TEST REPORT

LAB NO. : **(8821)158-0019**
DATE : **Jun 12, 2021**
PAGE : **1 OF 26**

APPLICANT	:	**SHENZHEN FUJIA APPLIANCE CO., LTD.** **深圳市福佳电器有限公司** 5F OF BUILDING F, HENGCHANGRONG(XINGHUI) SCI-TECH. PARK, HUANING ROAD, LONGHUA DISTRICT, SHENZHEN,GUANGDONG, P.R.CHINA. 广东省深圳市龙华区大浪街道华宁路西恒昌荣（星辉）科技园F栋5楼
DATE OF SUBMISSION	:	JUN 4, 2021
TEST PERIOD	:	JUN 4, 2021 TO JUN 12, 2021
SAMPLE DESCRIPTION	:	SWITCHING ADAPTER
Style No. :		SEE ATTACHMENT
Manufacturer :		HUIZHOU FUJIA APPLIANCE TECH. CO., LTD. 惠州市福佳电器科技有限公司 BUILDING B OF YAOYU IND. PARK, SHATIAN TOWN, HUIYANG DISTRICT, HUIZHOU, GUANGDONG, P.R.CHINA 广东省惠州市惠阳区沙田镇东明村耀裕工业园B幢
Sample Size :		1

BUREAU VERITAS SHENZHEN CO.,LTD
DONGGUAN BRANCH

Harvey Xue
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RT/ Joy Li

REMARK

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SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
European Parliament and Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS)	PASS	-
The BBP/DBP/DEHP/DIBP content requirements of the European Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) with its Amendment Directive 2015/ 863	PASS	-

ATTACHMENT:

Style No(s):

1.Model:FJ-SWxy Series and FJ-SW4800500, FJ-SW4801000, FJ-SW4801200, FJ-SW4801250, FJ-SW4801300, FJ-SW4801500, FJ-SW5201200, FJ-SW5401200.

2.Model:FJ-SWxyD Series and FJ-SW4800500D, FJ-SW4801000D, FJ-SW4801300D, FJ-SW4801500D, FJ-SW5201200D, FJ-SW5401200D.

3.Model:FJ-SWmxxxyyyyzn Series

'm'=116 or 728

'n'= B, E,U, N, B means fixed UK plug provided, E means fixed European plug provided, , U means fixed USA plug provided, N means detachable plug provided.

4.Model:FJ-SWqxxxyyyyzn Series

'q'=126 or 726

'n'= B, E,U, N, B means fixed UK plug provided, E means fixed European plug provided, , U means fixed USA plug provided, N means detachable plug provided.

5.Model:FJ-SWxxxyyyyg Series

'g'= B, E,U, N, B means fixed UK plug provided, E means fixed European plug provided, , U means fixed USA plug provided, N means detachable plug provided.

6.Model:FJ-SWxxxyyyyz Series

'z'= B, E,U, N, B means fixed UK plug provided, E means fixed European plug provided, , U means fixed USA plug provided, N means detachable plug provided.

7.Model:FJ-SW2018xxxyyyy Series

8.Model:FJ-SW2018xxxyyyyD Series

9.Model:FJ-SW1982400500n Series

'n' = B, E, U, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided

10.Model:FJ-SW268050yyyyN Series,CD104,20328

'N' =B, E, U, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided

11. Model: Model:FJ-SW2660501000z,FJ-SW2660500500z,FJ-SW2660500550z,CD112.
'z' =B, E, U, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided
12. Model:FJ-SWaxxxyyyyzn Series
'a'=126L or 728L
'n'=B, E,U, N, B means fixed UK plug provided, E means fixed European plug provided, , U means fixed USA plug provided, N means detachable plug provided.
13. Model:FJ-SW266Bz050yn Series
'n' =B, E, U, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided.
14. Model:FJ-SW307050yyyyN Series, FJ-SW307C050yyyyN Series, NEXT-04AC, NEXT-04AC-4P
15. Model:FJ-SW328zxxxyyyyn Series
'n'=B, E,U, N, B means fixed UK plug provided, E means fixed European plug provided, , U means fixed USA plug provided, N means detachable plug provided.
16. Model:FJ-SW338xxxyyyyn Series
'n'=B, E,U, N, B means fixed UK plug provided, E means fixed European plug provided, , U means fixed USA plug provided, N means detachable plug provided.
17. Model:FJ-SW368xxxyyyyn Series
'n'=B, E,U, N, B means fixed UK plug provided, E means fixed European plug provided, , U means fixed USA plug provided, N means detachable plug provided.
18. Model:FJ-SW3006xxxyyyy Series
19. Model:FJ-SW3006xxxyyyyD Series
20. Model:FJ-SW2021xxxyyyyD Series
21. Model: FJ-SW11A050yyyyn Series
'n'=B, E,U, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided.
22. Model:FJ-SW11B050yyyyn Series
'n'=B, E,U, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided.
23. Model: FJ-SW248xxxyyyyn , FJ-SW248Cxxxyyyyn Series
'n'=B, E,U, N, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided, N means detachable plug provided.
24. Model:FJ-SW339x050yN, CGTR-393-BLK
25. Model:FJ-SW360AN, FJ-SW360BN
26. Model: FJ-SW920znyyyyyD Series, S610T5C1, S620T5C1
27. Model:FJ-SW2025xy Series
28. Model:FJ-SW2025xyD Series
29. Model:FJ-SW2026xy Series
30. Model:FJ-SW2026xyD Series
31. Model:FJ-SW2027xy, FJ-SW2027Axy Series
32. Model: FJ-SW2027xyD, FJ-SW2027AxyD Series
33. Model:FJ-SW332050yzn Series
'n'=B, E,U, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA

plug provided.

