



**BUREAU
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TEST REPORT

LAB NO. : (6616)245-0954
DATE : September 2, 2016
PAGE : 1 OF 17

Applicant 申请人公司名称:

NINGBO DAHUA ELECTRIC APPLIANCE CO.,LTD/ 浙江大华电器有限公司
XIAODONG INDUSTRIAL ZONE, YUYAO, ZHEJIANG/浙江余姚肖东工业园区

Date of Submission 样品收取日期: April 20, 2016
Test Period 所需工作周期: April 20, 2016 to April 28, 2016

Sample Description 样品描述: Sample(s) received is(are) stated to be 吸尘器
Test Item(s) 测试项目: 吸尘器

Manufacturer: / Style No(s): SL303A07
Buyer: / PO No.: /
Country of Origin: 余姚 Country of Destination: 上海

SUMMARY OF TEST RESULTS

TEST REQUESTED 测试项目	CONCLUSION 结论
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) with its Amendments 合规测试 - 有关欧盟委员会针对电子产品的指令(电子电器禁用某些有害物质指令), 2011/65/EU 及其修订条款	PASS 通过

REMARK/备注

If there are questions or concerns on this report, please contact the following persons:

若有任何疑问或咨询, 可通过下述联络方式与我们联系

General enquiry and invoicing

其他问题

Technical enquiry

技术问题

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BUREAU VERITAS

CONSUMER PRODUCTS SERVICES DIVISION (SHANGHAI)

必维国际检验集团-必维申美商品检测(上海)有限公司

PREPARED BY :

Violet

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RW/2016

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Photo of the Submitted Sample
递交样品照片





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) with its Amendments

Test Method : See Appendix.

See Analytes and their corresponding Maximum Allowable Limit in Appendix

Parameter			Result					
Unit			Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs & PBDEs	Conclusion
Test Item	Description	Location	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-
1	White paper	Bag	ND	ND	ND	ND	ND	PASS
2	Brown paper		ND	ND	ND	ND	ND	PASS
3	Beige paper		ND	ND	ND	ND	ND	PASS
4	Beige soft plastic	Brush	ND	ND	ND	ND	ND	PASS
5	Black plastic		ND	ND	ND	ND	ND	PASS
6	Red fabric		ND	ND	ND	ND	ND	PASS
7	Black plastic	Tube	ND	ND	ND	ND	ND	PASS
8	Black plastic button		ND	ND	ND	ND	ND	PASS
9	Black soft plastic		ND	ND	ND	ND	ND	PASS
10	Silvery metal	Drawtube	ND	ND	ND	ND	NA	PASS
11	Black plastic button		ND	ND	ND	ND	ND	PASS
12	White plastic bracket		ND	ND	ND	ND	ND	PASS
13	Silvery metal spring		ND	ND	ND	ND	NA	PASS
14	Silvery metal screw	Ground brush	ND	ND	ND	ND	NA	PASS
15	Black plastic		ND	ND	ND	ND	ND	PASS
16	Black soft plastic		ND	ND	ND	ND	ND	PASS
17	Black plastic		ND	ND	ND	ND	ND	PASS
18	Silvery metal		ND	ND	ND	ND	NA	PASS
19	Black plastic brush		ND	ND	ND	ND	ND	PASS
20	Black soft plastic wheel		ND	ND	ND	ND	ND	PASS
21	Black plastic wheel		ND	ND	ND	ND	ND	PASS
22	Silvery metal shaft	Housing	ND	ND	ND	ND	NA	PASS
23	Red plastic		ND	ND	ND	ND	ND	PASS
24	Black plastic		ND	ND	ND	ND	ND	PASS
25	Green fabric		ND	ND	ND	ND	ND	PASS
26	Black plastic button with silvery coating		ND	ND	ND	ND	ND	PASS
27	Silvery metal spring		ND	ND	ND	ND	NA	PASS
28	Black plastic ring with silvery coating		ND	ND	ND	ND	ND	PASS
29	Black plastic		ND	ND	ND	ND	ND	PASS
30	Black soft plastic ring		ND	ND	ND	ND	ND	PASS
31	Black soft plastic seal ring		ND	ND	ND	ND	ND	PASS
32	Black foam		ND	ND	ND	ND	ND	PASS
33	Beige plastic glue		ND	ND	ND	ND	ND	PASS
34	White paper		ND	ND	ND	ND	ND	PASS
35	Black plastic		ND	ND	ND	ND	ND	PASS
36	Silvery metal spring		ND	ND	ND	ND	NA	PASS
37	Black soft plastic wheel		ND	ND	ND	ND	ND	PASS
38	Black plastic shaft	ND	ND	ND	ND	ND	PASS	



