

TEST REPORT

APPLICANT : YUYAO OUBEI ELECTRIC APPLIANCES CO.,LTD

ADDRESS : LONGWANGTANG VILLAGE,LANGXIA
STERRT,YUYAO,NINGBO

TESTED SAMPLE DESCRIPTION : SANDWICH MAKER+GRILL

TESTED ITEM NO. : K-902

REFERENCE ITEM NO. : PLEASE REFER TO PAGE 2

MANUFACTURER : YUYAO OUBEI ELECTRIC APPLIANCES CO.,LTD

AGE REQUESTED ON APPLICATION FORM : NOT PRESENT

SAMPLE RECEIVED DATE : 05-May-2023

TEST PERIOD : 11-May-2023 to 24-May-2023

The following test item(s) was/were performed on submitted sample(s) and/or component(s) confirmed by applicant

TEST REQUESTED	RESULT
RoHS Directive 2011/65/EU and its amendment Directive (EU) 2015/863.	PASS

The above sample(s) and sample information was/were submitted and identified on behalf of the applicant. Eurofins will not be liable for the authenticity of the information. This test report is valid for the tested sample only. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products. Unless otherwise required by the applicant or method/regulation, decision rule in this report did not consider the measurement uncertainty.

***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

SIGNED FOR AND ON BEHALF OF
EUROFINS TESTING TECHNOLOGY (SHENZHEN) CO., LTD.



Harry Chen
Senior R&D Manager



Coco Luo
Senior Lab Manager



General remark:

Sample information provided by customer:

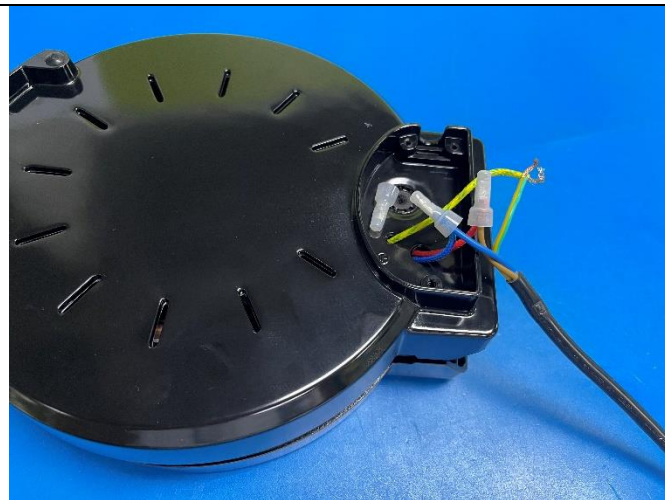
REFERENCE ITEM NO. : SANDWICH MAKER: :K-505,K-505B,K-701,K-701B,K-702,K-703,K-705,K-706,K-707,K-708,K-709,K-709C,K-709D,K-710,K-711,K-712,K-713,K-715,K-715B,K-716,K-717,K-717B,K-718,K-718-2,K-719,K-720,K-720B,K-721,K-721B,K-721-1,K-721-2,K-722,K-722B,K-723,K-723B,K-725,K-726,K-726B,K-727,K-727B,K-728,K-728B,K-729,K-777,K-777-2,K-777B,K-800,K-800B,K-801,K-801B,K-802,K-803,K-803B,K-805,K-806,K-807,K-808,K-809,K-810,K-901,K-901B,K-902,K-902B,K-903,K-905,K-905B,K-906,K-907,K-908,K-909,K-910,K-911,K-911B,K-912,K-912B,K-913,K-913B,K-915,K-915B,K-916,K-916B,K-917,K-917B,K-918,K-918B,K-919,K-920,K-921,K-922,K-925,K-926,K-927,K-928,K-929

GRILL:B-100,B-100B,B-101,B-102,B-103,B-103B,B-105,B-106,B-107,B-108,B-109,B-110,B-111,B-112,B-113,B-115,B-116,B-117,B-120,B-121,B-122,B-198,B-198B,B-199,B-199B,B-200,B-201,B-202,B-202B,B-203,B-205,B-205-1,B-205-2,B-206,B-206-1,B-206-2,B-207,B-208,B-209,B-210,B-211,B-212,B-280,B-280-1,B-280-2,B-280-3,B-281,B-281-1,B-281-2,B-281-3,B-282,B-282-1,B-282-2,B-282-3,B-283,B-283-1,B-283-2,B-283-3,B-285,B-285-1,B-285-2,B-285-3,B-286,B-287,B-288,B-289,B-290,B-291,B-292,B-293,B-295,B-296,B-297,B-298,B-299