34. Model: FJ-SW2017xxxyyy Series
35. Model: FJ-SW2017xxxyyyD Series
36. Model:FJ-SW2028xy, FJ-SW2028Axy Series
37. Model: FJ-SW2028xyD, FJ-SW2028AxyD Series
38. Model: FJ-SW268050yyyyN, FJ-SW268D050yyyyN Series
    'N'=B, E, U, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided
39. Model: FJ-SW600AnSeries
    'n'=B, E, U, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided
40. Model: FJ-SW600nSeries
    'n'=B, E, U, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided
41. Model: FJ-SW268UnSeries
    'n'=B, E, U, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided
42. Model: FJ-SW628n , FJ-SW638An, FJ-SW638Dn, FJ-SW638En Series
    'n'=B, E, U, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided
43. Model: FJ-SW638CnSeries
    'n'=B, E, U, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided
44. Model: FJ-SW648An , FJ-SW926An Series
    'n'=B, E, U, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided
45. Model: FJ-SW238B060yyyyDn, FJ-SW238B0840600Dn, FJ-SW238B0901000Dn, FJ-SW238B120yyyyDn, FJ-SW238B2520600DnSeries
    'n'=B, E,U, N, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided, N means detachable plug provided.
46. Model: FJ-SW238xxxyyyyzn, FJ-SW2381301000zn Series
    'n'=B, E,U, N, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided, N means detachable plug provided.
47. Model:FJ-SW126Gxxxyyyyn, FJ-SW726Gxxxyyyyn Series
    'n'=B, E,U, N, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided, N means detachable plug provided.
48. Model: FJ-SWaxxxyyyyzn Series
    'a'=126K or 728K
    'n'=B, E,U, N, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided, N means detachable plug provided.
49. Model: FJ-SW263Q3n Series
    'n'=B, E, N, B means fixed UK plug provided, E means fixed European plug provided,
    N means detachable plug provided.

50. Model: FJ-SW248Gxxxyyyyn,FJ-SW2018GxxxyyyyD Series
'n'=B, E,U, N, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided, N means detachable plug provided.
51. Model: FJ-SW528Gxxxyyyyn,FJ-SW2026GxxxyyyyD Series
'n'=B, E,U, N, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided, N means detachable plug provided.
52. Model: FJ-SW618En FJ-SW618E-2n FJ-SW268En FJ-SW268E-2n Series
'n'=B, E,U, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided.
53. Model: FJ-SW618HZU, FJ-SW618HGn, FJ-SW618H-1n, FJ-SW618H-B, FJ-SW618JZU, FJ-SW618JGn, FJ-SW618Qn, FJ-SW618HZ20U, FJ-SW618HG20n, FJ-SW618H-120n, FJ-SW618H20Gn, FJ-SW618H-B20 Series
'n'=B, E,U, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided.
54. Model: FJ-SW2025Gxxxyyyy Series
55. Model: FJ-SW2025GxxxyyyyD Series
56. Model: FJ-SW112Axxxyyyyn Series
'n'=B, E,U, N, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided, N means detachable plug provided.
57. Model: FJ-SW212xxxyyyyn Series
n'=B, E, U, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided
58. Model: FJ-SW205050yyyyn Series
n'=B, E, U, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided
59. Model: FJ-SW2029xxxyyyy Series
60. Model:FJ-SW218n, FJ-SW219n
'n'=B, E,U, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided.
61. Model:FJ-SW286-2
62. Model:FJ-SW386-2
63. Model:FJ-SW600Bn
'n'=B, E,U, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided.
64. Model:FJ-SW638Fn
'n'=B, E,U, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided.
65. Model:FJ-SW638Gn, FJ-SW638Hn
'n'=B, E,U, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided.
66. Model:FJ-SW648Dn, FJ-SW648Fn
'n'=B, E,U, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided.

67. Model:FJ-SW926Cn
'n'=B, E,U, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided.
68. Model:FJ-SW124Tn
'n'=B, E,U, N, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided, N means detachable plug provided.
69. Model: FJ-SW124xxxyyyyn
'n'=B, E,U, N, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided, N means detachable plug provided.
70. Model: FJ-SW729xxxyyyyn
'n'=E,U, N, E means fixed European plug provided, U means fixed USA plug provided, N means detachable plug provided.
71. Model: FJ-SW729Bxxxyyyyn
'n'=E,U, N, E means fixed European plug provided, U means fixed USA plug provided, N means detachable plug provided.
72. Model: FJ-SW729Cxxxyyyyn
'n'=E,U, N, E means fixed European plug provided, U means fixed USA plug provided, N means detachable plug provided.
73. Model: FJ-SW220U
U means fixed USA plug provided.
74. Model: FJ-SW245U
U means fixed USA plug provided.
75. Model: FJ-SW258xxxyyyyn
'n'=B, E,U, N, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided, N means detachable plug provided.
76. Model: FJ-SW650CCU, FJ-SW650CAU
U means fixed USA plug provided.
77. Model: FJ-SW2026Gxxxyyyy Series
78. Model: FJ-SW248D2610780n
'n'=B, E,U, N, B means fixed UK plug provided, E means fixed European plug provided, U means fixed USA plug provided, N means detachable plug provided.