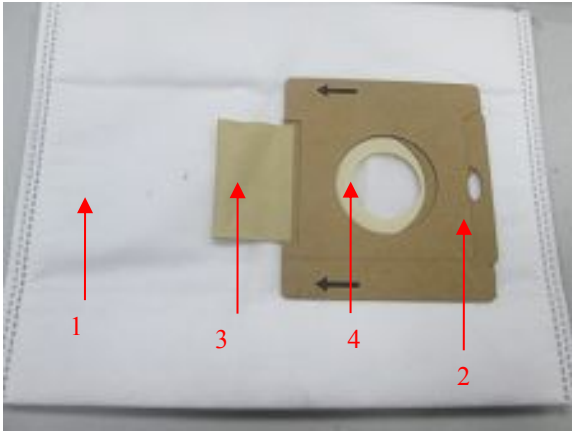
-			Result						
Parameter			Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs & PBDEs	Conclusion	
Unit			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-	
Test Item	Description	Location	-	-	-	-	-	-	
39	Black plastic	Control	ND	ND	ND	ND	ND	PASS	
40	Silvery metal		ND	ND	ND	ND	NA	PASS	
41	White plastic		ND	ND	ND	ND	PBDEs: 109*	PASS	
42	Brown plastic		ND	ND	ND	ND	ND	PASS	
43	Coppery metal contact piece		ND	ND	ND	ND	NA	PASS	
44	Silvery metal contact piece		ND	ND	ND	ND	NA	PASS	
45	Brown plastic		ND	ND	ND	ND	ND*	PASS	
46	Silvery meal		ND	ND	ND	ND	NA	PASS	
47	Black PCB		ND	ND	ND	ND	ND	PASS	
48	White plastic plug		ND	ND	ND	ND	ND	PASS	
49	White plastic wire jacket		ND	ND	ND	ND	ND	PASS	
50	White fabric sleeve		ND	ND	ND	ND	ND	PASS	
51	Black plastic bracket		Switch .	ND	ND	ND	ND	ND	PASS
52	Black plastic housing			ND	ND	ND	ND	ND	PASS
53	White plastic button	ND		ND	ND	ND	ND	PASS	
54	Silvery metal contact piece	ND		ND	ND	ND	NA	PASS	
55	Transparent plastic	ND		ND	ND	ND	ND	PASS	
56	Silvery metal spring	ND		ND	ND	ND	NA	PASS	
57	Silvery metal washer	Air volume display	ND	ND	ND	ND	NA	PASS	
58	Transparent plastic		ND	ND	ND	ND	ND	PASS	
59	Black plastic		ND	ND	ND	ND	ND	PASS	
60	Silvery metal		ND	ND	ND	ND	NA	PASS	
61	White soft plastic		ND	ND	ND	ND	ND	PASS	
62	Green plastic		ND	ND	ND	ND	ND	PASS	
63	Red plastic		ND	ND	ND	ND	ND	PASS	
64	White plastic		ND	ND	ND	ND	ND	PASS	
65	Golden metal terminal	Winder	ND	ND	ND	ND	NA	PASS	
66	Coppery metal contact piece		ND	ND	ND	ND	NA	PASS	
67	Beige plastic		ND	ND	ND	ND	ND	PASS	
68	Silvery metal		ND	ND	ND	ND	NA	PASS	
69	Silvery metal		ND	ND	ND	ND	NA	PASS	
70	Beige plastic		ND	ND	ND	ND	ND	PASS	
71	Black soft plastic		ND	ND	ND	ND	ND	PASS	
72	Beige plastic		ND	ND	ND	ND	ND	PASS	
73	Silvery metal spring		ND	ND	ND	ND	NA	PASS	
74	Silvery metal spring		ND	ND	ND	ND	NA	PASS	
75	Silvery metal washer		ND	ND	ND	ND	NA	PASS	
76	Black plastic housing		Power plug	ND	ND	ND	ND	ND	PASS
77	Black plastic pin holder			ND	ND	ND	ND	ND*	PASS
78	Golden metal pin with silvery plating			EX#	ND	ND	ND	NA	EX#



