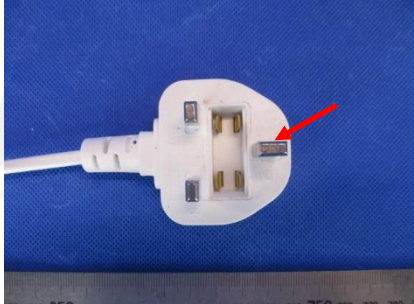
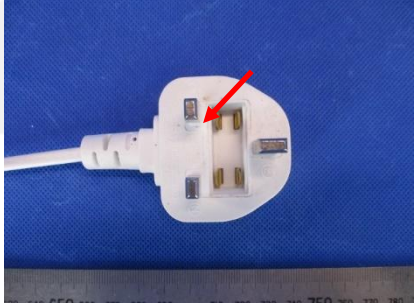
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T90	090	Core metal copper	
T91	091	Bracket plastic black	
T92	092	Block plastic green	
T93	093	Sheet plastic red	
T94	094	Block metal silvery	

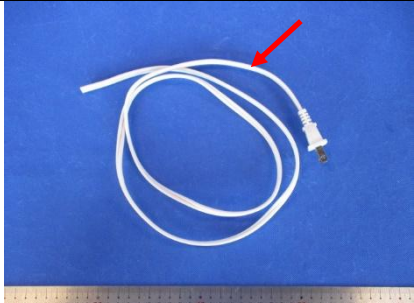
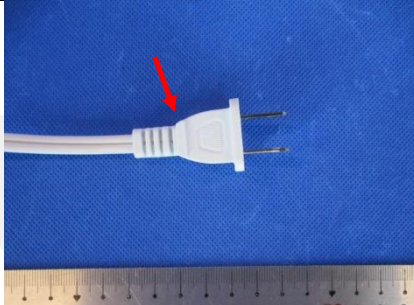
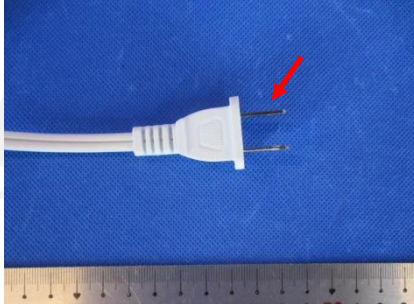
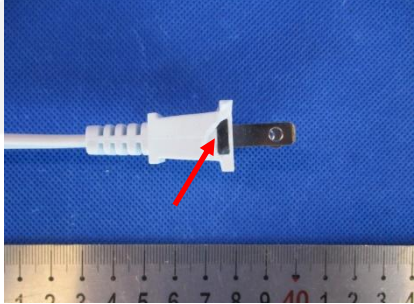
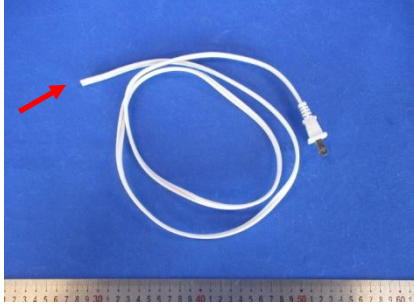
T Number	Sample Number	Tested Material Description	Photo
T95	095	Bakelite plastic black	
T96	096	Block metal copper	
T97	097	Piece plastic red	
T98	098	Ring metal silvery	
T99	099	Plug soft plastic black	

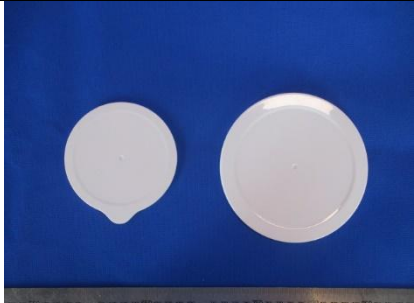
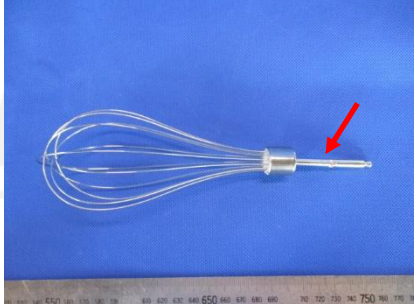
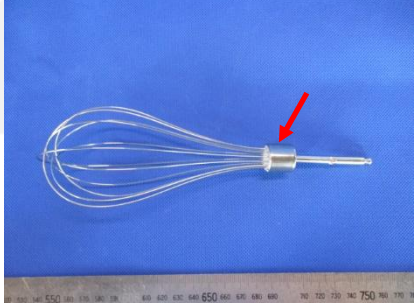
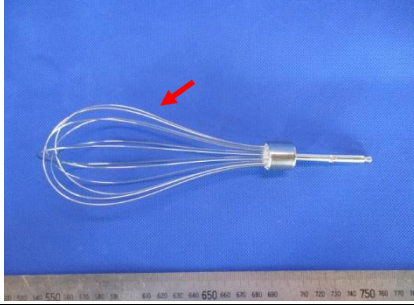
T Number	Sample Number	Tested Material Description	Photo
T100	100	Pin metal gold	
T101	101	Pin metal silvery	
T102	102	Bracket plastic black	
T103	103	Block plastic white	
T104	104	Block plastic black	

