



TEST REPORT

RoHS

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Report No.:.....	: LTS201910230523
Applicant's Name:.....	: SKYRC Technology Co.,Ltd.
Address:.....	: 4,5,8/F, Building No.4, Meitai Science Park, Guanguang South Road, Guihua, Guanlan, Longhua District, Shenzhen 518110, China
Manufacturer	: SKYRC Technology Co.,Ltd.
Address	: 4,5,8/F, Building No.4, Meitai Science Park, Guanguang South Road, Guihua, Guanlan, Longhua District, Shenzhen 518110, China
Standard.....	: With reference to RoHS Directive (EU) 2015/863 amending 2011/65/EU.
Product	: Multi Chemistry Charger
Trademark	: SKYRC
Model and/or type reference	: e450
Test date	: May. 10, 2019 ~ May. 22, 2019
Date of report	: May. 23, 2019

Guangzhou LabTesting Service Co.,Ltd.

Issued by:






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Description and identification of test item

Multi Chemistry Charger

Marking plate:

N/A

TEST RESULTS :

Based on the verification results of the submitted samples, the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) and Phthalates such as Bis(2-ethylhexyl) phthalate (DEHP) , Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) , and Diisobutyl phthalate (DIBP) comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU..

Note :

The test results are related only to the tested items. The report shall not be reproduced except in full without the written approval of the testing laboratory.



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Part No.	Restricted Substances	Results of EDXRF(1)	Screening Result of PHTH(2).	Result of Wet Chemical Testing(3) (mg/kg)	Conclusion On EU RoHS
1#	Pb	BL	---	---	PASS
	Cd	BL	---	---	PASS
	Hg	BL	---	---	PASS
	Cr(VI)	BL	---	---	PASS
	PBBs	BL	---	---	PASS
	PBDEs	BL	---	---	PASS
	DBP	---	---	ND	PASS
	BBP	---	---	ND	PASS
	DEHP	---	---	ND	PASS
	DIBP	---	---	ND	PASS
2#	Pb	BL	---	---	PASS
	Cd	BL	---	---	PASS
	Hg	BL	---	---	PASS
	Cr(VI)	IN	---	ND	PASS
	PBBs	---	---	---	PASS
	PBDEs	---	---	---	PASS
	DBP	---	---	---	PASS
	BBP	---	---	---	PASS
	DEHP	---	---	---	PASS
	DIBP	---	---	---	PASS
3#	Pb	BL	---	---	PASS
	Cd	BL	---	---	PASS
	Hg	BL	---	---	PASS
	Cr(VI)	IN	---	ND	PASS
	PBBs	---	---	---	PASS
	PBDEs	---	---	---	PASS
	DBP	---	---	---	PASS
	BBP	---	---	---	PASS
	DEHP	---	---	---	PASS
	DIBP	---	---	---	PASS
4#	Pb	BL	---	---	PASS
	Cd	BL	---	---	PASS
	Hg	BL	---	---	PASS
	Cr(VI)	BL	---	---	PASS
	PBBs	IN	---	ND	PASS
	PBDEs	IN	---	ND	PASS
	DBP	---	---	ND	PASS
	BBP	---	---	ND	PASS



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Part No.	Restricted Substances	Results of EDXRF(1)	Screening Result of PHTH(2).	Result of Wet Chemical Testing(3) (mg/kg)	Conclusion On EU RoHS
	DEHP	---	---	ND	PASS
	DIBP	---	---	ND	PASS
5#	Pb	BL	---	---	PASS
	Cd	BL	---	---	PASS
	Hg	BL	---	---	PASS
	Cr(VI)	BL	---	---	PASS
	PBBs	BL	---	---	PASS
	PBDEs	BL	---	---	PASS
	DBP	---	BL	---	PASS
	BBP	---	BL	---	PASS
	DEHP	---	BL	---	PASS
	DIBP	---	BL	---	PASS
6#	Pb	BL	---	---	PASS
	Cd	BL	---	---	PASS
	Hg	BL	---	---	PASS
	Cr(VI)	IN	---	ND	PASS
	PBBs	---	---	---	PASS
	PBDEs	---	---	---	PASS
	DBP	---	---	---	PASS
	BBP	---	---	---	PASS
	DEHP	---	---	---	PASS
	DIBP	---	---	---	PASS
7#	Pb	BL	---	---	PASS
	Cd	BL	---	---	PASS
	Hg	BL	---	---	PASS
	Cr(VI)	BL	---	---	PASS
	PBBs	BL	---	---	PASS
	PBDEs	BL	---	---	PASS
	DBP	---	BL	---	PASS
	BBP	---	BL	---	PASS
	DEHP	---	BL	---	PASS
	DIBP	---	BL	---	PASS
8#	Pb	BL	---	---	PASS
	Cd	BL	---	---	PASS
	Hg	BL	---	---	PASS
	Cr(VI)	IN	---	ND	PASS
	PBBs	---	---	---	PASS
	PBDEs	---	---	---	PASS