-			Result					
Parameter			Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs & PBDEs	Conclusion
Unit			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-
Test Item	Description	Location	-	-	-	-	-	-
79	Black plastic cabel jacket	Power cord	ND	ND	ND	ND	ND	PASS
80	Blue plastic wire jacket		ND	ND	ND	ND	ND	PASS
81	Brown plastic wire jacket		ND	ND	ND	ND	ND	PASS
82	Green PCB	PCB	ND	ND	ND	ND	ND*	PASS
83	Silvery metal solder(second submission)		ND	ND	ND	ND	NA	PASS
84	Pink plastic wire jacket		ND	ND	ND	ND	ND	PASS
85	Blue plastic wire jacket		ND	ND	ND	ND	ND	PASS
86	Brown plastic wire jacket		ND	ND	ND	ND	ND	PASS
87	Transparent soft plastic sleeve		ND	ND	ND	ND	ND	PASS
88	Blue soft plastic sleeve		ND	ND	ND	ND	ND	PASS
89	Silvery metal		ND	ND	ND	ND	NA	PASS
90	White plastic socket		ND	ND	ND	ND	ND	PASS
91	Black EC		ND	ND	ND	ND	ND*	PASS
92	Green capacitor		ND	ND	ND	ND	ND	PASS
93	Blue dioder		ND	ND	ND	ND	ND	PASS
94	Blue resistor with colorful coating		ND	ND	ND	ND	ND	PASS
95	Beige resistor with colorful coating		ND	ND	ND	ND	ND	PASS
96	Yellow plastic housing	Capacitor	ND	ND	ND	ND	ND*	PASS
97	Yellow plastic filling		ND	ND	ND	ND	ND	PASS
98	Silvery metal film		ND	ND	ND	ND	NA	PASS
99	Silvery metal solder		ND	ND	ND	ND	NA	PASS
100	Black soft plastic	Motor	ND	ND	ND	ND	ND	PASS
101	Gray soft plastic		ND	ND	ND	ND	ND	PASS
102	Black plastic		ND	ND	ND	ND	ND	PASS
103	Silvery metal		ND	ND	ND	ND	NA	PASS
104	Black graphite		ND	ND	ND	ND	ND	PASS
105	Coppery metal wire		ND	ND	ND	ND	NA	PASS
106	Silvery metal spring		ND	ND	ND	ND	NA	PASS
107	Golden metal		ND	ND	ND	ND	NA	PASS
108	Silvery metal		ND	ND	ND	ND	NA	PASS
109	Beige plastic fan		ND	ND	ND	ND	ND	PASS
110	Silvery metal with black coating		ND	ND	ND	ND	ND	PASS
111	Silvery metal nut		ND	ND	ND	ND	NA	PASS
112	Silvery metal ring		ND	ND	ND	ND	NA	PASS
113	Silvery metal washer		ND	ND	ND	ND	NA	PASS
114	Beige plastic		ND	ND	ND	ND	ND	PASS
115	Coppery metal wire		ND	ND	ND	ND	NA	PASS
116	Silvery metal piece		ND	ND	ND	ND	NA	PASS
117	White plastic lip		ND	ND	ND	ND	ND	PASS
118	White fabric sleeve		ND	ND	ND	ND	ND	PASS
119	Black plastic sleeve		ND	ND	ND	ND	ND	PASS