TESTED SAMPLE PHOTO(S)**EFSN23050120-C-0102**

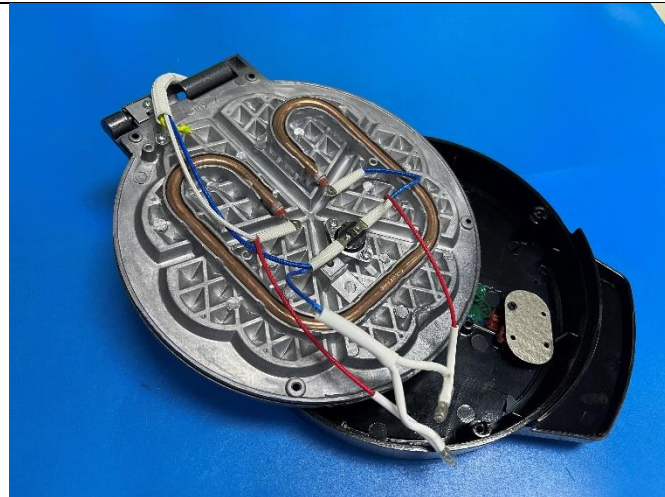
TESTED SAMPLE PHOTO(S)

Material No. 1-5

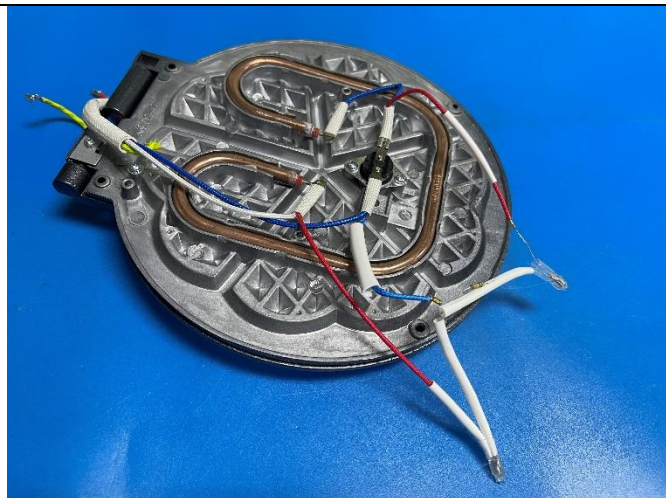
Material No. 6-11

Material No. 12-14

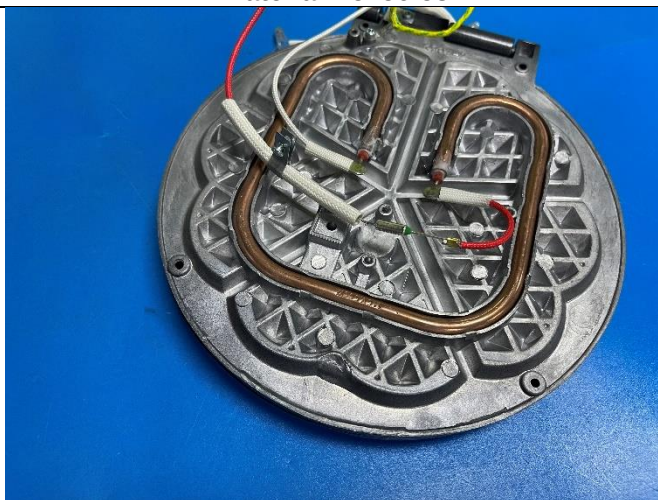
Material No. 15-17

Material No. 18-20

Material No. 21


TESTED SAMPLE PHOTO(S)

