

TEST REPORT

Applicant

: Fujian Xinhong Mech & Elec Co., Ltd.

Address

Baijin Industry Zone, Baizhang Town, Minqing City, Fuzhou, Fujian, China

Report on the submitted sample said to be:

Sample name

: Heat Press Machine

Trade Name

N/A

Model

HP3805N, HP230A, HP230B, HP230C, HP230N, HP230N-2, HP3801, HP3802, HP3803, HP3804, HP3804B, HP3804C, HP3804D, HP3805, HP3805-2, HP3805B, HP3805N-2, HP3806, HP3807, HP3808, HP3809, HP680, HP5IN1, HP6IN1 HP7IN1, HP8IN1, COMBO, FJXHB1, FJXHB1-2, FJXHB1-N, FJXHB1-2N, FJXHB2, FJXHB2-N,FJXHB2-2N, FJXHB3, FJXHB4, FJXHB5, FJXHD2, FJXHB1015, MPA-11, MP150, MP150-X, MP150*5, MP160, MP170, MP180, MP300, MP2105, MP3105, MP4105, CP815, CP815B, CP2815, CP2815-M, CP2815-Q, CP3815, PT110,

PT110-2, PT110-2PX, HP230C-X, HP230C-M, HP230C-SX, RP100, RPE3, HP3809-M, FJXHB5-3T, FJXHB5-7T, FJXHB5-20T, MRP-MINI, MRP-HYD,

MRP-AIR, MRP-ELEC, RPKT

Manufacturer

: Fujian Xinhong Mech & Elec Co., Ltd.

Address

Baijin Industry Zone, Baizhang Town, Minqing City, Fuzhou, Fujian, China

Test conclusion

Based on the performed tests on submitted samples, the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs). Polybrominated diphenyl ethers (PBDEs), Bis (2-ethylhexyl)

phthalate (DEHP), Benzyl butyl phthalate (BBP), Dibutyl phthalate (DBP), Di Iso Butyl Ortho Phthalate (DIBP) comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Testing period

: Jul. 10, 2020 to Jul. 17, 2020

Date of report

: Jul. 17, 2020

Testing Requested:	Results
Selected test(s) as requested by client	Pass

Prepared by:

Examine By:

Matilda

Matilda

Calvin Chen

Calvin Chen



Testing method:

- 1. With reference to IEC 62321-1:2013, review was performed for the samples disjointed from the submitted articles submitted by the Applicant
- Tests were performed for the samples indicated by the photos in the report with test methods reference to IEC 62321-1:2013, Procedures for the determination of Levels of Six regulated Substances in Electrotechnical Products
 - (1) With reference to IEC 62321-3-1:2013, Screening by XRF spectrometry
 - (2) Wet Chemical Test Method
 - a. With reference to IEC 62321-5:2013, Determination of Lead &Cadmium by ICP-OES or AAS
 - b. With reference to IEC 62321-4:2013+A1:2017, Determination of Mercury by ICP-OES
 - c. With reference to IEC 62321-7-1:2015, Determination of Hexavalent Chromium by Spot or Colorimetic Method
 - d. With reference to IEC 62321-6:2015, Determination of PBBs and PBDEs by GC-MS
 - e. With reference to IEC 62321-8:2017, Determination of DEHP, DIBP, DBP and BBP by GC-MS

Note:

The test results are related only to the tested items. The report shall note be reproduced excpt in full without the written approval of the testing laboratory.