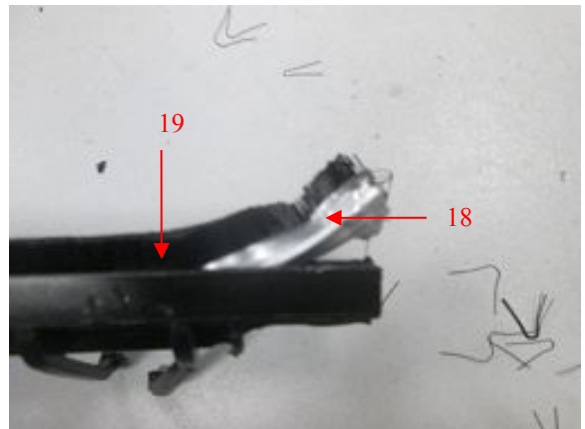
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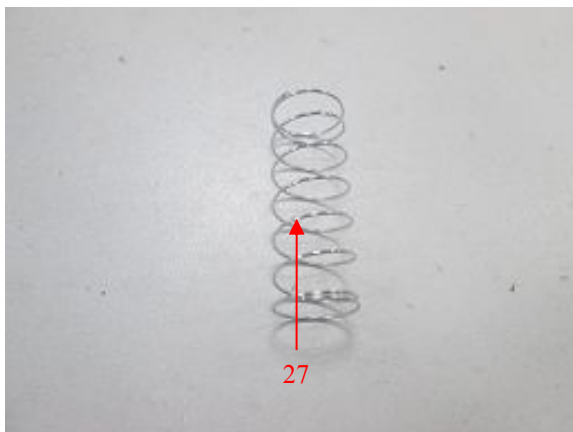
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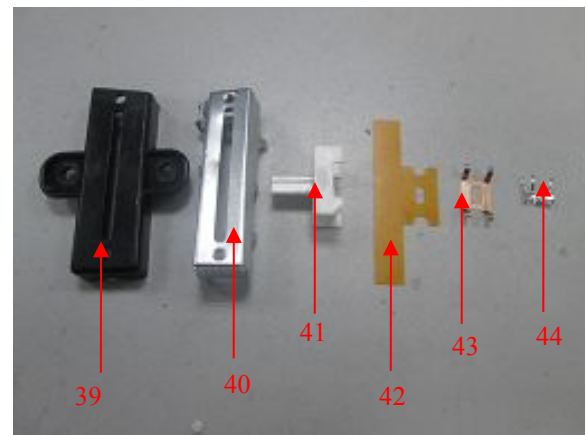
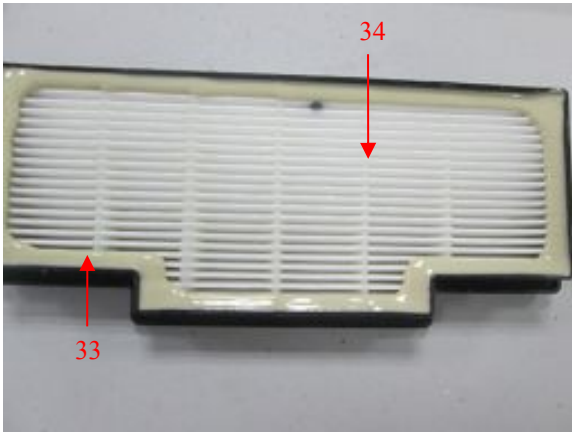
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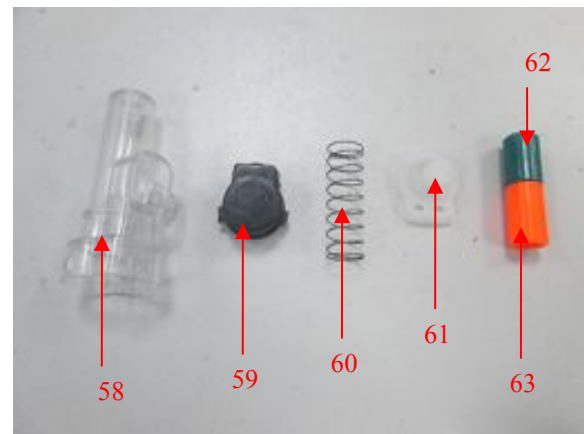
