



XRF Screening and chemical confirmation test report

Number: 161100492SHA-001

Applicant: Pinghu Dake Baby Carrier Co., Ltd
No.,1238,Jianxin Road, Xincang, Pinghu, Zhejiang, China

Date: Dec. 02, 2016

Sample description:

One (1) set of submitted sample said to be:

Item name : Electric Ride On Car
Model No. : Volvo XC90
Manufacture : Pinghu Dake Baby Carrier Co., Ltd
No.,1238,Jianxin Road, Xincang, Pinghu, Zhejiang, China

Tests conducted:

As requested by the applicant, for details refer to attached page(s).

Conclusion:

<u>Tested sample</u>	<u>Standard</u>	<u>Result</u>
Tested components of submitted sample	Screening by XRF spectroscopy and chemical confirmation test for RoHS Directive 2011/65/EU.	Pass

To be continued

Authorized by:
For Intertek testing services Ltd., Shanghai

Jonny Jing
Operation Manager



Tests Conducted

Determination of levels of regulated substances in electrotechnical products, elements of Cadmium (Cd), Lead (Pb), Mercury (Hg), Chromium (Cr) and Bromine (Br) contents were measured by XRF Spectroscopy and chemical confirmation test for RoHS restricted substances.

(A) Results:

Part No.	Tested Components	Refer information	Restricted Substance	XRF Result	Chemical Confirmation Result	Conclusion on RoHS
1	TYRE ASSEMBLY					
1-1	ORNAMENT STRIP (SILVERY NONMETAL)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
1-2	TYRE (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
1-3	NON SLIP BAND (BLACK RUBBER)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
1-4	TYRE BIG BODY (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
2	STEERING WHEEL ASSEMBLY					
2-1	TOP SHELL (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	

To be continued



Tests Conducted

Part No.	Tested Components	Refer information	Restricted Substance	XRF Result	Chemical Confirmation Result	Conclusion on RoHS
2-2	BOTTOM SHELL (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
2-3	BUTTON (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
2-4	KEY PCB WITH SOLDERING TIN (GREEN NONMETAL)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	X	PBBs=ND PBDEs=ND	
3	REARVIEW MIRROR ASSEMBLY					
3-1	MIRROR BASE (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
3-2	BACK SHELL (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
3-3	BRACKET (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
4	SEAT ASSEMBLY					

To be continued



Tests Conducted

Part No.	Tested Components	Refer information	Restricted Substance	XRF Result	Chemical Confirmation Result	Conclusion on RoHS
4-1	SEAT BIG BODY (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
4-2	BACKREST BIG BODY (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
4-3	HEADREST BIG BODY (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
4-4	HEADREST BACK SHELL (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
4-5	CROSS SCREW (BLACK METAL)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	NA	/	
4-6	WOVEN BELT (BLACK THREAD)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
4-7	HASP (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	

To be continued



Tests Conducted

Part No.	Tested Components	Refer information	Restricted Substance	XRF Result	Chemical Confirmation Result	Conclusion on RoHS
5	TELECONTROLLER					
5-1	LABEL (COLORFUL PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
5-2	SHELL (WHITE PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
5-3	INDICATOR LIGHT WINDOW (RED PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
5-4	KEY (ORANGE RUBBER)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
5-5	TELECONTROL MIAN PCB WITH PATCH ELEMENT SOLDERING TIN (GREEN NONMETAL)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	X	PBBs=ND PBDEs=ND	
5-6	LITTLE PCB WITH PATCH ELEMENT SOLDERING TIN (BLACK NONMETAL)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	X	PBBs=ND PBDEs=ND	

To be continued



Tests Conducted

Part No.	Tested Components	Refer information	Restricted Substance	XRF Result	Chemical Confirmation Result	Conclusion on RoHS
5-7	BATTERY COVER	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
6	CAR DOOR					
6-1	SCREW (SILVERY METAL)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	X	Cr ⁶⁺ : Negative	
			Br	NA	/	
6-2	OUTER DOOR PLATE (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
6-3	OUTER DOOR HANDLE (BEIGE PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
6-4	WINDOW GLASSDECORATIVE RING (BEIGE PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
6-5	WINDOW GLASS (TRANSPARENT GLASS)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	