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Part No.	Part Description	Restricted	Results of	Result of wet	Conclusion	Sample submitted/
4	OCE TOCE	Substance	EDXRF	Chemical Testing	on RoHS	Resubmitted
CE	POS	POL	0	(2mg/kg)	CE.	Date
1	Thermal Fuse	Pb	BL	DE PC	Comply	Jul. 17, 2020
OCE	CE PO	Cd P	BL	POOL	Comply	OCE
0	POUL	Hg	BL	at t	Comply	POO
TOCE	-CE	Cr(VI)	BL	POCI	Comply	OCE
PO	POUL	Br	BL	-CE	Comply	POS
200	E OCE	DEHP	IN	ND	Comply	OCE
PC	POO	BBP	IN	ND OF	Comply	PU
00	OCE OCE	DBP	IN	ND	Comply	FOCE
ET	POO	DIBP	IN 50	OF ND	Comply	OF POS
2	LCD Controller	Pb	BL	POO	Comply	Jul. 17, 2020
CE	CE PO	Cd	BL	OCE -	Comply	CE FO
	BOOL SOC	Hg	BL	PC	Comply	DO
OCE	CE PO	Cr(VI)	BL	POCE	Comply	OCE
300	POUL	○ Br	BL	SE F	Comply	POOL
SOCE	-CE P	DEHP	IN	ND	Comply	OCE '
PO	POUL	BBP	IN	ND	Comply	POO
200	CE CE	DBP	IN	ND	Comply	TOCE
PC	POOL	DIBP	IN	ND ND	Comply	E PO
3	25DA Solid State Relay	Pb	BL	POU	Comply	Jul. 17, 2020
E	POO	Cd	BL	CF OC	Comply	CE PO
	DOCE DOCE	Hg	BL	POS	Comply	200
CE	PO-	Cr(VI)	BL	OCE .	Comply	CE
	POCE SOC	Br	BL	OF PO	Comply	000
OCE	CE PO	DEHP	IN	ND	Comply	OCE
	POUL	BBP	IN	ND	Comply	POU
SOCE	OCE	DBP	IN	ND	Comply	OCE
PO	POUL	DIBP	INCE	ND	Comply	POO
400	25A Power Switch	Pb	BL	POO	Comply	Jul. 17, 2020
	PUS	Cd	BL	E OCE	Comply	EPO
D	OCE TOCE	Hg	BL	POO	Comply	DOCE
E	at po	Cr(VI)	BL	CF	Comply	CE
	POCE	Br	BL	-E - PU	Comply	000
CE	CE PO	DEHP	IN	OCEND	Comply	-CE
	POUL DOC	BBP	IN	ND	Comply	000
OCE	CE	DBP 📍	IN	ND	Comply	OCE
Po	POUL	DIBP	INE	ND	Comply	600



Part No.	Part Description	Restricted	Results of	Result of wet	Conclusion	Sample submitted/
E	POO	Substance	EDXRF	Chemical Testing	on RoHS	Resubmitted
1	OCE -OCE		E	(2mg/kg)	pC	Date
5	20A Circuit Breaker	Pb	BL	OCE	Comply	Jul. 17, 2020
0-	POCE DOC	Cd	BL	PC	Comply	OUT DO
OCE	DE PO	Hg 🏸	BL	DOCE	Comply	OF
00	POOL	Cr(VI)	BL	JE F	Comply	POOL
-OCE	CE PO	Br	BL	POCE	Comply	OCE
POS	POUL	DEHP	IN	ND	Comply	POO
200	E OCE	BBP	IN	ND	Comply	OCE
PO	POUL	DBP	IN	ND ND	Comply	POO
20	OCE OCE	DIBP	IN	ND	Comply	E -OCE
6	Silicone Pad	Pb	BL	CE - C	Comply	Jul. 17, 2020
	DOCE -OCE	Cd	BL	POC	Comply	CE 200
CE	PU	Hg	BL	OCE	Comply	OE PO
0	POCE SOC	Cr(VI)	BL	PC	Comply	1000
OCE	LE PO	Br P	BL	POCE	Comply	at the
00.	POUL	DEHP	IN	ND	Comply	POUL
-OCE	S OF PO	BBP	IN	ND	Comply	OCE
PO	POUL	DBP	IN	ND	Comply	POOL
-00	E CE	DIBP	IN	ND	Comply	OCE
7	Thermocouple	Pb	BL	E - CE	Comply	Jul. 17, 2020
0	OCE OCE	Cd	BL	POOL	Comply	FOCE
= +	POO	Hg	BL	CE OC	Comply	as Po
	POCE -OCE	Cr(VI)	BL	POU	Comply	OCE DO
CE	PO	Br	BL	OCE	Comply	CE PO
0-	DOCE TOO	DEHP	IN	ND	Comply	0000
OCE	DE PO	BBP 📍	IN	ND	Comply	OF
Oc	POCE	DBP	IN	ND	Comply	POOL
-OCF	E P	DIBP	POIN	ND	Comply	-CE
8	Power Cord	Pb	BLC	· CE	Comply	Jul. 17, 2020
201	CE CE	Cd	BL	POUL	Comply	OCE
PO	POOL	Hg	BLOC	E OF	Comply	POO
0	OCE OCE	Cr(VI)	BL	POUL	Comply	-OCF
E	POO	Br	BL	CE - C	Comply	as Poo
	POCE -OCE	DEHP	IN IN	ND PO	Comply	DCE 20
CE	PUO	BBP	IN	OCEND	Comply	DE PU
000	DOCK -OC	DBP	IN	ND	Comply	DOCE
OF	POC	DIBP ?	IN	OCND	Comply	- P