Photo of the Submitted Sample



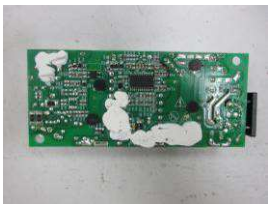
Test Item Description and Photo List

Test Item(s)	Sample Photo	Item / Component Description(s)	Location(s)	Style(s)
I001		Black plastic	Case, switching adapter	FJ-SW202 812011500 D
I002		Black soft plastic	Pads, case, switching adapter	
I003		White printed black plastic	Label, case, switching adapter	
I004		Silvery metal	Heat sink, PCB	-
I005		Silvery solder	Solder, heat sink ,PCB	-
I006		Black plastic	Insulation board	-
I007		Yellow plastic with adhesive	Adhesive tape	-
I008		Gray soft plastic	Cushion, PCB	-
I009		Black plastic	Case, AC socket	-
I010		Silvery metal	AC plug(EU)	-
I011		Silvery metal	Contact plate, AC socket	-
I012		Yellow plastic with adhesive	Adhesive tape, inductance	-
I013		Green core	Core of inductance	-
I014		Coppery metal	Coil of inductance	-
I015		Brown plastic	Board, inductance	-
I016		Black soft plastic	Inductance sleeve	-
I017		Yellow plastic	Capacitor sleeve	-
I018		Silvery plastic	Filler, capacitor	-
I019		Blue body	Capacitor	-
I020		Black body	BD1	-
I021		Silvery metal	Screw, heat sink	-

Test Item Description and Photo List

Test Item(s)	Sample Photo	Item / Component Description(s)	Location(s)	Style(s)
I022		Black plastic	Fuse sleeve	-
I023		Black plastic	Holder, fuse	-
I024		Silvery metal	Horn, fuse	-
I025		Black soft plastic	NTC1 sleeve	-
I026		Black body	NTC1	-
I027		Dark red plastic	Capacitor sleeve	-
I028		Silvery metal	Nut, heat sink	-
I029		Black body	Diode, heat sink	-
I030		White printed black plastic	Electrolytic capacitor sleeve	-
I031		Silvery metal	Electrolytic capacitor shell	-
I032		Black soft plastic	Rubber seal	-
I033		Gray metal	Aluminum foil	-
I034		Silvery metal	Aluminum foil	-
I035		Brown paper	Electrolytic paper	-
I036		Silvery metal	Pin of electrolytic capacitor	-
I037		White printed green plastic	Electrolytic capacitor sleeve	-
I038		White printed blue plastic	Electrolytic capacitor sleeve	-
I039		Yellow plastic with adhesive	Adhesive tape, transformer	-
I040		Black plastic	Frame, transformer	-
I041		Transparent plastic	Insulation	-
I042		Coppery metal	Wire	-

Test Item Description and Photo List

Test Item(s)	Sample Photo	Item / Component Description(s)	Location(s)	Style(s)
I043		Gray core	Core of transformer	-
I044		Coppery metal	Coil of transformer	-
I045		White glue	Glue	-
I046		Black body	Transistor, heat sink	-
I047		White plastic	Ring, heat sink	-
I048		Gray soft plastic	Patch, heat sink	-
I049		Black soft plastic	Pads, PCB	-
I050		Black body	SMD IC	-
I051		Black body	SMD resistor	-
I052		Black body	SDMD diode	-
I053		Brown body	SMD capacitor	-
I054		Silvery solder	Solder, PCB	-
I055		White coated nature printed green plastic	PCB	-
I056		Black soft plastic	Case, DC plug	-
I057		Silvery metal	Case, DC plug	-
I058		Black plastic	Holder, DC plug	-
I059		Silvery metal	Horn, DC plug	-
I060		Silvery solder	Solder, DC plug	-
I061		Black soft plastic	Insulation	-
I062		Coppery metal	Wire	-
I063		Black soft plastic	SR, insulation	-

Test Item Description and Photo List

Test Item(s)	Sample Photo	Item / Component Description(s)	Location(s)	Style(s)
I064		Black soft plastic	Magnet sleeve	-
I065		Black metal	Magnet	-
I066		Coppery metal	Contact plate, DC pug	-
I067		Black plastic	Holder, inductance	-
I068		Silvery solder	Solder, contact plate, AC socket	-
I069		Silvery metal	AC plug(UL)	-
I070		Black plastic	Case, AC socket(UL)	-
I071		Coppery metal	Heat sink	-
I072		Gray body	FB1	-
I073		Silvery/black body	Diode	-
I074		Red coated silvery metal	Electrolytic capacitor shell	-
I075		White body	SMD capacitor	-
I076		Silvery solder	Solder, PCB	-
I077		White coated nature printed green/yellow plastic	PCB	-
I078		Black soft plastic	Fuse sleeve	-
I079		Silvery metal	Terminal	-
I080		Transparent body	Fuse	-
I081		Black plastic	Case, transformer	-
I082		Green plastic	LED	-
I083		White printed brown plastic	Electrolytic capacitor sleeve	-
I084		Gray core	Core of inductance	-