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Part No.	Restricted Substances	Results of EDXRF(1)	Screening Result of PHTH(2).	Result of Wet Chemical Testing(3) (mg/kg)	Conclusion On EU RoHS
	DBP	---	---	ND	PASS
	BBP	---	---	ND	PASS
	DEHP	---	---	ND	PASS
	DIBP	---	---	ND	PASS
9#	Pb	BL	---	---	PASS
	Cd	BL	---	---	PASS
	Hg	BL	---	---	PASS
	Cr(VI)	IN	---	ND	PASS
	PBBs	---	---	---	PASS
	PBDEs	---	---	---	PASS
	DBP	---	---	---	PASS
	BBP	---	---	---	PASS
	DEHP	---	---	---	PASS
	DIBP	---	---	---	PASS
10#	Pb	BL	---	---	PASS
	Cd	BL	---	---	PASS
	Hg	BL	---	---	PASS
	Cr(VI)	BL	---	---	PASS
	PBBs	BL	---	---	PASS
	PBDEs	BL	---	---	PASS
	DBP	---	---	ND	PASS
	BBP	---	---	ND	PASS
	DEHP	---	---	ND	PASS
	DIBP	---	---	ND	PASS
11#	Pb	BL	---	---	PASS
	Cd	BL	---	---	PASS
	Hg	BL	---	---	PASS
	Cr(VI)	BL	---	---	PASS
	PBBs	BL	---	---	PASS
	PBDEs	BL	---	---	PASS
	DBP	---	BL	---	PASS
	BBP	---	BL	---	PASS
	DEHP	---	BL	---	PASS
	DIBP	---	BL	---	PASS
12#	Pb	BL	---	---	PASS
	Cd	BL	---	---	PASS
	Hg	BL	---	---	PASS
	Cr(VI)	BL	---	---	PASS



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Part No.	Restricted Substances	Results of EDXRF(1)	Screening Result of PHTH(2).	Result of Wet Chemical Testing(3) (mg/kg)	Conclusion On EU RoHS
	PBBs	BL	---	---	PASS
	PBDEs	BL	---	---	PASS
	DBP	---	BL	---	PASS
	BBP	---	BL	---	PASS
	DEHP	---	BL	---	PASS
	DIBP	---	BL	---	PASS
13#	Pb	BL	---	---	PASS
	Cd	BL	---	---	PASS
	Hg	BL	---	---	PASS
	Cr(VI)	BL	---	---	PASS
	PBBs	BL	---	---	PASS
	PBDEs	BL	---	---	PASS
	DBP	---	BL	---	PASS
	BBP	---	BL	---	PASS
	DEHP	---	BL	---	PASS
	DIBP	---	BL	---	PASS
14#	Pb	BL	---	---	PASS
	Cd	BL	---	---	PASS
	Hg	BL	---	---	PASS
	Cr(VI)	BL	---	---	PASS
	PBBs	BL	---	---	PASS
	PBDEs	BL	---	---	PASS
	DBP	---	---	ND	PASS
	BBP	---	---	ND	PASS
	DEHP	---	---	ND	PASS
	DIBP	---	---	ND	PASS
15#	Pb	IN	---	ND	PASS
	Cd	BL	---	---	PASS
	Hg	BL	---	---	PASS
	Cr(VI)	IN	---	ND	PASS
	PBBs	---	---	---	PASS
	PBDEs	---	---	---	PASS
	DBP	---	---	---	PASS
	BBP	---	---	---	PASS
	DEHP	---	---	---	PASS
	DIBP	---	---	---	PASS
16#	Pb	BL	---	---	PASS
	Cd	BL	---	---	PASS