To be continued



Tests Conducted

Part No.	Tested Components	Refer information	Restricted Substance	XRF Result	Chemical Confirmation Result	Conclusion on RoHS
6-6	INNER DOOR FRAME TRIM (BEIGE PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
6-7	INNER DOOR FRAME (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
6-8	DOOR SWITCH					
6-8-1	DOOR SWITCH (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
6-8-2	DOOR LOCK PIN (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
6-8-3	DOOR LOCK SPRING (SILVERY METAL)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
7	AUTO LOGO (SILVERY NONMETAL)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	

To be continued



Tests Conducted

Part No.	Tested Components	Refer information	Restricted Substance	XRF Result	Chemical Confirmation Result	Conclusion on RoHS
8	DOUBLE SIDES ADHESIVE (GRAY SOLID)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
9	GRILLE (BEIGE PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
10	GRILLE PLATE (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
11	FRONT WINDSHIELD ASSEMBLY					
11-1	FRONT FRAME (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
11-2	WINDSHIELD (TRANSPARENT PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
11-3	BACK FRAME (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	

To be continued



Tests Conducted

Part No.	Tested Components	Refer information	Restricted Substance	XRF Result	Chemical Confirmation Result	Conclusion on RoHS
12	CHASSIS (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
13	SHIFT SWITCH ASSEMBLY					
13-1	DECORTIVE STRIP (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
13-2	DECORATIVE PIECE (SILVERY NONMETAL)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
13-3	HANDLE BIG BODY (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
13-4	LEVER (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
13-5	SWITCH SHELL (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	X	PBBs=ND PBDEs=ND	

To be continued



Tests Conducted

Part No.	Tested Components	Refer information	Restricted Substance	XRF Result	Chemical Confirmation Result	Conclusion on RoHS
13-6	SPRING (SILVERY METAL)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	X	Cr ⁶⁺ : Negative	
			Br	NA	/	
13-7	SPRING CAP (SILVERY METAL)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	NA	/	
13-8	MOVABLE CONTACT (SILVERY METAL)	/	Cd	X	Cd=6000ppm(#1)	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	NA	/	
13-9	MOVABLE CONTACT PIECE (SILVERY METAL)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	NA	/	
13-10	CONTACT (SILVERY METAL)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	NA	/	
13-11	PIN (SILVERY METAL)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	NA	/	
13-12	SWITCH BASE (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	

To be continued



Tests Conducted

Part No.	Tested Components	Refer information	Restricted Substance	XRF Result	Chemical Confirmation Result	Conclusion on RoHS
13-13	SWITCH LINE SLOT (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
14	ACCELERATION SWITCH					
14-1	PEDAL COVER (GRAY PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
14-2	SWITCH BUTTON (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	X	PBBs=ND PBDEs=ND	
14-3	FRAME (GRAY PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
14-4	SHELL (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	X	PBBs=ND PBDEs=ND	
14-5	ACCELERATION BASE (GRAY PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
15	FRONT LIGHT					

To be continued

Tests Conducted

Part No.	Tested Components	Refer information	Restricted Substance	XRF Result	Chemical Confirmation Result	Conclusion on RoHS
15-1	LAMPSHADE (TRANSPARENT PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
15-2	REFLECTOR COVER (SILVERY NONMETAL)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
16	PEDAL					
16-1	PEDAL (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
16-2	PEDAL SURPPORT PLATE (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
17	HOOD (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
18	ABOUT GRILLE					
18-1	FORWARD GRILLE (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	

