

TEST REPORT

LAB NO. : DATE : PAGE •

(6622)195-1022 July 15, 2022 1 OF 43

Applicant:

ANHUI ERA SOLAR TECHNOLOGY CO., LTD.

NO.7, ZHENYE ROAD, GUANGDE ECONOMIC DEVELOPMENT ZONE, XUANCHENG, ANHUI, P.R.CHINA

Date of Submission: 2021-12-10 Test Period: 2021-12-10 to 2021-12-22 Sample Mode: Sample Presentation BV EE Ref. No.: BYPT-ESH-Q22051001-A0

Sample Description:	Sample(s) received is(are) stated to be: SOLAR LIGHT					
Manufacturer:	/	Buyer:	/			
Style No(s):	2322012	PO No.:	/			
Country of Origin:	/	Country of Destination:	Oversea Country			

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION
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	PASS
Amendments (EU) 2015/863	

The below results are transferred from (6621)344-0500 dated December 22, 2021.

REMARK

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

General enquiry and invoicing

Technical enquiry

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BUREAU VERITAS CONSUMER PRODUCTS SERVICES DIVISION (SHANGHAI)

Laboratory Test Location: No.368, Guangzhong Road, Zhuanqiao Town, Minhang, Shanghai No.168, Guanghua Road, Zhuanqiao Town, Minhang, Shanghai

PREPARED BY :

Jason

Connie Ye Analytical Technical Specialist



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This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/ and is intended for your exclusive use. Any copying or replication of this report to of for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute you unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents. rned by, and incorporates by reference, the Conditi



LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	2 OF 43

Photo of the Submitted Sample





LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	3 OF 43

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 (EU) 2015/863

Test Method : See Appendix.

See A	See Analytes and their corresponding Maximum Allowable Limit in Appendix											
	_		Result									
	Parameter			Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs & PBDEs	DBP	BBP	DEHP	DIBP	Conclusion
	Unit	•	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-
Test Item	Description	Location	-	-	-	-	-	-				-
		•			主	测						
1	Silvery metal		ND	ND	ND	Negative*	NA	NA	NA	NA	NA	PASS
2	Black coating	-	ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
3	Silvery metal screw		ND	ND	ND	Negative*	NA	NA	NA	NA	NA	PASS
4	Black plastic	Housing	ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
5	Black plastic	nousing	ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
6	Silvery metal with black plating	-	2.36x 10 ³ *	6.77*	ND	ND	NA	NA	NA	NA	NA	EX#
7	Transparent glass		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
8	Translucent plastic		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
9	Black plastic with silvery coating	Inside	ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
10	White plastic		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
11	Silvery metal screw with black plating		ND	ND	ND	Negative*	NA	NA	NA	NA	NA	PASS
12	Black plastic		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
13	Black glue		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
14	Silvery metal solder		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
15	Green plastic		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
16	Silvery metal	Battery	ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
17	Transparent plastic	box	ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
18	Transparent glue		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
19	Black plastic		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
20	Silvery metal		ND	ND	ND	Negative*	NA	NA	NA	NA	NA	PASS
21	Silvery metal	-	ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
22	Silvery metal spring		ND	ND	ND	Negative*	NA	NA	NA	NA	NA	PASS
23	Silvery metal solder	_	ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
24	Red plastic wire jacket	_	ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
25	Black EC		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
26	Black magnet	1	ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
27	Yellow LED	РСВ	ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
28	Brown chip capacitor		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
29	Black EC		ND	ND	ND	ND	ND*	ND*	ND*	ND*	ND*	PASS
30	White PCB		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
31	Black plastic wire jacket		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
32	Coppery meta wire		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS



LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	4 OF 43

	- Result											
	Parameter			Lead (Pb)Cadmium (Cd)Mercury (Hg)Chromium VI (Cr VI)PBBs & PBDEsDBPBH						DEHP	DIBP	Conclusion
	Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-
Test Item	Description	Location	-	-	-	-	-	-				-
					差	异						
33	Green plastic		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
34	Silvery metal solder		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
35	Silvery metal	Parts	ND	ND	ND	Negative*	NA	NA	NA	NA	NA	PASS
36	Transparent plastic		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
37	Transparent plastic		<500	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS

Note / Key :

ND = Not detected NR = Not requested Detection Limit: See Appendix. ">" = Greater than "<" = Less than mg/kg = milligram(s) per kilogram = ppm = part(s) per million NA = Not applicable EX= Exempted

