Test Report

Applicant: Jiangmen Qichen Lighting Co., Ltd.
Address: 2nd Floor, Building 1, Modern Industrial Park, No.152 Linjiang Road, Jiangmen, Guangdong, China

Manufacturer: Jiangmen Qichen Lighting Co., Ltd.
Address: 2nd Floor, Building 1, Modern Industrial Park, No.152 Linjiang Road, Jiangmen, Guangdong, China

Sample Name: LED SOLAR LIGHT

Model No: QC-WL001-10

Trade Mark:/

Test period: 2026-09-03 to2026-09-18

Test requested: RoHS Directive 2011/65/EU Annex II and its amendment Directive EU 2015/863. EN IEC 63000:2018 Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

Test Method: IEC 62321-7-2:2017method: Regulated Substances Content of test process with Electrical & Electronic Products

(1)With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES.
(2)With reference to IEC 62321-5:2013, determination of Lead by ICP-OES.
(3)With reference to IEC 62321-4:2017, determination of Mercury by ICP-OES.
(4)With reference to IEC 62321-7-2:2017, determination of Hexavalent Chromium by Colorimetric Method using UV-Vis and/or with reference to IEC 62321-5:2013, determination of Chromium by ICP-OES.
(5)With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS.
(6)With reference to IEC 62321-8:2017, determination of phthalates by GC-MS.

Written by: Alex Lin Approved by:

Zhongshan AOCE Testing Technology Co., Ltd.
5/F, Building A, No.5 Jingdi Road, Henglan, Zhongshan, Guangdong, China.

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Model No: QC-WL001-20, QC-WL001-30, QC-WL001-40, QC-WL001-50, QC-SL002-100W, QC-SL002-200W, QC-SL002-300W, QC-SL002-400W, QC-SL002-500W, QC-SL50S, QC-SL100S, QC-SL200S, QC-SL300S, QC-SL400S, QC-SL500S, QC-FL100S, QC-FL200S, QC-FL300S, QC-FL400S, QC-FL500S

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Test Results:

Part No.	Part Name	Restricted Substances	Unit	Results	Reference report No.
1	PVC cable	Cd	mg/kg	N.D.	SHAEC1605827859
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr^{6+}	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	
		DBP	mg/kg	N.D.	
		BBP	mg/kg	N.D.	
		DEHP	mg/kg	N.D.	
		DIBP	mg/kg	N.D.	
2	Internal wire	Cd	mg/kg	N.D.	CTT180411324CN
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr^{6+}	mg/kg	N.D.	
3	LED cover	Cd	mg/kg	N.D.	CANEC1701631613
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr^{6+}	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	
		DBP	mg/kg	N.D.	
		BBP	mg/kg	N.D.	
		DEHP	mg/kg	N.D.	
		DIBP	mg/kg	N.D.	
4	Metal Shell	Cd	mg/kg	N.D.	CANML1705993104
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr^{6+}	mg/kg	N.D.	
5	LED chip	Cd	mg/kg	N.D.	SHAEC1605827859
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr^{6+}	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	
		DBP	mg/kg	N.D.	

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		BBP	mg/kg	N.D.	
		DEHP	mg/kg	N.D.	
		DIBP	mg/kg	N.D.	
6	**PCB**	Cd	mg/kg	N.D.	SHAEC1500491006
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr^{6+}	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	
		DBP	mg/kg	N.D.	
		BBP	mg/kg	N.D.	
		DEHP	mg/kg	N.D.	
		DIBP	mg/kg	N.D.	
7	**Resistor**	Cd	mg/kg	N.D.	CE/2017/22827
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr^{6+}	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	
		DBP	mg/kg	N.D.	
		BBP	mg/kg	N.D.	
		DEHP	mg/kg	N.D.	
		DIBP	mg/kg	N.D.	
8	**Capacitor**	Cd	mg/kg	N.D.	SCL03I005928001C
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr^{6+}	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	
		DBP	mg/kg	N.D.	
		BBP	mg/kg	N.D.	
		DEHP	mg/kg	N.D.	
		DIBP	mg/kg	N.D.	

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ROHS Requirement

Restricted substances	MDL	Limits
Lead(Pb)	5	0.1%(1000 ppm)
Cadmium(Cd)	5	0.01%(100 ppm)
Chromium(VI)(Cr6+)	5	0.1%(1000 ppm)
Mercury(Hg)	5	0.1%(1000 ppm)
Polybrominated biphenyls(PBBs)	5	0.1%(1000 ppm)
Polybrominated diphenyl ethers(PBDEs)	5	0.1%(1000 ppm)
Dibutyl Phthalate (DBP)	5	0.1%(1000 ppm)
Benzylbutyl Phthalate (BBP)	5	0.1%(1000 ppm)
Bis-(2-ethylhexyl) Phthalate (DEHP).	5	0.1%(1000 ppm)
Diiso butyl Phthalate (DIBP)	5	0.1%(1000 ppm)

Note:

_mg/kg=ppm=0.0001%

-MDL=Method Detection Limit

-N.D. =not detected (<MDL)

-Photo is included

-Test results are from other testing organizations. Zhongshan AOCE Testing Technology Co., Ltd. has no liability to assume the verification of the authenticity of the above test reports results.