To be continued



Tests Conducted

Part No.	Tested Components	Refer information	Restricted Substance	XRF Result	Chemical Confirmation Result	Conclusion on RoHS
18-2	FORWARD GRILLE TRIM (SILVERY NONMETAL)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
19	BIG BODY (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
20	CHASSIS (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
21	LINE SLOT PLATE (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
22	TAPPING SCREW (SILVERY METAL)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	X	Cr ⁶⁺ : Negative	
			Br	NA	/	
23	STEERING BOOSTER					
23-1	STEERING ROD (BLACK METAL)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	NA	/	

To be continued



Tests Conducted

Part No.	Tested Components	Refer information	Restricted Substance	XRF Result	Chemical Confirmation Result	Conclusion on RoHS
23-2	GEAR BOX SCREW (SILVERY METAL)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	X	Cr ⁶⁺ : Negative	
			Br	NA	/	
23-3	GEAR BOX BASE (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
23-4	MOTOR PCB (GREEN NONMETAL)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	X	PBBs=ND PBDEs=ND	
23-5	SPLITPIN (SILVERY METAL)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	X	Cr ⁶⁺ : Negative	
			Br	NA	/	
23-6	GASKET (SILVERY METAL)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	X	Cr ⁶⁺ : Negative	
			Br	NA	/	
23-7	SOLDERING TIN (SILVERY METAL)	/	Cd	P	/	Pass
			Pb	X	Pb=200ppm	
			Hg	P	/	
			Cr	P	/	
			Br	NA	/	
24	RECHARGE STAND					

To be continued



Tests Conducted

Part No.	Tested Components	Refer information	Restricted Substance	XRF Result	Chemical Confirmation Result	Conclusion on RoHS
24-1	RECHARGE STAND SHELL (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
24-2	SHELL (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
24-3	POSITIVE POLE PIN (SILVERY METAL)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	X	Cr ⁶⁺ : Negative	
			Br	NA	/	
24-4	SIDE COVER (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
24-5	CONNECTING PIECE (SILVERY METAL)	/	Cd	X	Cd=ND	Pass
			Pb	X	Pb=500ppm	
			Hg	P	/	
			Cr	P	/	
			Br	NA	/	
24-6	SCREW (SILVERY METAL)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	X	Cr ⁶⁺ : Negative	
			Br	NA	/	
25	DASHBOARD					

To be continued



Tests Conducted

Part No.	Tested Components	Refer information	Restricted Substance	XRF Result	Chemical Confirmation Result	Conclusion on RoHS
25-1	DASHBOARD TOP SHELL (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
25-2	DASHBOARD BOTTOM SHELL (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
25-3	START SWITCH					
25-3-1	SHELL (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
25-3-2	PIN CHIP HOLDER (WHITE PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
25-4	LABEL (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
25-5	SPEAKER					
25-5-1	WASHER (BLACK PAPER)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	

To be continued



Tests Conducted

Part No.	Tested Components	Refer information	Restricted Substance	XRF Result	Chemical Confirmation Result	Conclusion on RoHS
26	FRONT SUSPENSION					
26-1	COATING (BLACK SOLID)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
26-2	SQUARE TUBE (SILVERY METAL)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	NA	/	
27	CONTROL BOX					
27-1	COVER (WHITE PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
27-2	RELAY SHELL (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	X	PBBs=ND PBDEs=ND	
27-3	PCB WITH PATCH ELEMENT (GREEN NONMETAL)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	X	PBBs=ND PBDEs=ND	
28	INNER CONNECTING WIRE					
28-1	PLUG SHELL (WHITE PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	

To be continued



Tests Conducted

Part No.	Tested Components	Refer information	Restricted Substance	XRF Result	Chemical Confirmation Result	Conclusion on RoHS
28-2	LINE SKIN (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
28-3	LINE SKIN (YELLOW PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
28-4	LINE SKIN (BROWN PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	
28-5	OVERLOAD PROTECTOR SHELL (BLACK PLASTIC)	/	Cd	P	/	Pass
			Pb	P	/	
			Hg	P	/	
			Cr	P	/	
			Br	P	/	

Remark: P = pass (Below the lower screening limit of table (B))
 X = inconclusive result (Further chemical test was suggested (see table (B).)
 NA = not applicable
 ND = not detected

Negative = A negative test result indicated the absorbance value of testing sample solution for Cr(VI) testing is less than the absorbance value of the 0.10µg/cm² equivalent comparison standard solution, the Cr(VI) concentration is below the limit of quantification, then the sample is considered to be negative for Cr(VI).