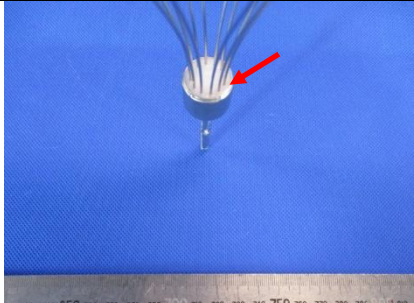
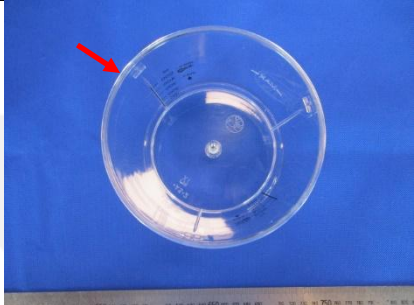
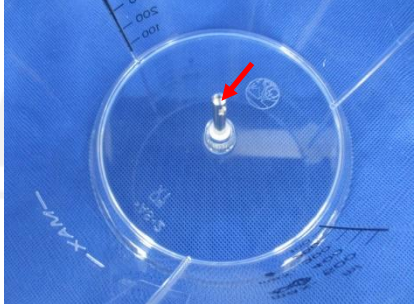
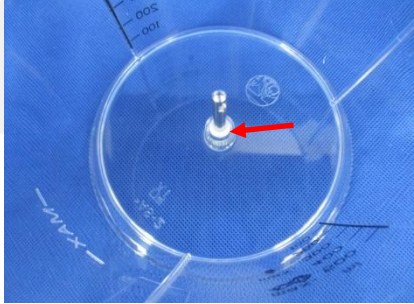
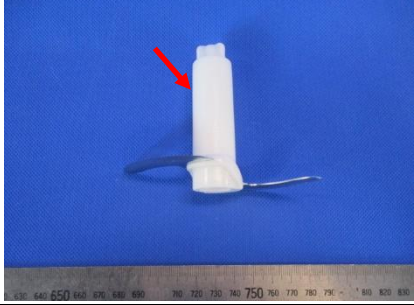
T Number	Sample Number	Tested Material Description	Photo
T105	105	Pin metal silvery	
T106	106	Ceramic white with printing	
T107	107	Core metal silvery	
T108	108	Sand beige	
T109	109	Jacket soft plastic white	

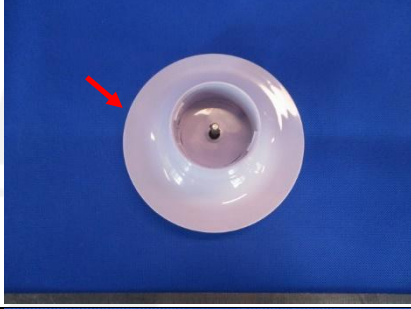
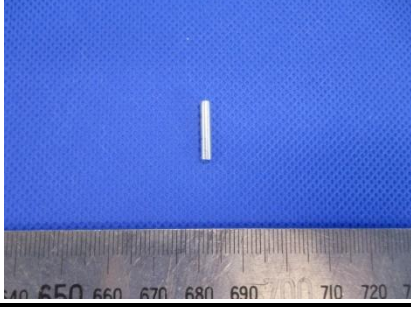
T Number	Sample Number	Tested Material Description	Photo
T110	110	Jacket soft plastic brown	
T111	111	Jacket soft plastic blue	
T112	112	Core metal silvery	
T113	113	Plug soft plastic white	
T114	114	Block plastic white	

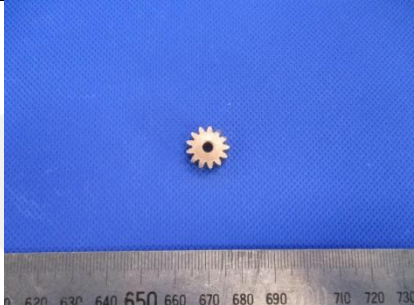
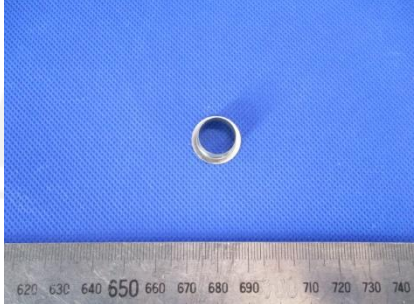
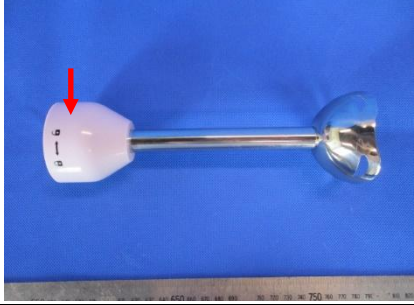
T Number	Sample Number	Tested Material Description	Photo
T115	115	Pin metal silvery	
T116	116	Plug soft plastic white	
T117	117	Pin metal silvery	
T118	118	Bracket plastic white	
T119	119	Block plastic white	

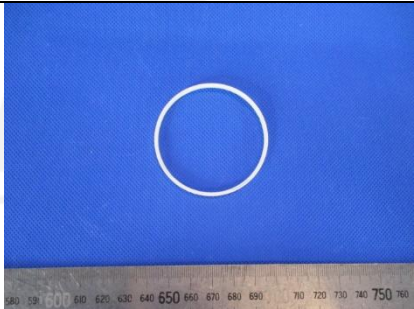
T Number	Sample Number	Tested Material Description	Photo
T120	120	Jacket soft plastic white	
T121	121	Plug soft plastic white	
T122	122	Pin metal silvery	
T123	123	Bracket plastic black	
T124	124	Core metal copper	

T Number	Sample Number	Tested Material Description	Photo
T125	125	Lid plastic white	
T126	126	Transparent AS Cup	
T127	127	Axis metal silvery	
T128	128	Block metal silvery	
T129	129	Wire metal silvery	

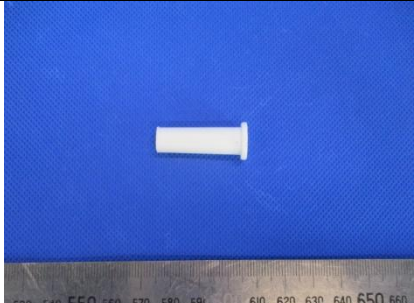
T Number	Sample Number	Tested Material Description	Photo
T130	130	Block plastic white	
T131	131	Transparent AS cup with printing	
T132	132	Axis metal silvery	
T133	133	Block plastic white	
T134	134	Block plastic white	