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Part No.	Restricted Substances	Results of EDXRF(1)	Screening Result of PHTH(2).	Result of Wet Chemical Testing(3) (mg/kg)	Conclusion On EU RoHS
	Hg	BL	---	---	PASS
	Cr(VI)	BL	---	---	PASS
	PBBs	---	---	---	PASS
	PBDEs	---	---	---	PASS
	DBP	---	---	---	PASS
	BBP	---	---	---	PASS
	DEHP	---	---	---	PASS
	DIBP	---	---	---	PASS
17#	Pb	BL	---	---	PASS
	Cd	BL	---	---	PASS
	Hg	BL	---	---	PASS
	Cr(VI)	BL	---	---	PASS
	PBBs	IN	---	ND	PASS
	PBDEs	IN	---	ND	PASS
	DBP	---	---	---	PASS
	BBP	---	---	---	PASS
	DEHP	---	---	---	PASS
	DIBP	---	---	---	PASS
18#	Pb	BL	---	---	PASS
	Cd	BL	---	---	PASS
	Hg	BL	---	---	PASS
	Cr(VI)	BL	---	---	PASS
	PBBs	BL	---	---	PASS
	PBDEs	BL	---	---	PASS
	DBP	---	---	---	PASS
	BBP	---	---	---	PASS
	DEHP	---	---	---	PASS
	DIBP	---	---	---	PASS
19#	Pb	BL	---	---	PASS
	Cd	BL	---	---	PASS
	Hg	BL	---	---	PASS
	Cr(VI)	IN	---	ND	PASS
	PBBs	---	---	---	PASS
	PBDEs	---	---	---	PASS
	DBP	---	---	---	PASS
	BBP	---	---	---	PASS
	DEHP	---	---	---	PASS
	DIBP	---	---	---	PASS



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Part No.	Restricted Substances	Results of EDXRF(1)	Screening Result of PHTH(2).	Result of Wet Chemical Testing(3) (mg/kg)	Conclusion On EU RoHS
20#	Pb	BL	---	---	PASS
	Cd	BL	---	---	PASS
	Hg	BL	---	---	PASS
	Cr(VI)	BL	---	---	PASS
	PBBs	BL	---	---	PASS
	PBDEs	BL	---	---	PASS
	DBP	---	BL	---	PASS
	BBP	---	BL	---	PASS
	DEHP	---	BL	---	PASS
	DIBP	---	BL	---	PASS
21#	Pb	BL	---	---	PASS
	Cd	BL	---	---	PASS
	Hg	BL	---	---	PASS
	Cr(VI)	BL	---	---	PASS
	PBBs	IN	---	ND	PASS
	PBDEs	IN	---	ND	PASS
	DBP	---	---	ND	PASS
	BBP	---	---	ND	PASS
	DEHP	---	---	ND	PASS
	DIBP	---	---	ND	PASS
22#	Pb	BL	---	---	PASS
	Cd	BL	---	---	PASS
	Hg	BL	---	---	PASS
	Cr(VI)	IN	---	ND	PASS
	PBBs	BL	---	---	PASS
	PBDEs	---	---	---	PASS
	DBP	---	---	---	PASS
	BBP	---	---	---	PASS
	DEHP	---	---	---	PASS
	DIBP	---	---	---	PASS
23#	Pb	BL	---	---	PASS
	Cd	BL	---	---	PASS
	Hg	BL	---	---	PASS
	Cr(VI)	BL	---	---	PASS
	PBBs	BL	---	---	PASS
	PBDEs	BL	---	---	PASS
	DBP	---	BL	---	PASS
	BBP	---	BL	---	PASS



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Part No.	Restricted Substances	Results of EDXRF(1)	Screening Result of PHTH(2).	Result of Wet Chemical Testing(3) (mg/kg)	Conclusion On EU RoHS
	DEHP	---	BL	---	PASS
	DIBP	---	BL	---	PASS
24#	Pb	BL	---	---	PASS
	Cd	BL	---	---	PASS
	Hg	BL	---	---	PASS
	Cr(VI)	BL	---	---	PASS
	PBBs	---	---	---	PASS
	PBDEs	---	---	---	PASS
	DBP	---	---	---	PASS
	BBP	---	---	---	PASS
	DEHP	---	---	---	PASS
	DIBP	---	---	---	PASS
	Pb	BL	---	---	PASS
25#	Cd	BL	---	---	PASS
	Hg	BL	---	---	PASS
	Cr(VI)	BL	---	---	PASS
	PBBs	---	---	---	PASS
	PBDEs	---	---	---	PASS
	DBP	---	---	---	PASS
	BBP	---	---	---	PASS
	DEHP	---	---	---	PASS
	DIBP	---	---	---	PASS
	Pb	BL	---	---	PASS
	Cd	BL	---	---	PASS
26#	Hg	BL	---	---	PASS
	Cr(VI)	BL	---	---	PASS
	PBBs	IN	---	ND	PASS
	PBDEs	IN	---	ND	PASS
	DBP	---	---	ND	PASS
	BBP	---	---	ND	PASS
	DEHP	---	---	ND	PASS
	DIBP	---	---	ND	PASS
	Pb	BL	---	---	PASS
	Cd	BL	---	---	PASS
	Hg	BL	---	---	PASS
27#	Cr(VI)	IN	---	ND	PASS
	PBBs	---	---	---	PASS
	PBDEs	---	---	---	PASS