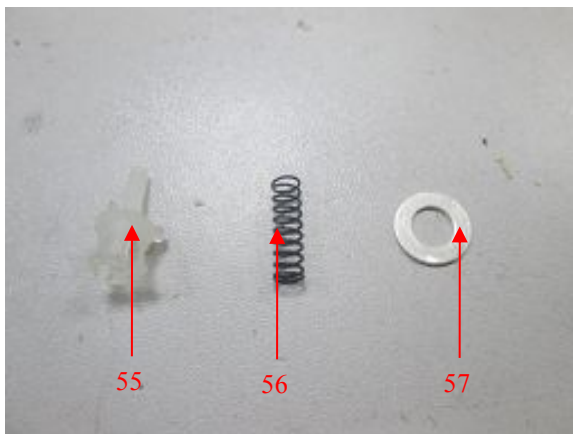
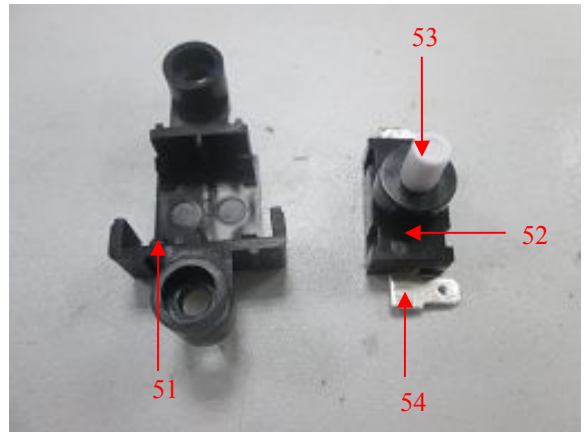
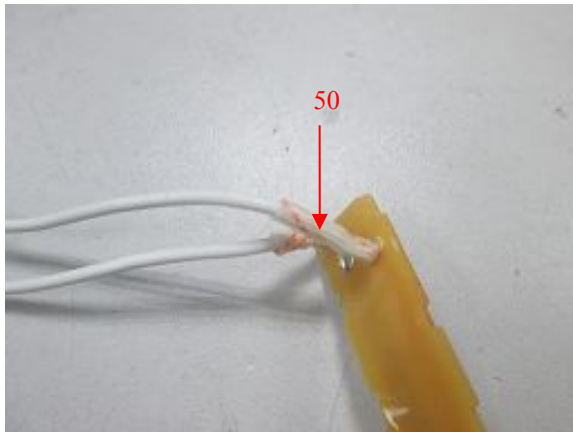
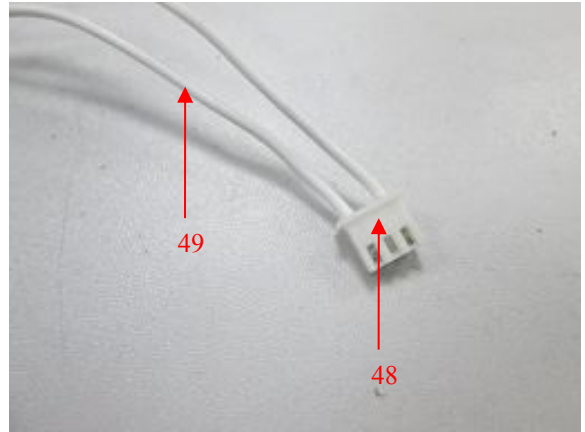
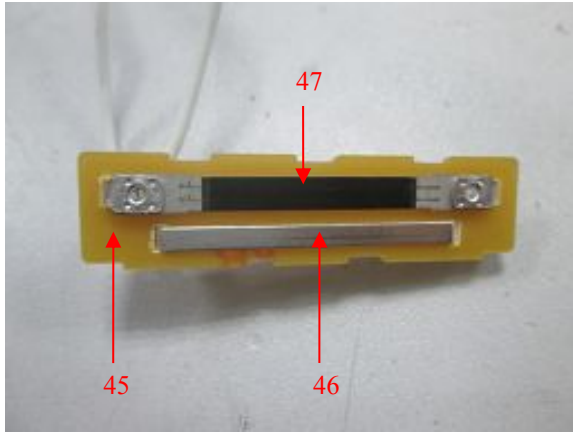
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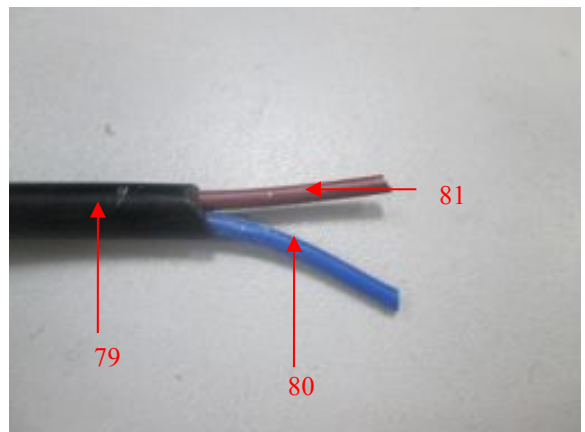
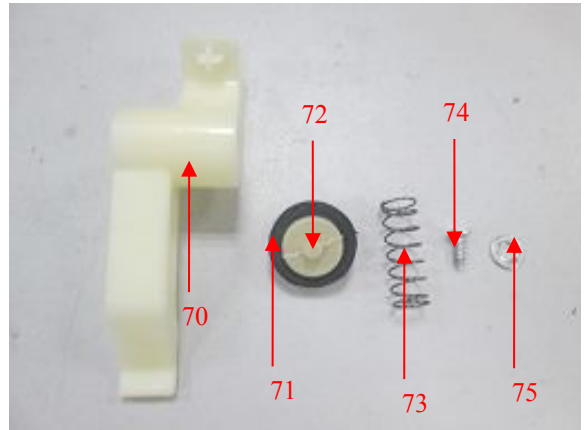