(#1) = According to the client's statement, the Cadmium content of the component is coming from the constituent of electrical contacts. According to EU RoHS Directive, Cadmium in electrical contacts of this component can be exempted.

To be continued

Tests Conducted

(B) XRF screening limits in mg/kg for regulated elements in various matrices.

Element	Polymer materials	Metallic materials	Composite materials
Cd	$P \leq 70 < X < 130 \leq F$	$P \leq 70 < X < 130 \leq F$	$P \leq 70 < X < 150 \leq F$
Pb	$P \leq 700 < X < 1300 \leq F$	$P \leq 700 < X < 1300 \leq F$	$P \leq 500 < X < 1500 \leq F$
Hg	$P \leq 700 < X < 1300 \leq F$	$P \leq 700 < X < 1300 \leq F$	$P \leq 500 < X < 1500 \leq F$
Cr	$P \leq 700 < X$	$P \leq 700 < F$	$P \leq 500 < X$
Br	$P \leq 300 < X$	Not applicable	$P \leq 250 < X$

(C) Estimated detection limits in mg/kg for regulated elements in various matrices.

Element	Polymer materials	Metallic materials	Composite materials
Cd	50	70	70
Pb	100	200	200
Hg	100	200	200
Cr	100	200	200
Br	200	Not applicable	200

Disclaimers:

This XRF screening report is for reference purposes only. The applicant shall make its/his/her own judgment as to whether the information provided in this XRF screening report is sufficient for its/his/her purposes.

The results shown in this XRF screening report will differ based on various factors, including but not limited to, the sample size, thickness, area, surface flatness, equipment parameters and matrix effect (e.g. plastic, rubber, metal, glass, ceramic etc.). Further wet chemical pre-treatment with relevant chemical equipment analysis is required to obtain quantitative data.

(D) Chemical confirmation test methods:

Testing item	Testing method	Reporting limit
Lead (Pb) Content	With reference to IEC 62321-5 Edition 1.0:2013, by acid digestion and determined by ICP - OES	2 mg/kg
Chromium (VI) (Cr ⁶⁺) Content	With reference to IEC 62321-7-1 Edition 1.0:2015, by boiling water extraction and determined by UV-VIS Spectrophotometer.	Positive(>0.13 µg/cm ²) / Negative(<0.10 µg/cm ²) / Inconclusive(0.10µg/cm ² --0.13 µg/cm ²)
Chromium (VI)(Cr ⁶⁺) Content	With reference to IEC 62321 Edition 1.0:2008, by alkaline digestion and determined by UV-VIS Spectrophotometer	1 mg/kg
Polybrominated Biphenyls (PBBs) & Polybrominated Diphenyl Ethers (PBDEs)	With reference to IEC 62321-6 Edition 1.0:2015, by solvent extraction and determined by GC/MS and further HPLC confirmation when necessary.	5 mg/kg

To be continued



Tests Conducted

(E) RoHS requirement

Restricted substances	Limits
Cadmium (Cd)	0.01% (100 ppm)
Lead (Pb)	0.1% (1000 ppm)
Mercury (Hg)	0.1% (1000 ppm)
Chromium (VI) (Cr6+)	0.1% (1000 ppm)
Polybrominated biphenyls (PBBs)	0.1% (1000 ppm)
Polybrominated diphenyl ethers (PBDEs)	0.1% (1000 ppm)

The above limits were quoted from RoHS Directive 2011/65/EU.