Test Item Description and Photo List

Test Item(s)	Sample Photo	Item / Component Description(s)	Location(s)	Style(s)
I085		Black soft plastic	Case, DC plug	-
I086		Silvery metal	Case, DC plug	-
I087		Black plastic	Holder, DC plug	-
I088		Silvery metal	Horn, DC plug	-
I089		Silvery solder	Solder, DC plug	-
I090		White printed black soft plastic	Insulation	-
I091		Black soft plastic	SR, insulation	-
I092		Black plastic	Case, AC adapter	FJ-SW120 2000E
I093		White printed black plastic	Label, AC adapter	
I094		Silvery metal	AC plug(EU)	
I095		Black plastic	Holder, AC plug(EU)	
I096		Silvery metal	Screw, AC plug(EU)	
I097		Black soft plastic	Sleeve	
I098		Black soft plastic	Insulation	
I099		White soft plastic	Insulation	
I100		Silvery metal	AC plug(UL)	
I101		White printed black plastic	Label, case, AC adapter(UL)	
I102		Pink soft plastic	Fuse sleeve	-
I103		Gray body	Fuse	-
I104		Yellow printed black plastic	Electrolytic capacitor sleeve	-
I105		Red glue	Glue	-

Test Item Description and Photo List

Test Item(s)	Sample Photo	Item / Component Description(s)	Location(s)	Style(s)
I106		Black body	U2	-
I107		Black body	SMD BD1	-
I108		Silvery solder	Solder, PCB	-
I109		White coated nature printed green/yellow plastic	PCB	-
I110		Black soft plastic	Inductance sleeve	-
I111		Black printed sky blue plastic	Electrolytic capacitor sleeve	-
I112		White plastic	Insulation board	-
I113		Yellow plastic with adhesive	Adhesive tape, transformer	-
I114		Black soft plastic	Case, DC plug	-
I115		Silvery metal	Case, DC plug	-
I116		Black plastic	Holder, DC plug	-
I117		Black soft plastic	Cable jacket	-
I118		Red soft plastic	Insulation	-
I119		Black soft plastic	Insulation	-
I120		Black soft plastic	SR, cable jacket	-
I121		Black soft plastic	Magnet sleeve	-
I122		Black metal	Magnet	-
I123		Silvery solder	Solder, DC plug	-
I124		Black plastic	Case, AC adapter (UK)	FJ-SE1260602000DN
I125		Silvery metal	AC plug (UK)	
I126		Black plastic	AC plug(UK)	

Test Item Description and Photo List

Test Item(s)	Sample Photo	Item / Component Description(s)	Location(s)	Style(s)
I127		Black plastic	Holder, AC plug(UK)	-
I128		White printed black plastic	Label, case, AC adapter	-
I129		Black plastic	Board, AC adapter	-
I130		Silvery metal	Contact plate	-
I131		Gray soft plastic	RF1 sleeve	-
I132		Gray body	RF1	-
I133		Green body	Inductance	-
I134		Silvery metal	Heat sink	-
I135		Black plastic	Frame, inductance	-
I136		Black soft plastic	RF1 sleeve	-
I137		Black plastic	Case, AC adapter	FJ-W72924 01500N
I138		Black plastic	Holder, AC adapter	
I139		Silvery metal	Contact plate, holder	
I140		Black soft plastic	Case, DC plug	-
I141		Silvery metal	Case, DC plug	-
I142		Black plastic	Holder, DC plug	-
I143		Silvery metal	Horn, DC plug	-
I144		Silvery metal	Terminal, DC plug	-
I145		Black soft plastic	Cable jacket	-
I146		Red soft plastic	Insulation	-
I147		Black soft plastic	Insulation	-

Test Item Description and Photo List

Test Item(s)	Sample Photo	Item / Component Description(s)	Location(s)	Style(s)
I148		Coppery metal	Wire	-
I149		Black soft plastic	SR, cable jacket	-
I150		White plastic	Case, AC adapter	-
I151		White plastic	Cover, AC adapter	-
I152		White plastic	Holder, AC adapter	-
I153		Silvery metal	AC contact plate	-
I154		Silvery metal	Case, Type-c socket	-
I155		Black plastic	Holder, Type-c socket	-
I156		Silvery metal	Horn, Type-c socket	-
I157		Silvery printed black plastic	Electrolytic capacitor sleeve	-
I158		Black body	SMD transistor	-
I159		White body	SM capacitor	-
I160		Silvery solder	Solder, PCB	-
I161		White coated nature printed green plastic	PCB	-
I162		Black plastic	Case, AC adapter	FJ-SW205 0501000E
I163		Silvery metal	Case, USB socket	
I164		Black plastic	Holder, USB socket	
I165		Silvery metal	Horn, USB socket	
I166		Black plastic	Case, AC adapter	FJ-SW-728 0502000U E
I167		White printed black plastic	Label, case, AC adapter	
I168		White plastic	Holder, USB socket	

TEST RESULT

Compliance Test – European Parliament and Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS)

Test Method : See Appendix.