	PO	0000	-0G	C		
Part No.	Part Description	Restricted	Results of	Result of wet	Conclusion	Sample submitted/
EF	POO	Substance	EDXRF	Chemical Testing	on RoHS	Resubmitted
	OCE -OCE		EPO	(2mg/kg)	pO	Date
9	Heating Element	Pb	BL	OCE	Comply	Jul. 17, 2020
	POOL DOC	Cd	BL	PC	Comply	000
OCE	CE PO	Hg 🥂	BL	POCE	Comply	OCE
000	POUL	Cr(VI)	BL	SE F	Comply	POOL
SOCE	-CE	Br	BL	POUL	Comply	OCE
PO-	POUL	DEHP	IN	ND	Comply	POS
200	E OCE	BBP	IN	ND	Comply	OCE
PU	POO	DBP	IN C	ND OF	Comply	POO
00	OCE -OCE	DIBP	IN	ND	Comply	FOCE
10	Lower Platen	Pb	BL	CE - CC	Comply	Jul. 17, 2020
	DOCE DOCE	Cd	BL	POO	Comply	200
CE	as po	Hg	BL	OCE -	Comply	CE PO
	POCE SOC	Cr(VI)	BL	PC	Comply	DOUT DO
OCE	CE PO	Br 🏋	30-	POCE	OCE	CE
000	POUL	DEHP	OCE	OF P		POOL
SOCE	-CE	BBP	200	POOL	BOCE	OCE '
PO	POUL	DBP	TOCE	CE	F	POO
200	E OCE	DIBP	PO	POUL	POCE	TOCE
11	Silver metal shell	Pb	BL	CE	Comply	Jul. 17, 2020
D	OCE TOCE	Cd	BL	POO	Comply	BOCE
E	E PO	Hg	BL	CE - DO	Comply	CE P
	POCE	Cr(VI)	BL	as Pos	Comply	POC
CE	CE PU	Br	- P	OCE - 20	CE-	-CE
,	POUL DOC	DEHP	OCE .	OF PO	- 1	POO PO
OCE	-CE	BBP	-	POUL	OCE	-OCE
	POUL	DBP	POCE	OCE	-	PUT
200	- OCE	DIBP	-	POUL	POCE	OCE
12	Screw	Pb	BLC	OCE	Comply	Jul. 17, 2020
00	OF OCE	Cd	BL	POO	Comply	TOCE
	POS	Hg	BL	E OCE	Comply	E PO
D	OCE TOCE	Cr(VI)	BL	POO	Comply	BOCE
E	CE PO	Br	- 00	CF	E -	CE PO
	POUL	DEHP	E-F	- PU-	- PC	000
CE	CE PO	BBP	- 0	OCE -	CE -	-CE
	POUL DOC	DBP	OCE "	DE PL	- 1	000
CE	7 40	DIBP 📍	90.	BOCK	OCE	OF T



000	Part No.	Part Description	Restricted Substance	Results of EDXRF	Result of wet Chemical Testing	Conclusion on RoHS	Sample submitted/ Resubmitted
POUL		OCE TOCE	1	E PO	(2mg/kg)	pO	Date
- 0	13	Nut	Pb	BL	OCE -	Comply	Jul. 17, 2020
PO		POCE DOC	Cd	BL	PU	Comply	000
,	OCE	OE PO	Hg P	BL	POCE	Comply	OCE
60	00	POUL	Cr(VI)	BL	-E +	Comply	POUL DO
	-OCE	· · · · · · · · · · · · · · · · · · ·	Br	200	POCE	DOCE	OCE
	PO-	POUL	DEHP	OCE	CE.	40	POS
المال	200	E OCE	BBP	PO	POUL	POCE	OCE
25	PO	POOL	DBP	50C	E -CE	-	POO
OCE	20	OCE OCE	DIBP	90	POOL	200	- OCE
CE	= 1	POO	POOL	00	CE OC	E	as po

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Remark:

- (1) (a) It is the result on total Br while test item on restricted is PBBs\PBDEs. It is the result on total Cr6+ while test item on restricted substances is Cr⁶⁺.
 - (b) Results are obtained by EDXRF for primary screening ,and further chemical testing by ICP(for Cd, Pb, Hg), UV-VIS(for Cr⁶⁺) and GC\MS (for PBBs, PBDEs) is recommended to be performed , if the concentration exceeds the below warning value according to IEC62321(unit: mg\kg)