Remark :

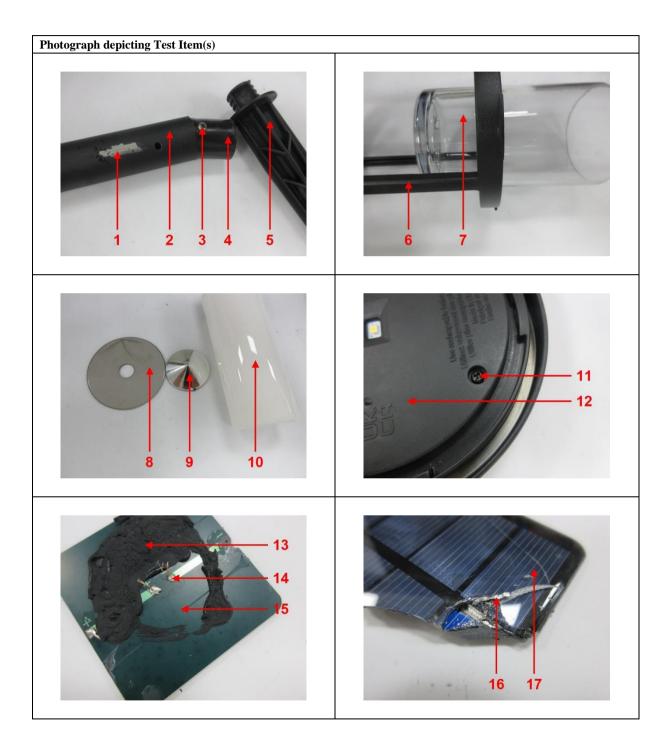
- The testing approach is listed in table of Appendix.
- * denotes as reported result(s) was (were) performed by wet chemistry method. Others were screened by XRF. For XRF screening, the result(s) of Cr VI was (were) reported as total chromium and the result(s) of PBBs and PBDEs was (were) reported as total bromine. Also, the XRF result(s) may be different to the actual content based on various factors including, but not limit to, sample size, thickness, area, non-uniformity composition, surface flatness.
- Only selected example(s) is (are) indicated on the photograph(s) in Comment.
- According to European Parliament and Council Directive 2011/65/EU, Article 5 "Adaptation of the Annexes to scientific and technical progress", exemption(s) should be granted to the materials and components of Test Item(s) in the lists in Annexes III and IV of this directive.

- For item 6:

#According to Annex III of European Council Directive 2011/65/EU, exemptions were granted a few materials and Clause 6(b) is reiterated here "Lead as an alloying element in aluminium containing up to 0.4 % lead by weight.". Test Item(s) was (were) claimed as is by client (received as is). Therefore, this (these) Test Item(s) containing the found lead level should be exempted.