T Number	Sample Number	Tested Material Description	Photo
T135	135	Blade metal silvery	
T136	136	Spring metal silvery	
T137	137	Block plastic purple	
T138	138	Block plastic white	
T139	139	Bar metal silvery	

T Number	Sample Number	Tested Material Description	Photo
T140	140	Bar metal silvery	
T141	141	Gear metal copper	
T142	142	Block metal silvery	
T143	143	Grease white	
T144	144	Block plastic purple with printing	

T Number	Sample Number	Tested Material Description	Photo
T145	145	Block plastic purple with printing	
T146	146	Screw metal silvery	
T147	147	Ring plastic white	
T148	148	Block plastic white	
T149	149	Block plastic white	

T Number	Sample Number	Tested Material Description	Photo
T150	150	Spring metal silvery	
T151	151	Block plastic white	
T152	152	Screw metal silvery	
T153	153	Button soft plastic white	
T154	154	Shell plastic purple with printing	

T Number	Sample Number	Tested Material Description	Photo
T155	155	Sheath soft plastic white	
T156	156	Piece metal copper	
T157	157	Block plastic white	
T158	158	Block plastic white	
T159	159	Block plastic white	

T Number	Sample Number	Tested Material Description	Photo
T160	160	Shell plastic white with printing	
T161	161	Block plastic black	
T162	162	Block plastic black	
T163	163	Block plastic black	
T164	164	Button soft plastic black	

T Number	Sample Number	Tested Material Description	Photo
T165	165	Block plastic green	
T166	166	Block plastic green	
T167	167	Block plastic green	
T168	168	Shell plastic green with printing	
T169	169	Black plastic lid	



T Number	Sample Number	Tested Material Description	Photo
T170	170	Black plastic flip cover	
T171	171	White soft plastic ring	

Remark:
According to the quality control requirement of Lidl, all products shall meet the EU chemical related regulation and/or directives and specific chemical requirement by Lidl, such as RoHS 2.0, PAHs, Phthalates and so on. This requirement is applicable to any part used and covered in the controlled scope by relevant law. Please ensure the self-check on the compliance of all materials and components before mass production. Please note that using untested materials or components in mass production may result in the rejection of respective reports and require re-tests. Anything not clear, please contact us in time.

3. Test Result

3.1 Quantitative screening of Lead, Cadmium, Mercury, Chromium and Bromine

Test Method: EN IEC 62321-2:2021, EN 62321-3-1:2014, analyzed by Energy-Dispersive X-Ray Fluorescence Spectrometers (XRF)

Sample	Total Cadmium [mg/kg]	Total Lead [mg/kg]	Total Chromium [mg/kg]	Total Mercury [mg/kg]	Total Bromine [mg/kg]
001	BL	BL	BL	BL	BL
002	BL	BL	BL	BL	BL
003	BL	BL	Inconclusive ^(a)	BL	--
004	BL	BL	BL	BL	BL
005	BL	BL	Inconclusive ^(a)	BL	--
006	BL	BL	Inconclusive ^(a)	BL	--
007	BL	BL	Inconclusive ^(a)	BL	--
008	BL	BL	BL	BL	--
009	BL	BL	BL	BL	Inconclusive ^{(b)(c)}
010	BL	BL	BL	BL	BL
011	BL	BL	BL	BL	BL
012	BL	BL	BL	BL	BL
013	BL	BL	BL	BL	BL
014	BL	BL	Inconclusive ^(a)	BL	--
015	BL	BL	Inconclusive ^(a)	BL	--
016	BL	BL	Inconclusive ^(a)	BL	--
017	BL	BL	BL	BL	BL
018	BL	BL	Inconclusive ^(a)	BL	--
019	BL	BL	BL	BL	--
020	BL	BL	Inconclusive ^(a)	BL	Inconclusive ^{(b)(c)}
021	BL	BL	BL	BL	BL
022	BL	BL	BL	BL	--
023	BL	BL	BL	BL	BL
024	BL	BL	BL	BL	BL
025	BL	BL	BL	BL	BL
026	BL	BL	BL	BL	BL
027	BL	BL	BL	BL	BL
028	BL	BL	Inconclusive ^(a)	BL	--
029	BL	BL	BL	BL	BL
030	BL	BL	BL	BL	BL
031	BL	BL	Inconclusive ^(a)	BL	--
032	BL	BL	BL	BL	BL
033	BL	BL	BL	BL	BL
034	BL	BL	BL	BL	BL

Test Report No.: 87.400.24.0228.01-00.01

Dated: 2024-08-12



Sample	Total Cadmium [mg/kg]	Total Lead [mg/kg]	Total Chromium [mg/kg]	Total Mercury [mg/kg]	Total Bromine [mg/kg]
035	BL	BL	BL	BL	BL
036	BL	BL	BL	BL	BL
037	BL	BL	BL	BL	--
038	BL	BL	BL	BL	BL
039	BL	BL	BL	BL	Inconclusive ^{(b)(c)}
040	BL	BL	BL	BL	--
041	BL	BL	BL	BL	BL
042	BL	BL	BL	BL	BL
043	BL	BL	BL	BL	BL
044	BL	BL	BL	BL	BL
045	BL	BL	BL	BL	--
046	BL	BL	BL	BL	BL
047	BL	BL	BL	BL	--
048	BL	BL	BL	BL	Inconclusive ^{(b)(c)}
049	BL	BL	BL	BL	--
050	BL	BL ^(f)	BL	BL	BL
051	BL	BL ^(f)	BL	BL	BL
052	BL	BL	BL	BL	BL
053	BL	BL	BL	BL	BL
054	BL	BL	BL	BL	Inconclusive ^{(b)(c)}
055	BL	BL	BL	BL	BL
056	BL	BL	BL	BL	BL
057	BL	BL	BL	BL	Inconclusive ^(c)
058	BL	BL	BL	BL	--
059	BL	BL	BL	BL	Inconclusive ^{(b)(c)}
060	BL	BL	BL	BL	Inconclusive ^(c)
061	BL	BL	BL	BL	BL
062	BL	BL	BL	BL	Inconclusive ^{(b)(c)}
063	BL	BL	BL	BL	Inconclusive ^{(b)(c)}
064	BL	BL	BL	BL	--
065	BL	BL	Inconclusive ^(a)	BL	--
066	BL	BL	BL	BL	BL
067	BL	BL	BL	BL	Inconclusive ^{(b)(c)}
068	BL	BL	BL	BL	--
069	BL	BL	BL	BL	--
070	BL	BL	BL	BL	Inconclusive ^(c)
071	BL	BL	BL	BL	BL
072	BL	BL	BL	BL	--
073	BL	BL	BL	BL	--