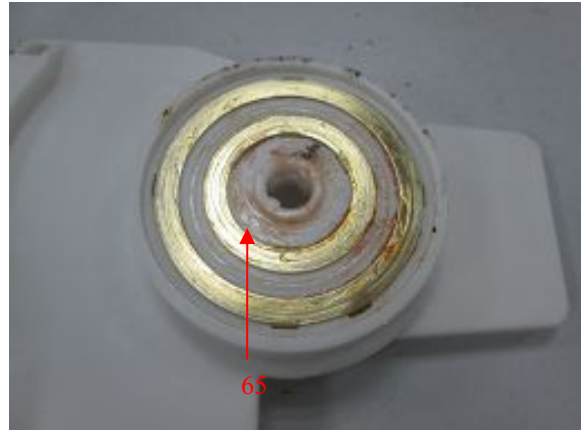
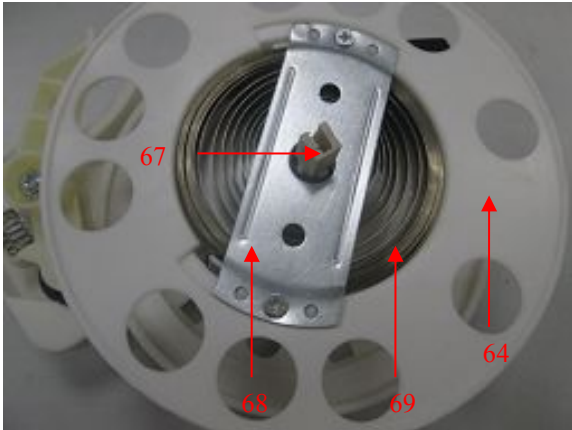
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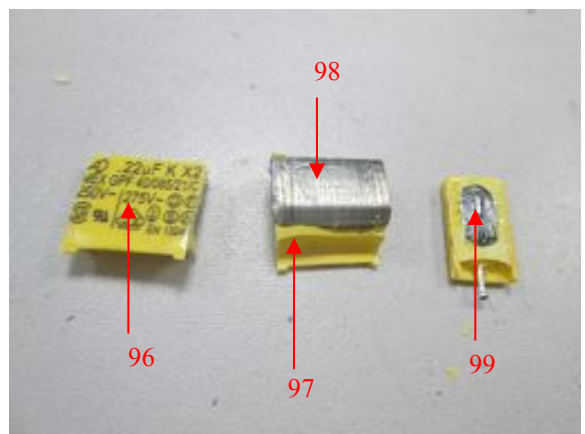
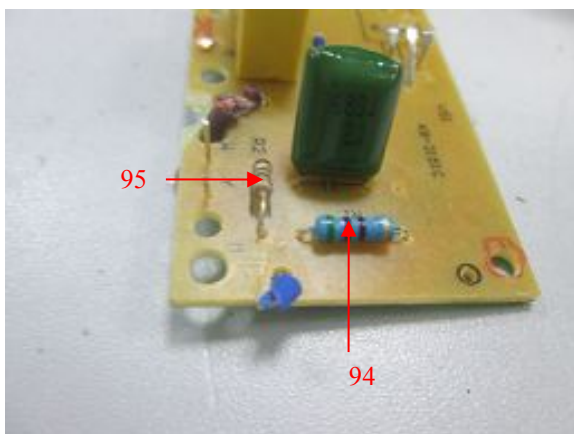
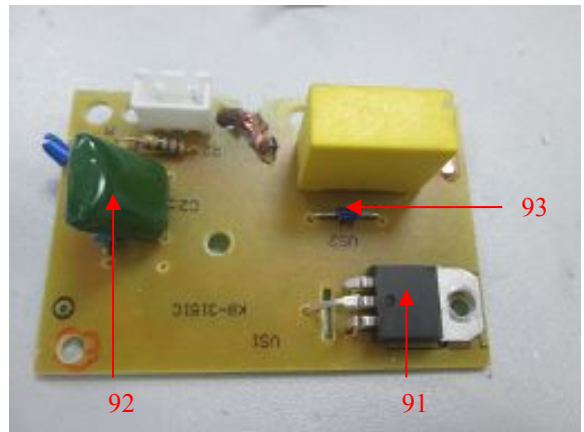
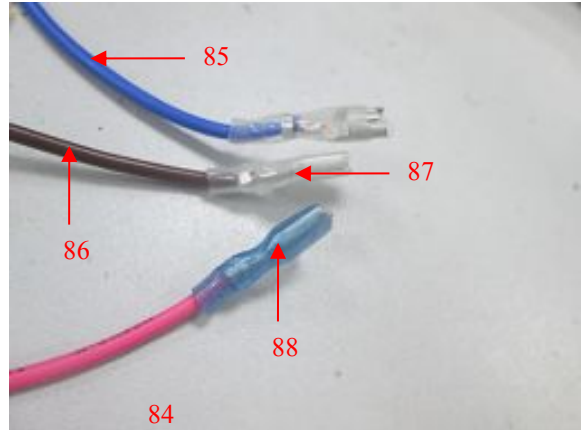
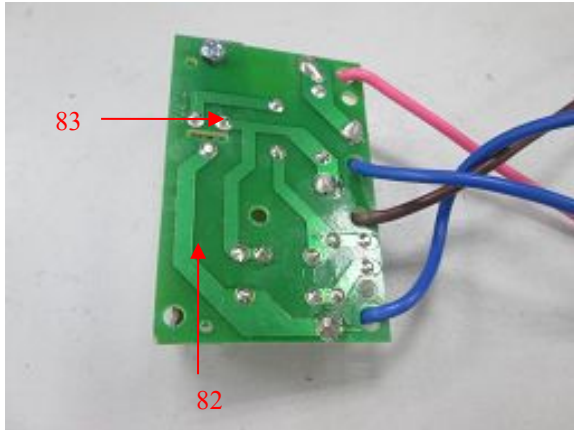