See Analytes and their corresponding Maximum Allowable Limit in Appendix

-	Result						
Parameter	Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs	PBDEs	Conclusion
Unit	mg/kg						-
Test Item(s)	-	-	-	-	-	-	-
I001	ND	ND	ND	ND	ND*	ND*	PASS
I002	ND	ND	ND	ND	ND	ND	PASS
I003	ND	ND	ND	ND	ND	ND	PASS
I004	ND	ND	ND	ND	NA	NA	PASS
I005	ND	ND	ND	ND	NA	NA	PASS
I006	ND	ND	ND	ND	ND*	ND*	PASS
I007	ND	ND	ND	ND	ND	ND	PASS
I008	ND	ND	ND	ND	ND	ND	PASS
I009	ND	ND	ND	ND	ND*	ND*	PASS
I010	ND	ND	ND	ND	NA	NA	PASS
I011	ND	ND	ND	ND	NA	NA	PASS
I012	ND	ND	ND	ND	ND	ND	PASS
I013	ND	ND	ND	ND	ND	ND	PASS
I014	ND	ND	ND	ND	NA	NA	PASS
I015	ND	ND	ND	ND	ND*	ND*	PASS
I016	ND	ND	ND	ND	ND	ND	PASS
I017	ND	ND	ND	ND	ND*	ND*	PASS
I018	ND	ND	ND	ND	ND	ND	PASS
I019	ND	ND	ND	ND	ND	ND	PASS
I020	ND	ND	ND	ND	ND	ND	PASS
I021	ND	ND	ND	ND	NA	NA	PASS
I022	ND	ND	ND	ND	ND	ND	PASS
I023	ND	ND	ND	ND	ND	ND	PASS
I024	ND	ND	ND	ND	NA	NA	PASS
I025	ND	ND	ND	ND	ND	ND	PASS
I026	ND	ND	ND	ND	ND	ND	PASS

TEST RESULT

-	Result						
Parameter	Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs	PBDEs	Conclusion
Unit	mg/kg						-
Test Item(s)	-	-	-	-	-	-	-
I027	ND	ND	ND	ND	ND	ND	PASS
I028	ND	ND	ND	ND	NA	NA	PASS
I029	ND	ND	ND	ND	ND	ND	PASS
I030	ND	ND	ND	ND	ND	ND	PASS
I031	ND	ND	ND	ND	NA	NA	PASS
I032	ND	ND	ND	ND	ND	ND	PASS
I033	ND	ND	ND	ND	NA	NA	PASS
I034	ND	ND	ND	ND	NA	NA	PASS
I035	ND	ND	ND	ND	ND	ND	PASS
I036	ND	ND	ND	ND	NA	NA	PASS
I037	ND	ND	ND	ND	ND	ND	PASS
I038	ND	ND	ND	ND	ND	ND	PASS
I039	ND	ND	ND	ND	ND	ND	PASS
I040	ND	ND	ND	ND	ND	ND	PASS
I041	ND	ND	ND	ND	ND	ND	PASS
I042	ND	ND	ND	ND	NA	NA	PASS
I043	ND	ND	ND	ND	ND	ND	PASS
I044	ND	ND	ND	ND	NA	NA	PASS
I045	ND	ND	ND	ND	ND	ND	PASS
I046	ND	ND	ND	ND	ND	ND	PASS
I047	ND	ND	ND	ND	ND	ND	PASS
I048	ND	ND	ND	ND	ND	ND	PASS
I049	ND	ND	ND	ND	ND	ND	PASS
I050	ND	ND	ND	ND	ND	ND	PASS
I051	ND	ND	ND	ND	ND	ND	PASS
I052	ND	ND	ND	ND	ND	ND	PASS
I053	ND	ND	ND	ND	ND	ND	PASS
I054	ND	ND	ND	ND	NA	NA	PASS
I055	ND	ND	ND	ND	ND*	ND*	PASS
I056	ND	ND	ND	ND	ND	ND	PASS
I057	ND	ND	ND	ND	NA	NA	PASS
I058	ND	ND	ND	ND	ND*	ND*	PASS
I059	ND	ND	ND	ND	NA	NA	PASS
I060	ND	ND	ND	ND	NA	NA	PASS

TEST RESULT

-	Result						
Parameter	Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs	PBDEs	Conclusion
Unit	mg/kg						-
Test Item(s)	-	-	-	-	-	-	-
I061	ND	ND	ND	ND	ND	ND	PASS
I062	ND	ND	ND	ND	NA	NA	PASS
I063	ND	ND	ND	ND	ND	ND	PASS
I064	ND	ND	ND	ND	ND	ND	PASS
I065	ND	ND	ND	ND	NA	NA	PASS
I066	ND	ND	ND	ND	NA	NA	PASS
I067	ND	ND	ND	ND	ND	ND	PASS
I068	ND	ND	ND	ND	NA	NA	PASS
I069	ND	ND	ND	ND	NA	NA	PASS
I070	ND	ND	ND	ND	ND*	ND*	PASS
I071	ND	ND	ND	ND	NA	NA	PASS
I072	ND	ND	ND	ND	ND	ND	PASS
I073	ND	ND	ND	ND	ND	ND	PASS
I074	ND	ND	ND	ND	NA	NA	PASS
I075	ND	ND	ND	ND	ND	ND	PASS
I076	ND	ND	ND	ND	NA	NA	PASS
I077	ND	ND	ND	ND	ND*	ND*	PASS
I078	ND	ND	ND	ND	ND	ND	PASS
I079	ND	ND	ND	ND	NA	NA	PASS
I080	ND	ND	ND	ND	ND	ND	PASS
I081	ND	ND	ND	ND	ND*	ND*	PASS
I082	ND	ND	ND	ND	ND	ND	PASS
I083	ND	ND	ND	ND	ND	ND	PASS
I084	ND	ND	ND	ND	ND	ND	PASS
I085	ND	ND	ND	ND	ND	ND	PASS
I086	ND	ND	ND	ND	NA	NA	PASS
I087	ND	ND	ND	ND	ND*	ND*	PASS
I088	ND	ND	ND	ND	NA	NA	PASS
I089	ND	ND	ND	ND	NA	NA	PASS
I090	ND	ND	ND	ND	ND	ND	PASS
I091	ND	ND	ND	ND	ND	ND	PASS
I092	ND	ND	ND	ND	ND*	ND*	PASS
I093	ND	ND	ND	ND	ND	ND	PASS
I094	ND	ND	ND	ND	NA	NA	PASS