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Test Report No.: 87.400.24.0228.01-00.01

Dated: 2024-08-12



Sample	Total Cadmium [mg/kg]	Total Lead [mg/kg]	Total Chromium [mg/kg]	Total Mercury [mg/kg]	Total Bromine [mg/kg]
074	BL	BL	Inconclusive ^(a)	BL	--
075	BL	BL	BL	BL	--
076	BL	BL	BL	BL	--
077	BL	BL	Inconclusive ^(a)	BL	--
078	BL	BL	BL	BL	--
079	BL	BL	BL	BL	Inconclusive ^{(b)(c)}
080	BL	BL	BL	BL	--
081	BL	BL	BL	BL	BL
082	BL	BL	BL	BL	--
083	BL	BL	BL	BL	BL
084	BL	BL	BL	BL	--
085	BL	BL	BL	BL	Inconclusive ^(c)
086	BL	BL	BL	BL	--
087	BL	BL	BL	BL	--
088	BL	BL	BL	BL	--
089	BL	BL	BL	BL	--
090	BL	BL	BL	BL	--
091	BL	BL	BL	BL	BL
092	BL	BL	BL	BL	BL
093	BL	BL	BL	BL	BL
094	BL	BL	Inconclusive ^(a)	BL	--
095	BL	BL	BL	BL	BL
096	BL	BL	BL	BL	--
097	BL	BL	BL	BL	BL
098	BL	BL	Inconclusive ^(a)	BL	--
099	BL	BL	BL	BL	BL
100	BL	BL	BL	BL	--
101	BL	BL	BL	BL	--
102	BL	BL	BL	BL	Inconclusive ^{(b)(c)}
103	BL	BL	BL	BL	Inconclusive ^{(b)(c)}
104	BL	BL	BL	BL	Inconclusive ^{(b)(c)}
105	BL	BL	BL	BL	--
106	BL	BL	BL	BL	--
107	BL	BL	BL	BL	--
108	BL	BL	BL	BL	--
109	BL	BL	BL	BL	BL
110	BL	BL	BL	BL	BL
111	BL	BL	BL	BL	BL
112	BL	BL	BL	BL	--

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Sample	Total Cadmium [mg/kg]	Total Lead [mg/kg]	Total Chromium [mg/kg]	Total Mercury [mg/kg]	Total Bromine [mg/kg]
113	BL	BL	BL	BL	BL
114	BL	BL	BL	BL	Inconclusive ^{(b)(c)}
115	BL	BL	BL	BL	--
116	BL	BL	BL	BL	BL
117	BL	BL	BL	BL	--
118	BL	BL	BL	BL	Inconclusive ^{(b)(c)}
119	BL	BL	BL	BL	Inconclusive ^{(b)(c)}
120	BL	BL	BL	BL	BL
121	BL	BL	BL	BL	BL
122	BL	BL	BL	BL	--
123	BL	BL	BL	BL	Inconclusive ^{(b)(c)}
124	BL	BL	BL	BL	--
125	BL	BL	BL	BL	BL
126	BL	BL	BL	BL	BL
127	BL	BL	Inconclusive ^(a)	BL	--
128	BL	BL	Inconclusive ^(a)	BL	--
129	BL	BL	Inconclusive ^(a)	BL	--
130	BL	BL	BL	BL	BL
131	BL	BL	BL	BL	BL
132	BL	BL	Inconclusive ^(a)	BL	--
133	BL	BL	BL	BL	BL
134	BL	BL	BL	BL	BL
135	BL	BL	Inconclusive ^(a)	BL	--
136	BL	BL	Inconclusive ^(a)	BL	--
137	BL	BL	BL	BL	BL
138	BL	BL	BL	BL	BL
139	BL	BL	Inconclusive ^(a)	BL	--
140	BL	BL	Inconclusive ^(a)	BL	--
141	BL	BL	BL	BL	--
142	BL	BL	Inconclusive ^(a)	BL	--
143	BL	BL	BL	BL	BL
144	BL	BL	BL	BL	BL
145	BL	BL	BL	BL	BL
146	BL	BL	BL	BL	--
147	BL	BL	BL	BL	BL
148	BL	BL	BL	BL	BL
149	BL	BL	BL	BL	BL
150	BL	BL	Inconclusive ^(a)	BL	--
151	BL	BL	BL	BL	BL