Date sample received: Nov. 18, 2016

Testing period: Nov. 18, 2016 To Nov. 30, 2016

To be continued

Tests Conducted

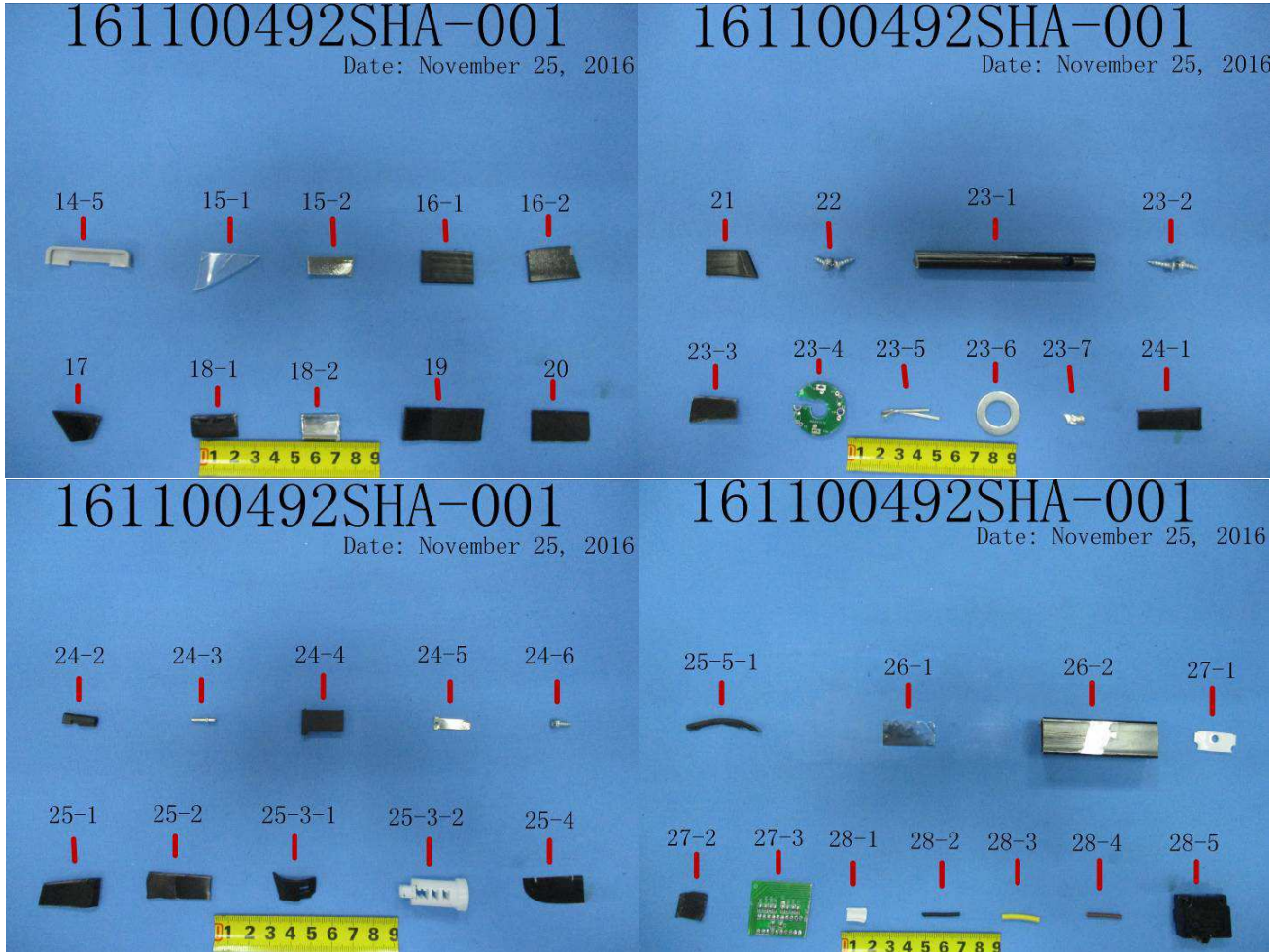
Photo



To be continued

Tests Conducted

Photo



To be continued

Tests Conducted

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End of report

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