Material No. 22-46

Material No. 47-55

Material No. 56-58


COMPONENT LIST

A SANDWICH MAKER+GRILL

Component No.	Component	Sample No.
1	Black soft plastic plug	A
2	Black plastic plug	A
3	Silvery metal pin of plug	A
4	Silvery metal sheet of plug	A
5	Black soft plastic power cable	A
6	Blue soft plastic wire	A
7	Brown soft plastic wire	A
8	Yellow and green soft plastic wire	A
9	Copper metal wire core	A
10	Semi-transparent plastic cap end of wire	A
11	Silvery metal ring of cap	A
12	Black plastic enclose of sandwich maker	A
13	Red plastic light cover	A
14	Green plastic light cover	A
15	Black plastic sheet on bottom of sandwich maker	A
16	Silvery metal screw	A
17	Black soft plastic foot pad	A
18	Silvery metal heating plate	A
19	Metallic grey coating on heating plate	A
20	Black metal screw	A
21	Grey mica sheet inside of sandwich maker	A
22	Transparent glass light	A
23	Grey and red metal pin of light	A
24	Transparent plastic tube of light	A
25	Multicolor khaki ceramic resistor	A
26	Silvery metal pin of resistor and light	A
27	Golden metal clip	A
28	White soft plastic tube of light and resistor	A
29	Silvery metal socket	A
30	White textile/glue tube of metal socket	A
31	Copper metal heating tube	A
32	Red soft plastic cover and off-white glue of heating tube	A
33	Silvery metal pin of heating tube	A
34	Silvery metal sheet on pin of heating tube	A
35	Beige sand inside of heating tube	A
36	Silvery metal wire inside of heating tube	A
37	White soft plastic wire	A
38	Silvery metal wire core	A
39	Red textile cover of wire	A
40	Blue textile cover of wire	A
41	White textile cover of wire	A
42	Yellow and green textile cover of wire	A
43	White plastic tube of wire and fuse	A
44	White textile cover of tube	A
45	Silvery metal O ring end of wire	A
46	Silvery metal sheet on connector of heating plate	A
47	Shiny silvery metal cover of thermal protector	A
48	Black plastic case and disc of thermal protector	A
49	Silvery metal pin of thermal protector	A

Component No.	Component	Sample No.
50	White ceramic stick inside of thermal protector	A
51	Light golden metal with grey printing disc inside of thermal protector	A
52	Golden metal sheet inside of thermal protector	A
53	Copper metal sheet inside of thermal protector	A
54	Silvery metal rivet of thermal protector	A
55	Copper metal silvery dot on sheet of thermal protector	A
56	Silvery metal holder sheet of fuse	A
57	Silvery metal hull of fuse	A
58	Silvery metal pin of fuse	A

TEST RESULT

RoHS

Test Method : (1) Screening by XRF Spectroscopy:
IEC 62321-3-1: 2013, Lead, Mercury, Cadmium, total Chromium and total Bromine by X-ray fluorescence spectrometry

(2) Wet Chemical test:
Cadmium, Lead: IEC 62321-5: 2013, determined by ICP-OES.
Mercury: IEC 62321-4: 2013/AMD1: 2017, determined by ICP-OES.
Chromium (VI): IEC 62321-7-1: 2015 and IEC 62321-7-2: 2017, determined by UV/VIS.
PBBs & PBDEs: IEC 62321-6: 2015, determined by GC-MS.

(3) DBP, BBP, DEHP and DiBP: IEC 62321-8:2017

Test Result :

Test No.	Material No.	XRF Results (mg/kg) (1)		Screening Results of PHTH (mg/kg) (2)	Wet Chemical Confirmation Result (mg/kg) (3)
1	1	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	BL	--	--
		PBDEs	BL	--	--
		DBP	--	BL	--
		BBP	--	BL	--
		DEHP	--	BL	--
		DiBP	--	BL	--
2	2	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	IN	--	N.D.
		PBDEs	IN	--	N.D.
		DBP	--	BL	--
		BBP	--	BL	--
		DEHP	--	BL	--
		DiBP	--	BL	--

TO BE CONTINUED

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TEST RESULT

Test No.	Material No.	XRF Results (mg/kg) (1)		Screening Results of PHTH (mg/kg) (2)	Wet Chemical Confirmation Result (mg/kg) (3)
3	3	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--
4	4	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--
5	5	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	BL	--	--
		PBDEs	BL	--	--
		DBP	--	BL	--
		BBP	--	BL	--
		DEHP	--	BL	--
		DiBP	--	BL	--
6	6	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	BL	--	--
		PBDEs	BL	--	--
		DBP	--	BL	--
		BBP	--	BL	--
		DEHP	--	BL	--
		DiBP	--	BL	--

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TEST RESULT

Test No.	Material No.	XRF Results (mg/kg) (1)		Screening Results of PHTH (mg/kg) (2)	Wet Chemical Confirmation Result (mg/kg) (3)
7	7	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	BL	--	--
		PBDEs	BL	--	--
		DBP	--	BL	--
		BBP	--	BL	--
		DEHP	--	BL	--
		DiBP	--	BL	--
8	8	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	BL	--	--
		PBDEs	BL	--	--
		DBP	--	BL	--
		BBP	--	BL	--
		DEHP	--	BL	--
		DiBP	--	BL	--
9	9	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--
10	10	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	BL	--	--
		PBDEs	BL	--	--
		DBP	--	BL	--
		BBP	--	BL	--
		DEHP	--	BL	--
		DiBP	--	BL	--