TEST RESULT

-	Result						
Parameter	Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs	PBDEs	Conclusion
Unit	mg/kg						-
Test Item(s)	-	-	-	-	-	-	-
I095	ND	ND	ND	ND	ND	ND	PASS
I096	ND	ND	ND	ND	NA	NA	PASS
I097	ND	ND	ND	ND	ND	ND	PASS
I098	ND	ND	ND	ND	ND	ND	PASS
I099	ND	ND	ND	ND	ND	ND	PASS
I100	ND	ND	ND	ND	NA	NA	PASS
I101	ND	ND	ND	ND	ND	ND	PASS
I102	ND	ND	ND	ND	ND	ND	PASS
I103	ND	ND	ND	ND	ND	ND	PASS
I104	ND	ND	ND	ND	ND	ND	PASS
I105	ND	ND	ND	ND	ND	ND	PASS
I106	ND	ND	ND	ND	ND*	ND*	PASS
I107	ND	ND	ND	ND	ND	ND	PASS
I108	ND	ND	ND	ND	NA	NA	PASS
I109	ND	ND	ND	ND	ND*	ND*	PASS
I110	ND	ND	ND	ND	ND	ND	PASS
I111	ND	ND	ND	ND	ND	ND	PASS
I112	ND	ND	ND	ND	ND	ND	PASS
I113	ND	ND	ND	ND	ND	ND	PASS
I114	ND	ND	ND	ND	ND	ND	PASS
I115	ND	ND	ND	ND	NA	NA	PASS
I116	ND	ND	ND	ND	ND*	ND*	PASS
I117	ND	ND	ND	ND	ND	ND	PASS
I118	ND	ND	ND	ND	ND	ND	PASS
I119	ND	ND	ND	ND	ND	ND	PASS
I120	ND	ND	ND	ND	ND	ND	PASS
I121	ND	ND	ND	ND	ND	ND	PASS
I122	ND	ND	ND	ND	NA	NA	PASS
I123	ND	ND	ND	ND	NA	NA	PASS
I124	ND	ND	ND	ND	ND	ND	PASS
I125	ND	ND	ND	ND	NA	NA	PASS
I126	ND	ND	ND	ND	ND	ND	PASS
I127	ND	ND	ND	ND	ND	ND	PASS
I128	ND	ND	ND	ND	ND	ND	PASS

TEST RESULT

-	Result						
Parameter	Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs	PBDEs	Conclusion
Unit	mg/kg						-
Test Item(s)	-	-	-	-	-	-	-
I129	ND	ND	ND	ND	ND	ND	PASS
I130	ND	ND	ND	Negative*	NA	NA	PASS
I131	ND	ND	ND	ND	ND	ND	PASS
I132	ND	ND	ND	ND	ND	ND	PASS
I133	ND	ND	ND	ND	ND	ND	PASS
I134	ND	ND	ND	ND	NA	NA	PASS
I135	ND	ND	ND	ND	ND	ND	PASS
I136	ND	ND	ND	ND	ND	ND	PASS
I137	ND	ND	ND	ND	ND*	ND*	PASS
I138	ND	ND	ND	ND	ND	ND	PASS
I139	ND	ND	ND	Negative*	NA	NA	PASS
I140	ND	ND	ND	ND	ND	ND	PASS
I141	ND	ND	ND	ND	NA	NA	PASS
I142	ND	ND	ND	ND	ND*	ND*	PASS
I143	ND	ND	ND	ND	NA	NA	PASS
I144	ND	ND	ND	ND	NA	NA	PASS
I145	ND	ND	ND	ND	ND	ND	PASS
I146	ND	ND	ND	ND	ND	ND	PASS
I147	ND	ND	ND	ND	ND	ND	PASS
I148	ND	ND	ND	ND	NA	NA	PASS
I149	ND	ND	ND	ND	ND	ND	PASS
I150	ND	ND	ND	ND	ND*	ND*	PASS
I151	ND	ND	ND	ND	ND	ND	PASS
I152	ND	ND	ND	ND	ND	ND	PASS
I153	ND	ND	ND	ND	NA	NA	PASS
I154	ND	ND	ND	Negative*	NA	NA	PASS
I155	ND	ND	ND	ND	ND	ND	PASS
I156	ND	ND	ND	ND	NA	NA	PASS
I157	ND	ND	ND	ND	ND	ND	PASS
I158	ND	ND	ND	ND	ND	ND	PASS
I159	ND	ND	ND	ND	ND	ND	PASS
I160	ND	ND	ND	ND	NA	NA	PASS
I161	ND	ND	ND	ND	ND*	ND*	PASS
I162	ND	ND	ND	ND	ND*	ND*	PASS

TEST RESULT

-	Result						
Parameter	Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs	PBDEs	Conclusion
Unit	mg/kg						-
Test Item(s)	-	-	-	-	-	-	-
I163	ND	ND	ND	ND	NA	NA	PASS
I164	ND	ND	ND	ND	ND*	ND*	PASS
I165	ND	ND	ND	ND	NA	NA	PASS
I166	ND	ND	ND	ND	ND*	ND*	PASS
I167	ND	ND	ND	ND	ND	ND	PASS
I168	ND	ND	ND	ND	ND	ND	PASS

Note / Key:

ND = Not detected ">" = Greater than "<" = Less than
NR = Not requested mg/kg = milligram(s) per kilogram = ppm = part(s) per million
NA = Not applicable % = percent 10000 mg/kg = 1 %
Detection Limit : See Appendix.