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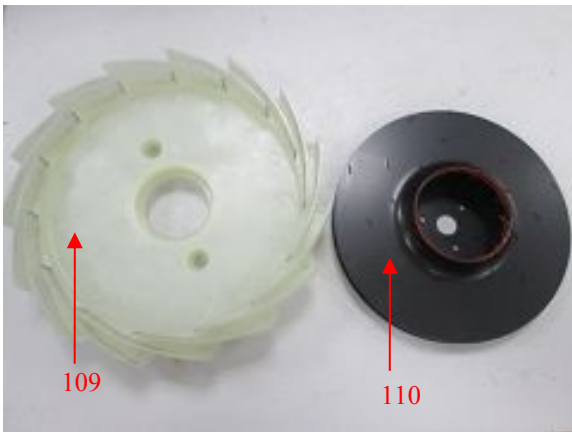
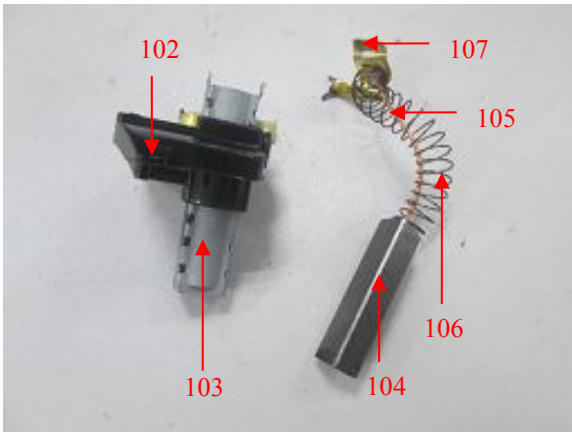
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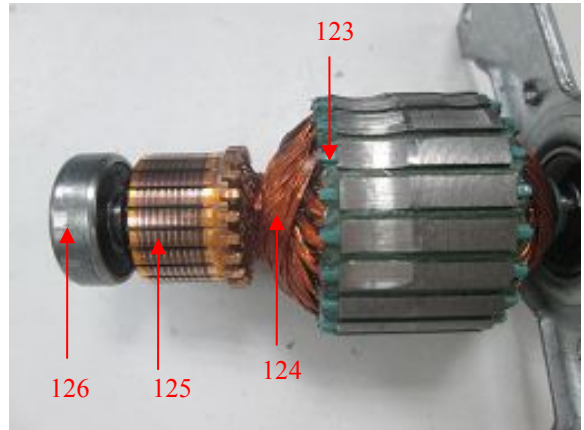
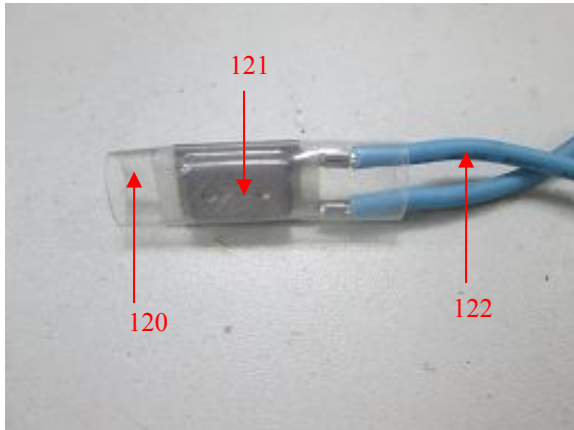
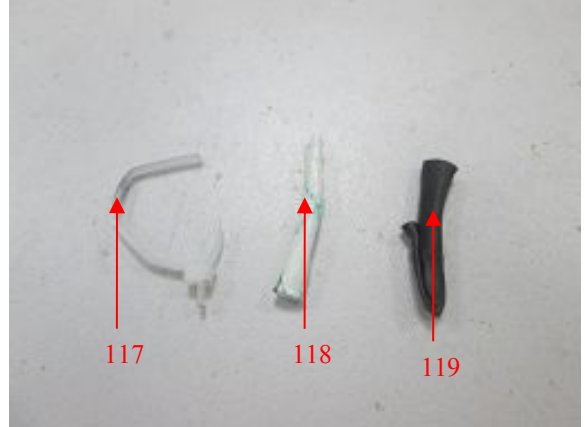
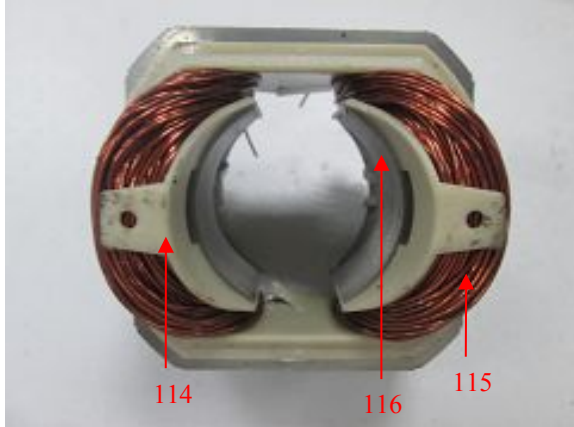
Comment :