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Test No.	Material No.	XRF Results (mg/kg) (1)		Screening Results of PHTH (mg/kg) (2)	Wet Chemical Confirmation Result (mg/kg) (3)
11	11	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--
12	12	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	BL	--	--
		PBDEs	BL	--	--
		DBP	--	BL	--
		BBP	--	BL	--
		DEHP	--	BL	--
		DiBP	--	BL	--
13	13	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	BL	--	--
		PBDEs	BL	--	--
		DBP	--	BL	--
		BBP	--	BL	--
		DEHP	--	BL	--
		DiBP	--	BL	--
14	14	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	BL	--	--
		PBDEs	BL	--	--
		DBP	--	BL	--
		BBP	--	BL	--
		DEHP	--	BL	--
		DiBP	--	BL	--

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TEST RESULT

Test No.	Material No.	XRF Results (mg/kg) (1)		Screening Results of PHTH (mg/kg) (2)	Wet Chemical Confirmation Result (mg/kg) (3)
15	15	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	IN	--	N.D.
		PBDEs	IN	--	47
		DBP	--	BL	--
		BBP	--	BL	--
		DEHP	--	BL	--
		DiBP	--	BL	--
16	16	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	IN	--	Negative
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--
17	17	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	BL	--	--
		PBDEs	BL	--	--
		DBP	--	BL	--
		BBP	--	BL	--
		DEHP	--	BL	--
		DiBP	--	BL	--
18	18	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	IN	--	Negative
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--

TO BE CONTINUED

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TEST RESULT

Test No.	Material No.	XRF Results (mg/kg) (1)		Screening Results of PHTH (mg/kg) (2)	Wet Chemical Confirmation Result (mg/kg) (3)
19	19	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	BL	--	--
		PBDEs	BL	--	--
		DBP	--	BL	--
		BBP	--	BL	--
		DEHP	--	BL	--
		DiBP	--	BL	--
20	20	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	IN	--	Negative
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--
21	21	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--
22	22	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--

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23	23	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--
24	24	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	BL	--	--
		PBDEs	BL	--	--
		DBP	--	BL	--
		BBP	--	BL	--
		DEHP	--	BL	--
		DiBP	--	BL	--
25	25	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	BL	--	--
		PBDEs	BL	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--
26	26	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--

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27	27	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--
28	28	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	BL	--	--
		PBDEs	BL	--	--
		DBP	--	BL	--
		BBP	--	BL	--
		DEHP	--	BL	--
		DiBP	--	BL	--
29	29	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--
30	30	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	BL	--	--
		PBDEs	BL	--	--
		DBP	--	BL	--
		BBP	--	BL	--
		DEHP	--	BL	--
		DiBP	--	BL	--

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Test No.	Material No.	XRF Results (mg/kg) (1)		Screening Results of PHTH (mg/kg) (2)	Wet Chemical Confirmation Result (mg/kg) (3)
31	31	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--
32	32	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	BL	--	--
		PBDEs	BL	--	--
		DBP	--	BL	--
		BBP	--	BL	--
		DEHP	--	BL	--
		DiBP	--	BL	--
33	33	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--
34	34	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--

TO BE CONTINUED

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TEST RESULT

Test No.	Material No.	XRF Results (mg/kg) (1)		Screening Results of PHTH (mg/kg) (2)	Wet Chemical Confirmation Result (mg/kg) (3)
35	35	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--
36	36	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	IN	--	Negative
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--
37	37	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	BL	--	--
		PBDEs	BL	--	--
		DBP	--	BL	--
		BBP	--	BL	--
		DEHP	--	BL	--
		DiBP	--	BL	--
38	38	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--

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TEST RESULT

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39	39	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	BL	--	--
		PBDEs	BL	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--
40	40	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	BL	--	--
		PBDEs	BL	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--
41	41	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	BL	--	--
		PBDEs	BL	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--
42	42	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	BL	--	--
		PBDEs	BL	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--

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TEST RESULT

Test No.	Material No.	XRF Results (mg/kg) (1)		Screening Results of PHTH (mg/kg) (2)	Wet Chemical Confirmation Result (mg/kg) (3)
43	43	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	BL	--	--
		PBDEs	BL	--	--
		DBP	--	BL	--
		BBP	--	BL	--
		DEHP	--	BL	--
		DiBP	--	BL	--
44	44	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	BL	--	--
		PBDEs	BL	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--
45	45	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--
46	46	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--

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TEST RESULT

Test No.	Material No.	XRF Results (mg/kg) (1)		Screening Results of PHTH (mg/kg) (2)	Wet Chemical Confirmation Result (mg/kg) (3)
47	47	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--
48	48	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	BL	--	--
		PBDEs	BL	--	--
		DBP	--	BL	--
		BBP	--	BL	--
		DEHP	--	BL	--
		DiBP	--	BL	--
49	49	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--
50	50	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--