Remark:

- The testing approach is listed in table of Appendix.
- * denotes as reported result(s) was (were) performed by wet chemistry method. Others were screened by XRF. For XRF screening, the result(s) of Cr VI was (were) reported as total chromium and the result(s) of PBBs and PBDEs was (were) reported as total bromine. Also, the XRF result(s) may be different to the actual content based on various factors including, but not limit to, sample size, thickness, area, non-uniformity composition, surface flatness.
- According to European Council Directive 2011/65/EU, Article 5 "Adaptation of the Annexes to scientific and technical progress", exemption(s) should be granted to the materials and components of Test Item(s) in the lists in Annexes III and IV of this directive.

APPENDIX

List of Analytes and their Corresponding Test Methods, Detection Limit and Maximum Allowable Limit [Compliance Test for European Parliament and Council Directive 2011/65/EU] :

No.	Name of Analytes	Detection Limit (mg/kg)				Maximum Allowable Limit (mg/kg)
		X-ray fluorescence (XRF)[a]			Wet Chemistry	
		Plastic	Metallic / glass / ceramic	Others		
1	Lead (Pb)	100	200	200	10[b]	1000
2	Cadmium (Cd)	50	50	50	10[b]	100
3	Mercury (Hg)	100	200	200	10[c]	1000
4	Chromium (Cr)	100	200	200	NA	NA
5	Chromium VI (Cr VI)	NA	NA	NA	3[g, h] / 10[d] / See [e, j]	1000 / Negative[j]
6	Bromine (Br)	200	NA	200	NA	NA
7	Polybromobiphenyls (PBBs) - Bromobiphenyl (MonoBB) - Dibromobiphenyl (DiBB) - Tribromobiphenyl (TriBB) - Tetrabromobiphenyl (TetraBB) - Pentabromobiphenyl (PentaBB) - Hexabromobiphenyl (HexaBB) - Heptabromobiphenyl (HeptaBB) - Octabromobiphenyl (OctaBB) - Nonabromobiphenyl (NonaBB) - Decabromobiphenyl (DecaBB)	NA	NA	NA	Each 50[f]	Sum 1000
8	Polybromodiphenyl ethers (PBDEs) - Bromodiphenyl ether (MonoBDE) - Dibromodiphenyl ether (DiBDE) - Tribromodiphenyl ether (TriBDE) - Tetrabromodiphenyl ether (TetraBDE) - Pentabromodiphenyl ether (PentaBDE) - Hexabromodiphenyl ether (HexaBDE) - Heptabromodiphenyl ether (HeptaBDE) - Octabromodiphenyl ether (OctaBDE) - Nonabromodiphenyl ether (NonaBDE) - Decabromodiphenyl ether (DecaBDE)	NA	NA	NA	Each 50[f]	Sum 1000

List of Analytes and their Corresponding Test Methods, Detection Limit and Maximum Allowable Limit [Compliance Test for European Parliament and Council Directive 2011/65/EU] :	
	NA = Not applicable
[a]	Test method with reference to International Standard IEC 62321-3-1: 2013.
[b]	Test method with reference to International Standard IEC 62321-5: 2013.
[c]	Test method with reference to International Standard IEC 62321-4: 2013.
[d]	Polymers and Electronics - Test method with reference to European Standard EN 62321: 2009, Annex C.
[e]	Metal - Test method with reference to International Standard IEC 62321-7-1: 2015.
[f]	Test method with reference to International Standard IEC 62321-6: 2015.
[g]	Leather - Test method International Standard ISO 17075-1:2017.
[h]	Other Than Metal, Leather, Polymers and Electronics - Test method with reference to International Standard ISO 17075-1:2017.
[i]	The principle of this method was evaluated and supported by two studies organized by IEC TC 111 WG3. These studies were focused on detecting the presence of Cr VI in the corrosion protection coatings on metallic samples.
[j]	Result(s) of Cr VI for metallic material(s) was (were) expressed in term of positive and negative. Negative means the absence of Cr VI on the tested areas and the result(s) was (were) regarded as in compliance with European Parliament and Council Directive 2011/65/EU, Article 4(1). While, positive means the presence of Cr VI on tested areas and the result(s) was (were) regarded as in conflict with European Parliament and Council Directive 2011/65/EU, Article 4(1).

Testing Approach [Compliance Test for European Parliament and Council Directive 2011/65/EU] :	
The testing approach was with reference to the following document(s).	
1	International Standards IEC 62321-1: 2013 and IEC 62321-2: 2013
2	“RoHS Enforcement Guidance Document Version 1” by EU RoHS Enforcement Authorities Informal Network. (May 2006)
3	“RoHS Regulations - Government Guidance Notes” by United Kingdom Department for Business Innovation & Skills. (February 2011)
4	“Final Report to RoHS substances (Hg, Pb, Cr(VI), Cd, PBB and PBDE) in electrical and electronic equipment in Belgium” by Belgium Federal Public Service Health, Food Chain Safety and Environment. (November 2005)

TEST RESULT

BBP/DBP/DEHP/DIBP Content – European Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) with its Amendments

Test Method :	Sample was extracted with organic solvent and then analyzed by Gas Chromatograph Mass Spectrometer.