Sample	Total Cadmium [mg/kg]	Total Lead [mg/kg]	Total Chromium [mg/kg]	Total Mercury [mg/kg]	Total Bromine [mg/kg]
152	BL	BL	BL	BL	--
153	BL	BL	BL	BL	Inconclusive ^(c)
154	BL	BL	BL	BL	BL
155	BL	BL	BL	BL	BL
156	BL	BL	BL	BL	--
157	BL	BL	BL	BL	BL
158	BL	BL	BL	BL	BL
159	BL	BL	BL	BL	BL
160	BL	BL	BL	BL	BL
161	BL	BL	BL	BL	BL
162	BL	BL	BL	BL	BL
163	BL	BL	BL	BL	BL
164	BL	BL	BL	BL	BL
165	BL	BL	BL	BL	BL
166	BL	BL	BL	BL	BL
167	BL	BL	BL	BL	BL
168	BL	BL	BL	BL	BL
169	BL	BL	BL	BL	BL
170	BL	BL	BL	BL	BL
171	BL	BL	BL	BL	BL
RoHS Requirement	100	1000	1000	1000	1000

Note 1. "mg/kg" denotes milligram per kilogram

2. "BL" denotes below the limit

3. "OL" denotes over the limit

4. "--" denotes Not Applicable

5. "(a)" denotes further confirmation test was conducted, results are listed in 3.2

6. "(b)" denotes further confirmation test was conducted, results are listed in 3.3

7. "(c)" denotes further confirmation test was conducted, results are listed in 3.5

8. "(i)" denotes the exempt item according to Directive 2011/65/EU Annex III item 7(c)-1 "Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound".

XRF screening limits for Cadmium, Lead, Hexavalent Chromium, Mercury and PBBs & PBDEs in mg/kg for regulated elements in various matrices

ELEMENT	POLYMER		
	BL	INCONCLUSIVE	OL
Cd	$X < (70-3\sigma)$	$(70-3\sigma) < X < (130+3\sigma)$	$X > (130+3\sigma)$
Pb	$X < (700-3\sigma)$	$(700-3\sigma) < X < (1300+3\sigma)$	$X > (1300+3\sigma)$
Hg	$X < (700-3\sigma)$	$(700-3\sigma) < X < (1300+3\sigma)$	$X > (1300+3\sigma)$
Br	$X < (300-3\sigma)$	$X > (300-3\sigma)$	NA
Cr	$X < (700-3\sigma)$	$X > (700-3\sigma)$	NA
ELEMENT	METAL		
	BL	INCONCLUSIVE	OL
Cd	$X < (70-3\sigma)$	$(70-3\sigma) < X < (130+3\sigma)$	$X > (130+3\sigma)$
Pb	$X < (700-3\sigma)$	$(700-3\sigma) < X < (1300+3\sigma)$	$X > (1300+3\sigma)$



Hg	$X < (700 - 3\sigma)$	$(700 - 3\sigma) < X < (1300 + 3\sigma)$	$X > (1300 + 3\sigma)$
Cr	$X < (700 - 3\sigma)$	$X > (700 - 3\sigma)$	NA
ELEMENT	COMPLEX MATERIAL		
	BL	INCONCLUSIVE	OL
Cd	$X < (50 - 3\sigma)$	$(50 - 3\sigma) < X < (150 + 3\sigma)$	$X > (150 + 3\sigma)$
Pb	$X < (500 - 3\sigma)$	$(500 - 3\sigma) < X < (1500 + 3\sigma)$	$X > (1500 + 3\sigma)$
Hg	$X < (500 - 3\sigma)$	$(500 - 3\sigma) < X < (1500 + 3\sigma)$	$X > (1500 + 3\sigma)$
Br	$X < (250 - 3\sigma)$	$X > (250 - 3\sigma)$	NA
Cr	$X < (500 - 3\sigma)$	$X > (500 - 3\sigma)$	NA

XRF screening limits for HBCDD in mg/kg for regulated elements in various matrices

ELEMENT	POLYMER		
	BL	INCONCLUSIVE	OL
Br	$X < (50 - 3\sigma)$	$X > (50 - 3\sigma)$	NA

ELEMENT	COMPLEX MATERIAL		
	BL	INCONCLUSIVE	OL
Br	$X < (50 - 3\sigma)$	$X > (50 - 3\sigma)$	NA



3.2 Heavy Metals Content Test (Total Cadmium, Total Lead, Total Mercury, Hexavalent Chromium)

Test method: Microwave digestion / Acid digestion by ICP-OES with reference to EN 62321-4:2014 / A1:2017, EN 62321-5:2014, EN 62321-7-1:2015 and EN 62321-7-2:2017 (For Hexavalent Chromium by UV-vis)
[Reporting Limit= 10 mg/kg for Cadmium, Lead, Mercury and 0.1 µg/cm² for Chromium VI]

Sample	Total Cadmium [mg/kg]	Total Lead [mg/kg]	Total Mercury [mg/kg]	Hexavalent Chromium [mg/kg]	Hexavalent Chromium [µg/cm²]	Conclusion
003	--	--	--	/	<0.1	Pass
005	--	--	--	/	<0.1	Pass
006	--	--	--	/	<0.1	Pass
007	--	--	--	/	<0.1	Pass
014	--	--	--	/	<0.1	Pass
015	--	--	--	/	<0.1	Pass
016	--	--	--	/	<0.1	Pass
018	--	--	--	/	<0.1	Pass
020	--	--	--	<5.0	/	Pass
028	--	--	--	/	<0.1	Pass
031	--	--	--	/	<0.1	Pass
065	--	--	--	/	<0.1	Pass
074	--	--	--	/	<0.1	Pass
077	--	--	--	/	<0.1	Pass
094	--	--	--	/	<0.1	Pass
098	--	--	--	/	<0.1	Pass
127	--	--	--	/	<0.1	Pass
128	--	--	--	/	<0.1	Pass
129	--	--	--	/	<0.1	Pass
132	--	--	--	/	<0.1	Pass
135	--	--	--	/	<0.1	Pass
136	--	--	--	/	<0.1	Pass
139	--	--	--	/	<0.1	Pass
140	--	--	--	/	<0.1	Pass
142	--	--	--	/	<0.1	Pass
150	--	--	--	/	<0.1	Pass
RoHS Requirement	100	1000	--	1000	0.1 [#]	--

- Note 1. "<" denotes less than.
2. "mg/kg" denotes milligram per kilogram.
3. "µg/cm²" denotes microgram per square centimeters



4. “#” denotes Limit for metal CrVI, according to EN 62321

Hexavalent Chromium [µg/cm²]	Conclusion
< 0.1	Pass
0.10 - 0.13	Inconclusive
>0.13	Positive



3.3 Brominated Flame Retardants (PBBs & PBDEs)

Test Method: With reference to EN 62321-6:2015, extraction with toluene and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS).