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Part No.	Restricted Substances	Results of EDXRF(1)	Screening Result of PHTH(2).	Result of Wet Chemical Testing(3) (mg/kg)	Conclusion On EU RoHS
	DBP	---	---	ND	PASS
	BBP	---	---	ND	PASS
	DEHP	---	---	ND	PASS
	DIBP	---	---	ND	PASS
28#	Pb	BL	---	---	PASS
	Cd	BL	---	---	PASS
	Hg	BL	---	---	PASS
	Cr(VI)	IN	---	ND	PASS
	PBBs	---	---	---	PASS
	PBDEs	---	---	---	PASS
	DBP	---	---	---	PASS
	BBP	---	---	---	PASS
	DEHP	---	---	---	PASS
	DIBP	---	---	---	PASS



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Remark :

- (1) (a) There are the results on total Br while test items on restricted substances are PBBs and PBDEs. There 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-OES (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 IEC62321-3-1:2013 (unit: mg/kg).

Element	Polymer	Metal	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	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Br	$BL \leq (300-3\sigma) < X$	--	$BL \leq (250-3\sigma) < X$
Cr	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X$	$BL \leq (500-3\sigma) < X$

(c) BL = Below Limit, OL = Over Limit, IN = Inconclusive, LOD = Limit of Detection, -- = Not regulated.

(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) 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
DBP	$BL \leq 600 < X$
BBP	$BL \leq 600 < X$
DEHP	$BL \leq 600 < X$
DIBP	$BL \leq 600 < X$

- (3) (a) mg/kg = 0.0001%, MDL=Method detection Limit, ND = Not Detected (<MDL), --- = Not conducted,
- = Without BOM.

(b) Unit and MDL in wet chemical test

Test Item	Pb	Cd	Hg	DBP	BBP	DEHP	DIBP
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
MDL	10	10	10	100	100	100	100



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The MDL for single compound of PBBs and PBDEs is 100 mg/kg,
MDL of Cr(VI) for polymer, composite and leather sample is 10 mg/kg,
MDL of Cr(VI) for metal sample is 0.10 µg/cm².

(c) ▼ =Metal sample

- a. The sample is positive for CrVI if the CrVI concentration is greater than 0.13 µg/cm². The sample coating is considered to contain CrVI
- b. The sample is negative for CrVI if CrVI is ND (concentration less than 0.10 µg/cm²). The coating is considered a non-CrVI based coating
- c. The result between 0.10 µg/cm² and 0.13 µg/cm² is considered to be inconclusive
- unavoidable coating variations may influence the determination

Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

IEC 62321 series is equivalent to EN 62321 series

<http://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25>

(4) According to the declaration from applicant, the materials of other parts in Models "A180, A60, A30" are the same as those in Model "A120", and the results of Model "A120" for support the results of other parts in Models "A180, A60, A30". The applicant will take the responsibility of all discrepancy and risk.



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Test Material List

The following materials apply only to the samples submitted for chemical testing

Material No.	Description	Location
1#	Top cover	noumenon
2#	Base cover	noumenon
3#	Left side board	noumenon
4#	Right side board	noumenon
5#	Foot mat	noumenon
6#	Fixup pole	noumenon
7#	Paster	noumenon
8#	PCB	noumenon
9#	IC	noumenon
10#	Diode	noumenon
11#	Audion	noumenon
12#	Chip audion	noumenon
13#	Chip resistance	noumenon
14#	Chip capacitance	noumenon
15#	Electrolyse capacitance	noumenon
16#	Ceramic capacitance	noumenon
17#	Color loop resistance	noumenon
18#	Z-diode	noumenon
19#	Inductance	noumenon
20#	Buzzer	noumenon
21#	DC Jack	noumenon
22#	Disply screen	noumenon
23#	Soldering tin	noumenon
24#	XH Neilsbed	noumenon
25#	Mother seat	noumenon
26#	Touch switch	noumenon
27#	Copper pole	noumenon
28#	Rank pin	noumenon



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Sample photo:



LTS authenticate the photo on original report only

*** End of Report ***