Test Parameter:	BBP	DBP	DEHP	DIBP	-
Limit (%):	0.1	0.1	0.1	0.1	-
Test Item(s)	Result (%)				Conclusion
I001	ND	ND	ND	ND	PASS
I002	ND	ND	ND	ND	PASS
I003	ND	ND	ND	ND	PASS
I006	ND	ND	ND	ND	PASS
I007	ND	ND	ND	ND	PASS
I008	ND	ND	ND	ND	PASS
I009	ND	ND	ND	ND	PASS
I012	ND	ND	ND	ND	PASS
I015	ND	ND	ND	ND	PASS
I016	ND	ND	ND	ND	PASS
I017	ND	ND	ND	ND	PASS
I018	ND	ND	ND	ND	PASS
I022	ND	ND	ND	ND	PASS
I023	ND	ND	ND	ND	PASS
I025	ND	ND	ND	ND	PASS
I027	ND	ND	ND	ND	PASS
I030	ND	ND	ND	ND	PASS
I032	ND	ND	ND	ND	PASS
I037	ND	ND	ND	ND	PASS
I038	ND	ND	ND	ND	PASS
I039	ND	ND	ND	ND	PASS
I040	ND	ND	ND	ND	PASS
I041	ND	ND	ND	ND	PASS
I045	ND	ND	ND	ND	PASS
I047	ND	ND	ND	ND	PASS
I048	ND	ND	ND	ND	PASS
I049	ND	ND	ND	ND	PASS
I055	ND	ND	ND	ND	PASS
I056	ND	ND	ND	ND	PASS
I058	ND	ND	ND	ND	PASS

TEST RESULT

Test Parameter:	BBP	DBP	DEHP	DIBP	-
Limit (%):	0.1	0.1	0.1	0.1	-
Test Item(s)	Result (%)				Conclusion
I061	ND	ND	ND	ND	PASS
I063	ND	ND	ND	ND	PASS
I064	ND	ND	ND	ND	PASS
I067	ND	ND	ND	ND	PASS
I070	ND	ND	ND	ND	PASS
I077	ND	ND	ND	ND	PASS
I078	ND	ND	ND	ND	PASS
I081	ND	ND	ND	ND	PASS
I082	ND	ND	ND	ND	PASS
I083	ND	ND	ND	ND	PASS
I085	ND	ND	0.015	ND	PASS
I087	ND	ND	ND	ND	PASS
I090	ND	ND	ND	ND	PASS
I091	ND	ND	ND	ND	PASS
I092	ND	ND	ND	ND	PASS
I093	ND	ND	ND	ND	PASS
I095	ND	ND	ND	ND	PASS
I097	ND	ND	ND	ND	PASS
I098	ND	ND	ND	ND	PASS
I099	ND	ND	ND	ND	PASS
I101	ND	ND	ND	ND	PASS
I102	ND	ND	ND	ND	PASS
I104	ND	ND	ND	ND	PASS
I105	ND	ND	ND	ND	PASS
I109	ND	ND	ND	ND	PASS
I110	ND	ND	ND	ND	PASS
I111	ND	ND	ND	ND	PASS
I112	ND	ND	ND	ND	PASS
I113	ND	ND	ND	ND	PASS
I114	ND	ND	ND	ND	PASS
I116	ND	ND	ND	ND	PASS
I117	ND	ND	ND	ND	PASS
I118	ND	ND	ND	ND	PASS
I119	ND	ND	ND	ND	PASS
I120	ND	ND	0.013	ND	PASS
I121	ND	ND	0.013	ND	PASS

TEST RESULT

Test Parameter:	BBP	DBP	DEHP	DIBP	-
Limit (%):	0.1	0.1	0.1	0.1	-
Test Item(s)	Result (%)				Conclusion
I124	ND	ND	ND	ND	PASS
I126	ND	ND	ND	ND	PASS
I127	ND	ND	ND	ND	PASS
I128	ND	ND	ND	ND	PASS
I129	ND	ND	ND	ND	PASS
I131	ND	ND	ND	ND	PASS
I135	ND	ND	ND	ND	PASS
I136	ND	ND	ND	ND	PASS
I137	ND	ND	ND	ND	PASS
I138	ND	ND	ND	ND	PASS
I140	ND	ND	ND	ND	PASS
I142	ND	ND	ND	ND	PASS
I145	ND	ND	ND	ND	PASS
I146	ND	ND	ND	ND	PASS
I147	ND	ND	ND	ND	PASS
I149	ND	ND	ND	ND	PASS
I150	ND	ND	ND	ND	PASS
I151	ND	ND	ND	ND	PASS
I152	ND	ND	ND	ND	PASS
I155	ND	ND	ND	ND	PASS
I157	ND	ND	ND	ND	PASS
I161	ND	ND	ND	ND	PASS
I162	ND	ND	ND	ND	PASS
I164	ND	ND	ND	ND	PASS
I166	ND	ND	ND	ND	PASS
I167	ND	ND	ND	ND	PASS
I168	ND	ND	ND	ND	PASS

Note / key:

BBP = Butyl benzyl phthalate (CAS No: 85-68-7) DBP = Dibutyl phthalate (CAS No: 84-74-2)
DEHP = Di(2-ethylhexyl) phthalate (CAS No: 117-81-7) DIBP = Diisobutyl phthalate (CAS No: 84-69-5)
ND = Not detected % = percent 10000 mg/kg = 1 %
mg/kg = milligram(s) per kilogram
Detection Limit (%) : Each 0.005

Remark:

- The amendment will be effective on 22 July 2019. For medical devices and control instruments, effective date will be 22 July 2021.
- The above result was performed at a Bureau Veritas CPS approved subcontract lab

*** End of Report ***