[Reporting Limit = 5mg/kg]

Test Item		Results [mg/kg]			RoHS Requirement [mg/kg]
		Sample 009+020	Sample 039+048	Sample 054+059+062	
PBBs	Monobromobiphenyl	<5	<5	<5	Sum of PBBs < 1000
	Dibromobiphenyl	<5	<5	<5	
	Tribromobiphenyl	<5	<5	<5	
	Tetrabromobiphenyl	<5	<5	<5	
	Pentabromobiphenyl	<5	<5	<5	
	Hexabromobiphenyl	<5	<5	<5	
	Heptabromobiphenyl	<5	<5	<5	
	Octabromobiphenyl	<5	<5	<5	
	Nonabromobiphenyl	<5	<5	<5	
	Decabromobiphenyl	<5	<5	<5	
	Sum of detected PBBs	<50	<50	<50	
PBDEs	Monobromodiphenyl ether	<5	<5	<5	Sum of PBDEs < 1000
	Dibromodiphenyl ether	<5	<5	<5	
	Tribromodiphenyl ether	<5	<5	<5	
	Tetrabromodiphenyl ether	<5	<5	<5	
	Pentabromodiphenyl ether	<5	<5	<5	
	Hexabromodiphenyl ether	<5	<5	<5	
	Heptabromodiphenyl ether	<5	<5	<5	
	Octabromodiphenyl ether	<5	<5	<5	
	Nonabromodiphenyl ether	<5	<5	<5	
	Decabromodiphenyl ether	<5	<5	<5	
	Sum of detected PBDEs	<50	<50	<50	

Note 1. "<" denotes less than
2. "mg/kg" denotes milligram per kilogram

3.3 Brominated Flame Retardants (PBBs & PBDEs)

Test Method: With reference to EN 62321-6:2015, extraction with toluene and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS).

[Reporting Limit = 5mg/kg]

Test Item		Results [mg/kg]			RoHS Requirement [mg/kg]
		Sample 063+067+079	Sample 102+103	Sample 104+119	
PBBs	Monobromobiphenyl	<5	<5	<5	Sum of PBBs < 1000
	Dibromobiphenyl	<5	<5	<5	
	Tribromobiphenyl	<5	<5	<5	
	Tetrabromobiphenyl	<5	<5	<5	
	Pentabromobiphenyl	<5	<5	<5	
	Hexabromobiphenyl	<5	<5	<5	
	Heptabromobiphenyl	<5	<5	<5	
	Octabromobiphenyl	<5	<5	<5	
	Nonabromobiphenyl	<5	<5	<5	
	Decabromobiphenyl	<5	<5	<5	
	Sum of detected PBBs	<50	<50	<50	
PBDEs	Monobromodiphenyl ether	<5	<5	<5	Sum of PBDEs < 1000
	Dibromodiphenyl ether	<5	<5	<5	
	Tribromodiphenyl ether	<5	<5	<5	
	Tetrabromodiphenyl ether	<5	<5	<5	
	Pentabromodiphenyl ether	<5	<5	<5	
	Hexabromodiphenyl ether	<5	<5	<5	
	Heptabromodiphenyl ether	<5	<5	<5	
	Octabromodiphenyl ether	<5	<5	<5	
	Nonabromodiphenyl ether	<5	<5	<5	
	Decabromodiphenyl ether	<5	<5	<5	
	Sum of detected PBDEs	<50	<50	<50	

Note 1. "<" denotes less than

2. "mg/kg" denotes milligram per kilogram

3.3 Brominated Flame Retardants (PBBs & PBDEs)

Test Method: With reference to EN 62321-6:2015, extraction with toluene and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS).

[Reporting Limit = 5mg/kg]

Test Item		Results [mg/kg]	RoHS Requirement [mg/kg]
		Sample 114+118+123	
PBBs	Monobromobiphenyl	<5	Sum of PBBs <1000
	Dibromobiphenyl	<5	
	Tribromobiphenyl	<5	
	Tetrabromobiphenyl	<5	
	Pentabromobiphenyl	<5	
	Hexabromobiphenyl	<5	
	Heptabromobiphenyl	<5	
	Octabromobiphenyl	<5	
	Nonabromobiphenyl	<5	
	Decabromobiphenyl	<5	
	Sum of detected PBBs	<50	
PBDEs	Monobromodiphenyl ether	<5	Sum of PBDEs <1000
	Dibromodiphenyl ether	<5	
	Tribromodiphenyl ether	<5	
	Tetrabromodiphenyl ether	<5	
	Pentabromodiphenyl ether	<5	
	Hexabromodiphenyl ether	<5	
	Heptabromodiphenyl ether	<5	
	Octabromodiphenyl ether	<5	
	Nonabromodiphenyl ether	<5	
	Decabromodiphenyl ether	<5	
	Sum of detected PBDEs	<50	

Note 1. "<" denotes less than

2. "mg/kg" denotes milligram per kilogram

3.4 Phthalates (DEHP, BBP, DBP and DIBP)

Test Method: with reference to EN 62321-8:2017, extracted by organic solvent and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS). [Reporting Limit = 0.005%]