Photograph(s) [Compliance Test for European Council Directive 2011/65/EU] :



Comment :

Photograph(s) [Compliance Test for European Council Directive 2011/65/EU] :



END



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 Analyte(s)	Detection Limit (mg/kg)				Wet Chemistry	Maximum Allowable Limit (mg/kg)
		X-ray fluorescence (XRF) ^[a]					
		Plastic	Metallic / glass / ceramic	Others			
1	Lead (Pb)	100	200	200	10 ^[b]	1 000	
2	Cadmium (Cd)	50	50	50	10 ^[b]	100	
3	Mercury (Hg)	100	200	200	10 ^[c]	1 000	
4	Chromium (Cr)	100	200	200	NA	NA	
5	Chromium VI (Cr VI)	NA	NA	NA	3 ^[g, h] / 10 ^[d] / See ^[e, i]	1 000 / Negative ^[i]	
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 1 000	
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 1 000	

NA = Not applicable
IEC = International Electrotechnical Commission

[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: 2007.
[h] Other Than Metal, Leather, Polymers and Electronics - Test method with reference to International Standard ISO 17075: 2007.
[i] 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)



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LAB NO. : (6616)245-0954
 DATE : September 2, 2016
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Annex

The client declared that the materials used of below Styles are same as tested style SL303A07.

Description																
SL111	SL121X	SL150X	SL160X	SL201X	SL210X	SL220X	SL230X	SL240X	SL250X	SL280X	SL301X	SL401X	SL583X	SL601X	SL701	SLCM902S
	SL122X	SL151X	SL161X	SL202X	SL211X	SL221X	SL231X	SL241X	SL251X	SL281X	SL302X	SL402X	SL583EX	SL602X	SL701X	SLCM902D
	SL123X	SL152X	SL162X	SL203X	SL212X	SL222X	SL232X	SL242X	SL252X	SL282X	SL303X	SL403X	SL583FX	SL603X	SL702	SLCM902X
	SL124X	SL153X	SL163X	SL204X	SL213X	SL223X	SL233X	SL243X	SL253X	SL283X	SL304X	SL404X	SL583HX	SL604X	SL702X	
	SL125X	SL154X	SL164X	SL205X	SL214X	SL224X	SL234X	SL244X	SL254X	SL284X	SL305X	SL405X	SL584X	SL605X	SL703	
	SL126X	SL155X	SL165X	SL206X	SL215X	SL225X	SL235X	SL245X	SL255X	SL285X	SL306X	SL406X	SL585X	SL606X	SL703X	
	SL127X	SL156X		SL207X	SL216X	SL226X	SL236X	SL246X	SL256X	SL286X	SL307X	SL407X	SL585EX	SL607X		
	SL128X	SL157X		SL208X	SL217X	SL227X	SL237X	SL247X	SL257X	SL287X	SL308X	SL408X	SL586X	SL608X		
	SL129X	SL158X		SL209X	SL218X	SL228X	SL238X	SL248X	SL258X	SL288X	SL309X	SL409X	SL586EX	SL609X		
		SL159X			SL219X	SL229X	SL239X	SL249X	SL259X	SL289X			SL587X			
													SL588X			
													SL589X			

备注: X=A04、A05、A06、A07、A08、A09、AA、A、B、C、D、E、F、G、H

SL150NX	SL219EX	SL583NX	SL585FX	SL611X
SL151NX	SL227EX	SL584NX	SL586FX	SL612X
SL152NX	SL233EX	SL585NX	SL585GX	SL613X
SL153NX		SL586NX	SL586GX	SL614X
SL154NX			SL585HX	SL615X
SL155NX				SL616X
SL156NX				SL617X
SL157NX				SL618X
SL158NX				SL619X
SL159NX				

Remark:

Since the client was not able to provide the sample of additional Style, above additional Style(s) hasn't been tested, but only based on the guarantee letter provided by the client. Bureau Veritas-CPS takes no responsibility for any mistakes and the problems of product consistency caused by inaccurate and/or invalid information submitted by the client. The client will take the responsibility of all discrepancy and risk.