Element	Polymer	Metal	Composite Materals
Cd	BL≤ (70-3 σ) <x<(130+3)="" td="" σ="" ≤ol<=""><td>BL≤ (70-3 o) <x<(130+3)="" o="" td="" ≤ol<=""><td>LOD<x<(150+3)="" o="" td="" ≤ol<=""></x<(150+3></td></x<(130+3></td></x<(130+3>	BL≤ (70-3 o) <x<(130+3)="" o="" td="" ≤ol<=""><td>LOD<x<(150+3)="" o="" td="" ≤ol<=""></x<(150+3></td></x<(130+3>	LOD <x<(150+3)="" o="" td="" ≤ol<=""></x<(150+3>
Pb	BL ≤ (700-3 σ) <x<(1300+3)="" td="" σ="" ≤ol<=""><td>BL ≤ (700-3 σ) <x<(1300+3)="" σ="" ≤<br="">OL</x<(1300+3></td><td>BL≤ (500-3 σ) <x<(1500+3)="" td="" σ="" ≤ol<=""></x<(1500+3></td></x<(1300+3>	BL ≤ (700-3 σ) <x<(1300+3)="" σ="" ≤<br="">OL</x<(1300+3>	BL≤ (500-3 σ) <x<(1500+3)="" td="" σ="" ≤ol<=""></x<(1500+3>
Hg	BL≤ (700-3 o) <x<(1300+3)="" o="" td="" ≤ol<=""><td>BL ≤ (700-3 σ) <x<(1300+3)="" σ="" ≤<br="">OL</x<(1300+3></td><td>BL≤ (500-3 σ) <x<(1500+3)="" td="" σ="" ≤ol<=""></x<(1500+3></td></x<(1300+3>	BL ≤ (700-3 σ) <x<(1300+3)="" σ="" ≤<br="">OL</x<(1300+3>	BL≤ (500-3 σ) <x<(1500+3)="" td="" σ="" ≤ol<=""></x<(1500+3>
Br	BL≤ (300-3 o) <x< td=""><td>= DOCE CE</td><td>BL≤ (250-3 σ) <x< td=""></x<></td></x<>	= DOCE CE	BL≤ (250-3 σ) <x< td=""></x<>
Cr	BL≤ (700-3 o) <x< td=""><td>BL≤ (700-3 σ) <x< td=""><td>BL≤ (500-3 σ) <x< td=""></x<></td></x<></td></x<>	BL≤ (700-3 σ) <x< td=""><td>BL≤ (500-3 σ) <x< td=""></x<></td></x<>	BL≤ (500-3 σ) <x< td=""></x<>

- (c)BL=Below Limit, OL=Over Limit, IN=Inconclusive, LOD=Limit of Detection,-=Not Regulated,
- Negative = A negative test result indicated above positive observation was not found at the time of testing. When the spot-test showed a negative result, the boiling-water-extraction procedure shall be used to verify the result.
 - (#1) = As claimed by the declaration submitted by the client, the Lead content of the components is coming from the constituent of ceramic part of the electronic component only. According to EU RoHS Directive, Lead in electronic ceramic parts of this component can be exempted.
- (d)The XRF screening test for RoHS elements-The reading may be different to the actual content in the sample be of non-uniformity composition.
- (2) (a) mg\kg=ppm=0.0001%, ND=Not Detected(<MDL)),
 - (b)Unit and Method Detection Limit(MDL)in wet chemical test

Test Items	Units	MDL	EU RoHS Limit
Pb	mg/kg	2 (1000
Cd	mg/kg	2	100
Hg	mg/kg	2,000	1000
0*(\(\lambda\)		0.02 mg/50 cm ² (Metal)	1000
Cr(VI)	mg/kg	2 2000	1000
PBBs	mg/kg	5	1000
PBDEs	mg/kg	PO 5 PO	1000
DEHP	mg/kg	5	1000
BBP	mg/kg	5 P	1000
DBP	mg/kg	5	1000
DIBP	mg/kg	5	1000

- (c) According to IEC 62321, result on Cr for metal sample is shown as Positive\Negative, Negative=Absence of Cr6+costing, Positive=Prosence of Cr 6+ coating.
- (d) ▲As declared by the client the materials fall into exemption items according to RoHS Directive 2011\65\EU recasting 2002\95\EC



Photograph of sample

POCE authenticate the photo on original report only



Photo 1



Photo 2



Photo 3

****END OF REPORT***

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