Test Item	CAS No.	Result [%]		
		Sample 001+002+011	Sample 004+012+017	Sample 013+023+024
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	<0.005	<0.005	<0.005
Dibutyl phthalate, (DBP)	84-74-2	<0.005	<0.005	<0.005
Benzyl butyl phthalate, (BBP)	85-68-7	<0.005	<0.005	<0.005
Diisobutylphthalate, (DIBP)	84-69-5	<0.005	<0.005	<0.005
RoHS Requirement		Each < 0.1%		

Test Item	CAS No.	Result [%]		
		Sample 021+053+121	Sample 025+032+039	Sample 026+033+034
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	0.005	<0.005	<0.005
Dibutyl phthalate, (DBP)	84-74-2	<0.005	<0.005	<0.005
Benzyl butyl phthalate, (BBP)	85-68-7	<0.005	<0.005	<0.005
Diisobutylphthalate, (DIBP)	84-69-5	<0.005	<0.005	<0.005
RoHS Requirement		Each < 0.1%		

Test Item	CAS No.	Result [%]		
		Sample 035+036+038	Sample 042+043+044	Sample 046+070+099
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	<0.005	<0.005	<0.005
Dibutyl phthalate, (DBP)	84-74-2	<0.005	<0.005	<0.005
Benzyl butyl phthalate, (BBP)	85-68-7	<0.005	<0.005	<0.005
Diisobutylphthalate, (DIBP)	84-69-5	<0.005	<0.005	<0.005
RoHS Requirement		Each < 0.1%		

Test Item	CAS No.	Result [%]		
		Sample 085	Sample 102+104+114	Sample 109+110+111
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	0.011	<0.005	0.011
Dibutyl phthalate, (DBP)	84-74-2	<0.005	<0.005	0.009
Benzyl butyl phthalate, (BBP)	85-68-7	<0.005	<0.005	<0.005
Diisobutylphthalate, (DIBP)	84-69-5	<0.005	<0.005	<0.005
RoHS Requirement		Each < 0.1%		

Note 1. "<" denotes less than
2. "%" denotes percentage by weight

3.4 Phthalates (DEHP, BBP, DBP and DIBP)

Test Method: with reference to EN 62321-8:2017, extracted by organic solvent and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS). [Reporting Limit = 0.005%]

Test Item	CAS No.	Result [%]		
		Sample 113+116+120	Sample 118+119	Sample 125+126+130
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	<0.005	<0.005	<0.005
Dibutyl phthalate, (DBP)	84-74-2	<0.005	<0.005	<0.005
Benzyl butyl phthalate, (BBP)	85-68-7	<0.005	<0.005	<0.005
Diisobutylphthalate, (DIBP)	84-69-5	<0.005	<0.005	<0.005
RoHS Requirement		Each < 0.1%		

Test Item	CAS No.	Result [%]		
		Sample 131+133+134	Sample 137+138+144	Sample 145+147+148
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	<0.005	<0.005	<0.005
Dibutyl phthalate, (DBP)	84-74-2	<0.005	<0.005	<0.005
Benzyl butyl phthalate, (BBP)	85-68-7	<0.005	<0.005	<0.005
Diisobutylphthalate, (DIBP)	84-69-5	<0.005	<0.005	<0.005
RoHS Requirement		Each < 0.1%		

Test Item	CAS No.	Result [%]		
		Sample 151+154+157	Sample 153+155+164	Sample 158+159+160
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	<0.005	<0.005	<0.005
Dibutyl phthalate, (DBP)	84-74-2	<0.005	<0.005	<0.005
Benzyl butyl phthalate, (BBP)	85-68-7	<0.005	<0.005	<0.005
Diisobutylphthalate, (DIBP)	84-69-5	<0.005	<0.005	<0.005
RoHS Requirement		Each < 0.1%		

Test Item	CAS No.	Result [%]		
		Sample 161+162+163	Sample 165+166	Sample 167+168
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	0.008	<0.005	<0.005
Dibutyl phthalate, (DBP)	84-74-2	<0.005	<0.005	<0.005
Benzyl butyl phthalate, (BBP)	85-68-7	<0.005	<0.005	<0.005
Diisobutylphthalate, (DIBP)	84-69-5	<0.005	<0.005	<0.005
RoHS Requirement		Each < 0.1%		

Note 1. "<" denotes less than
2. "%" denotes percentage by weight

3.4 Phthalates (DEHP, BBP, DBP and DIBP)

Test Method: with reference to EN 62321-8:2017, extracted by organic solvent and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS). [Reporting Limit = 0.005%]

Test Item	CAS No.	Result [%]		
		Sample 169+170+171	Sample 009	Sample 010
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	<0.005	<0.005	<0.005
Dibutyl phthalate, (DBP)	84-74-2	<0.005	<0.005	<0.005
Benzyl butyl phthalate, (BBP)	85-68-7	<0.005	<0.005	<0.005
Diisobutylphthalate, (DIBP)	84-69-5	<0.005	<0.005	<0.005
RoHS Requirement		Each < 0.1%		

Test Item	CAS No.	Result [%]		
		Sample 020	Sample 027+029+030+041+048	Sample 054+059+060+061+062
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	<0.005	<0.005	<0.005
Dibutyl phthalate, (DBP)	84-74-2	<0.005	<0.005	<0.005
Benzyl butyl phthalate, (BBP)	85-68-7	<0.005	<0.005	<0.005
Diisobutylphthalate, (DIBP)	84-69-5	<0.005	<0.005	<0.005
RoHS Requirement		Each < 0.1%		

Test Item	CAS No.	Result [%]		
		Sample 056	Sample 057	Sample 063
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	<0.005	<0.005	<0.005
Dibutyl phthalate, (DBP)	84-74-2	<0.005	<0.005	<0.005
Benzyl butyl phthalate, (BBP)	85-68-7	<0.005	<0.005	<0.005
Diisobutylphthalate, (DIBP)	84-69-5	<0.005	<0.005	<0.005
RoHS Requirement		Each < 0.1%		