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TEST RESULT

Test No.	Material No.	XRF Results (mg/kg) (1)		Screening Results of PHTH (mg/kg) (2)	Wet Chemical Confirmation Result (mg/kg) (3)
51	51	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	IN	--	Negative
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--
52	52	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--
53	53	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--
54	54	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--

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TEST RESULT

Test No.	Material No.	XRF Results (mg/kg) (1)		Screening Results of PHTH (mg/kg) (2)	Wet Chemical Confirmation Result (mg/kg) (3)
55	55	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--
56	56	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--
57	57	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	IN	--	Negative
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--
58	58	Cd	BL	--	--
		Pb	BL	--	--
		Hg	BL	--	--
		Cr(VI)	BL	--	--
		PBBs	NA	--	--
		PBDEs	NA	--	--
		DBP	--	NA	--
		BBP	--	NA	--
		DEHP	--	NA	--
		DiBP	--	NA	--

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TEST RESULT

Remark:

(1) (a) It is the result on total Br while test item on restricted substances is PBBs/PBDEs. It is the result on total Cr while test item on restricted substances is Cr(VI).

(b) Results are obtained by EDXRF for primary screening, and further chemical testing by ICP (for Cd, Pb, Hg), UV-VIS (for Cr(VI)) and GC/MS (for PBBs, PBDEs) is recommended to be performed, if the concentration exceeds the below warning value according to IEC62321.

XRF Screening Limits in mg/kg for Regulated Elements in Various Matrices:

Element	Polymer Materials	Metallic Materials	Composite Materials
Cd	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$LOD < X < (150+3\sigma) \leq OL$
Pb	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Hg	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Cr	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X$	$BL \leq (500-3\sigma) < X$
Br	$BL \leq (300-3\sigma) < X$	-	$BL \leq (250-3\sigma) < X$

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

Note: BL= Below Limit

OL= Over Limit

IN = Inconclusive

LOD = Limit of Detection

N.D. = Not Detected (<MDL)

NA = Not Applicable

- = Not Regulated

-- = Not Conducted

mg/kg = milligram per kilogram = ppm = 0.0001%

(2) Screening results of PHTH are for primary screening, and further chemical testing by GC-MS (for DBP, BBP, DEHP and DiBP) are recommended to be performed if the concentration exceeds the below warning value (unit: mg/kg)

Compound	Polymer Materials
DBP	$BL \leq 600 < X$
BBP	$BL \leq 600 < X$
DEHP	$BL \leq 600 < X$
DiBP	$BL \leq 600 < X$

(3) (a) Unit and Method Detected Limit (MDL) in wet chemical test.

Testing Item	Detection Limit
Cadmium, Lead & Mercury	10 mg/kg
Chromium (VI)	10 mg/kg
Polybrominated Biphenyls (PBBs) & Polybrominated Diphenyl Ethers (PBDEs)	10 [^] mg/kg
Dibutylphthalate (DBP)	50 mg/kg
Benzylbutylphthalate (BBP)	50 mg/kg
Diethylhexylphthalate (DEHP)	50 mg/kg
Diisobutyl phthalate (DiBP)	50 mg/kg

TO BE CONTINUED

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TEST RESULT

^ The MDL for single compound of PBBs and PBDEs.

(b) According to IEC 62321, result on Cr(VI) for metal sample is shown as Positive/Negative.

Negative = Absence of Cr(VI) coating.

Positive = Presence of Cr(VI) coating.

(4) RoHS Requirement:

Restricted Substances	Limits[^]
Cadmium (Cd)	0.01% (100 mg/kg)
Lead (Pb)	0.1% (1000 mg/kg)
Mercury (Hg)	0.1% (1000 mg/kg)
Chromium (VI) (Cr VI)	0.1% (1000 mg/kg)
Polybrominated Biphenyls (PBBs)	0.1% (1000 mg/kg)
Polybrominated Diphenyl Ethers (PBDEs)	0.1% (1000 mg/kg)
Dibutylphthalate (DBP)	0.1% (1000 mg/kg)
Benzylbutylphthalate (BBP)	0.1% (1000 mg/kg)
Diethylhexylphthalate (DEHP)	0.1% (1000 mg/kg)
Diisobutyl phthalate (DiBP)	0.1% (1000 mg/kg)

^The above limits were quoted from 2011/65/EU and its amendment Directive (EU) 2015/863 for homogeneous material.

Other Information / Remark:

N/A

END OF THE REPORT

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