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Photographs of Sample:

Photo 1 Overall view for model QC-WL001-10

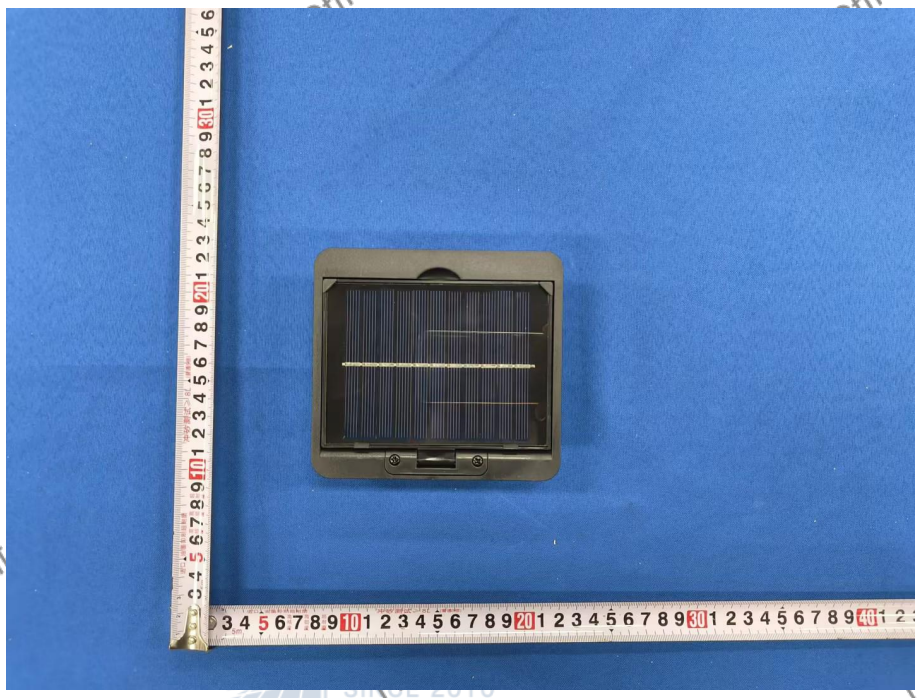
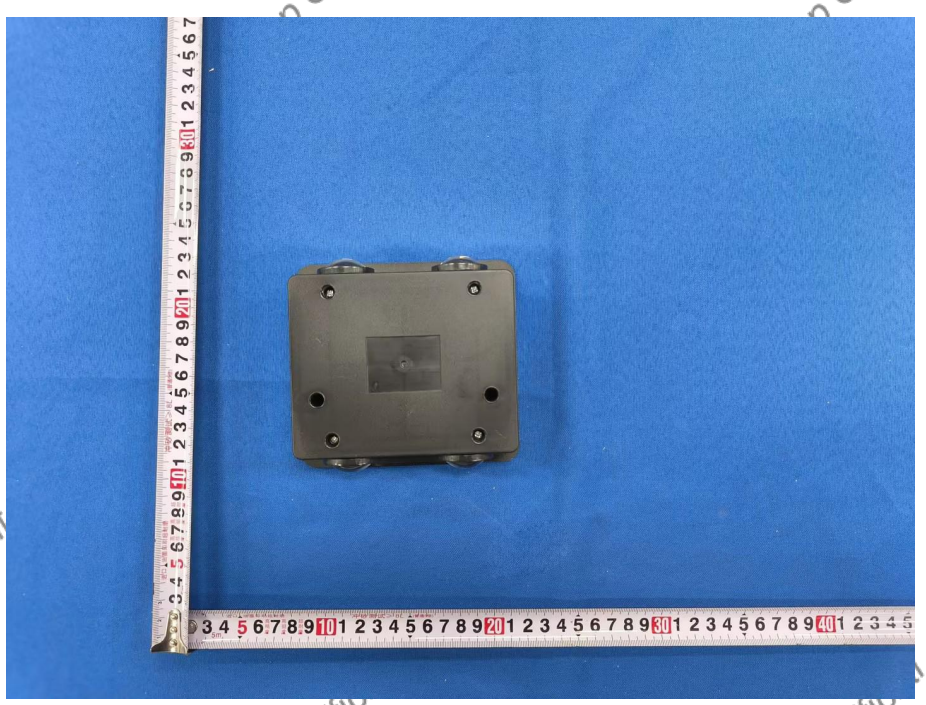


Photo 1 Overall view for model QC-WL001-10



THE END

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STATEMENT

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

If you have any objection to this report, please submit it to the test unit within 15 days from the date of receipt of the report.

Test Laboratory: Zhongshan AOCE Testing Technology Co., Ltd.

Address: 5/F, Building A, No.5 Jingdi Road, Henglan, Zhongshan, Guangdong, China.

TEL: +86-760-87553128

URL: www.aoce-lab.com

E-Mail: guanlilin@aoce-lab.com

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