- Note 1. "<" denotes less than
2. "%" denotes percentage by weight

3.4 Phthalates (DEHP, BBP, DBP and DIBP)

Test Method: with reference to EN 62321-8:2017, extracted by organic solvent and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS). [Reporting Limit = 0.005%]

Test Item	CAS No.	Result [%]		
		Sample 066+067+071 +079	Sample 083+091+092 +093	Sample 095+103+123
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	<0.005	<0.005	<0.005
Dibutyl phthalate, (DBP)	84-74-2	<0.005	<0.005	<0.005
Benzyl butyl phthalate, (BBP)	85-68-7	<0.005	<0.005	<0.005
Diisobutylphthalate, (DIBP)	84-69-5	<0.005	<0.005	<0.005
RoHS Requirement		Each < 0.1%		

Test Item	CAS No.	Result [%]		
		Sample 097	Sample 143	Sample 149
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	<0.005	<0.005	<0.005
Dibutyl phthalate, (DBP)	84-74-2	<0.005	<0.005	<0.005
Benzyl butyl phthalate, (BBP)	85-68-7	<0.005	<0.005	<0.005
Diisobutylphthalate, (DIBP)	84-69-5	<0.005	<0.005	<0.005
RoHS Requirement		Each < 0.1%		

Test Item	CAS No.	Result [%]
		Sample 050+051+052+055+081
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	<0.005
Dibutyl phthalate, (DBP)	84-74-2	<0.005
Benzyl butyl phthalate, (BBP)	85-68-7	<0.005
Diisobutylphthalate, (DIBP)	84-69-5	<0.005
RoHS Requirement		Each < 0.1%

- Note 1. "<" denotes less than
2. "%" denotes percentage by weight

3.5 Hexabromocyclododecane (HBCDD)

Test method: In-house method, extracted by organic solvent and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS). [Reporting limit: 5 mg/kg].

Test Item	Result [mg/kg]		Maximum Permissible Limit [mg/kg]
	Sample 009+020+085	Sample 039+048	
Hexabromocyclododecane (HBCDD)	< 5	< 5	75

Test Item	Result [mg/kg]		Maximum Permissible Limit [mg/kg]
	Sample 054+059+062	Sample 063+067+079	
Hexabromocyclododecane (HBCDD)	< 5	< 5	75

Test Item	Result [mg/kg]		Maximum Permissible Limit [mg/kg]
	Sample 102+103	Sample 104+119	
Hexabromocyclododecane (HBCDD)	< 5	< 5	75

Test Item	Result [mg/kg]		Maximum Permissible Limit [mg/kg]
	Sample 114+118+123	Sample 057+060+070	
Hexabromocyclododecane (HBCDD)	< 5	< 5	75

Test Item	Result [mg/kg]	Maximum Permissible Limit [mg/kg]
	Sample 153	
Hexabromocyclododecane (HBCDD)	< 5	75

Note:

1. "mg/kg" denotes miligram per kilogram
2. "<" denotes less than
3. The specification was quoted from POPs (Persistent Organic Pollutants) regulation EU 2019/1021.

Test Report No.: 87.400.24.0228.01-00.01

Dated: 2024-08-12



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APPENDIX I: Additional Style.

The client declared that the tested materials were also used in the following styles.

JK-200A,JK-200B,JK-1101A,JK-1101B,JK-1101C,JK-1101D,
JK-1102A,JK-1102B,JK-1102C,JK-1102D,
JK1153-4,JK200-2, JK1101-4,JK1101-2,JK1153-2, JK-1102-5,JK-200F,
JK1161-2, JK1161-4,JK1161F-2,JK1161F-4,JK1161P-4,
JK1153F-2,JK1153F-4, JK1162,JK1163,JK1165-2, JK1165-4 , JK1165P-2, JK1165P-4, JK1171-2,JK1171-4,JK1171P-2, JK1171P-4,
JK1172-6, JK1172P-6, JK1172-8, JK1172P-8, JK1172-10, JK1172P-10,
JK1181,JK1182, JK1185, JK1185-8, JK1186, JK1186-8,
JK1172A-10, JK1172C-10,
JK1192-10, JK1192A-10, JK1192C-10, JK1192-12, JK1192A-12, JK1192C-12, JK1195-2,JK1195-4,JK1212,
JK1192C-15,JK1192A-15, JK1213
JK1215A-6,JK1215A-8,JK1215A-10, JK1215C-6, JK1215C-8, JK1215C-10
JK1217, JK1217B,JK1217C
JK1216A-6,JK1216A-8, JK1216A-10,JK1216A-11, JK1216C-6, JK1216C-8, JK1216C-10, JK1216C-11,
JK1186-10, JK1225,
JK1213C-15, JK1213A-15,

JK1230, JK1232, JK1232-12, JK1232-15, JK1228, JK1229, JK1229-12, JK1229-15

JK1235, JK1235-10, JK1235-12, JK1235-15
JK1236, JK1236-10, JK1236-12, JK1236-15
JK200-4S, JK200F-4S, JK1101-4S
JK1153-4S, JK1153F-4S
JK1161-4S, JK1161F-4S
JK1165-4S, JK1165P-4S
JK1171-4S, JK1171P-4S, JK1195-4S
JK1217-4S, JK1217B-4S, JK1217C-4S
JK1230-4S, JK1225-4S

JK1172A-12, JK1172A-15, JK1172C-12, JK1172C-15
JK1228V-6
JK1237-6, JK1237-8, JK1237-10, JK1237-12, JK1237-15.

JK 1239, JK1241, JK1249

Remark :

1. The report covers material testing on specified samples
2. The tested materials covered by the report were declared by the manufacturer to be used on the models listed in the APPENDIX of the report.

-- END OF THE TEST REPORT --