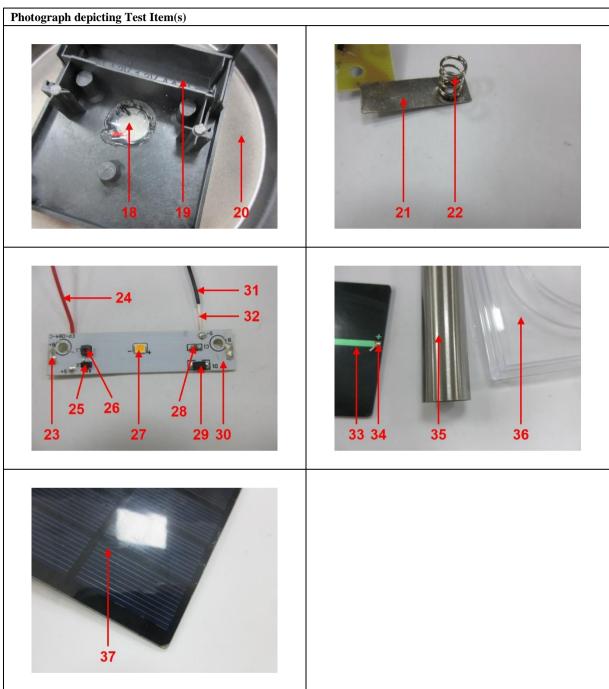


LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	5 OF 43





LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	6 OF 43



<u>END</u>



LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	7 OF 43

APPENDIX

NT.		X-ra	y fluorescence (X	RF) ^[a]		
No. Name of Analyte(Name of Analyte(s)	Plastic	Metallic / glass / ceramic	Others	Wet Chemistry	Maximum Allowable Limit (mg/kg
1	Lead (Pb)	100	200	200	10 ^[b]	1000
2	Cadmium (Cd)	50	50	50	10 ^[b]	100
3	Mercury (Hg)	100	200	200	10 ^[c]	1000
4		100	200	200	-	NA
4	Chromium (Cr)	100	200	200	NA 3 ^[g, h] / 10 ^[d] /	
5	Chromium VI (Cr VI)	NA	NA	NA	See [e, i]	1000 / Negative ^[i]
6	Bromine (Br)	200	NA	200	NA	NA
7	Polybromobiphenyls (PBBs) - Bromobiphenyl (MonoBB) - Dibromobiphenyl (DiBB) - Tribromobiphenyl (TriBB) - Tertabromobiphenyl (TertaBB) - Pentabromobiphenyl (PentaBB) - Hexabromobiphenyl (HexaBB) - Heptabromobiphenyl (HexaBB) - Octabromobiphenyl (OctaBB) - Nonabromobiphenyl (NonaBB) - Decabromobiphenyl (DecaBB)	NA	NA	NA	Each 50 ^[f]	Sum 1000
8	Polybromodiphenyl ethers (PBDEs) - Bromodiphenyl ether (MonoBDE) - Dibromodiphenyl ether (DiBDE) - Tribromodiphenyl ether (TriBDE) - Tertabromodiphenyl ether (TetraBDE) - Pentabromodiphenyl ether (PentaBDE) - Hexabromodiphenyl ether (HexaBDE) - Heptabromodiphenyl ether (HexaBDE) - Octabromodiphenyl ether (OctaBDE) - Nonabromodiphenyl ether (NonaBDE) - Decabromodiphenyl ether (DecaBDE)	NA	NA	NA	Each 50 ^[f]	Sum 1000
9	Dibutyl phthalate (DBP) Butyl benzyl phthalate (BBP) Di-2-ethylhexyl phthalate (DEHP) Diisobutyl phthalate (DIBP)	NA	NA	NA	Each 500 ^[j]	Each 1000
	NA = Not applicable IEC = International Electrot	echnical Commiss	sion		•	
[a]	Test method with reference to International Standard IE					
[b]	Test method with reference to International Standard IE					
[c] [d]	Test method with reference to International Standard IE					
[e]	Polymers and Electronics - Test method with reference Metal - Test method with reference to International Sta			1-7-2:2017.		
[f]	Test method with reference to International Standard IE					
[g]	Leather - Test method International Standard ISO 1707					
[h]	Other Than Metal, Leather, Polymers and Electronics -		reference to Inter	national Standar	1 ISO 17075· 2017	
	Result(s) of Cr VI for metallic material(s) was (were) e					Cr VI on the tested areas and the result
[i]	was (were) regarded as in compliance with European I areas and the result(s) was (were) regarded as in conflic	Parliament and Co et with European I	uncil Directive 20	11/65/EU, Artic	le 4(1). While, positiv	ve means the presence of Cr VI on test
(j)	Test method with reference to International Standard IE					
	g Approach [Compliance Test for European Parliame		irective 2011/65/	LU]:		
	ting approach was with reference to the following docume					
1	International Standards IEC 62321-1: 2013 and IEC 62					
2	"RoHS Enforcement Guidance Document Version 1" b					
3	"RoHS Regulations - Government Guidance Notes" by "Final Report to RoHS substances (Hg, Pb, Cr(VI), Co					



LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	8 OF 43

Annex

The client declared the below sample was the same material as the tested sample.

EC2355, EC11014, EC11037, EC11044, EC11045, EC11045-1, EC11046, EC11047, EC11048, EC11050, EC11052, EC11053, EC11055, EC11056, EC11058, EC11060, EC11060-3, EC11062, EC11069, EC11070, EC11085, EC11088, EC11095, EC11103-D1, EC11103-D2, EC11111, EC11115, EC11116, EC11117, EC11118, EC11119, EC11120, EC11122, EC11123, EC11124, EC11125, EC11126, EC11127, EC11128, EC11129-1, EC11129-5, EC11132, EC11135, EC11136, EC11137, EC11146, EC11149, EC14011, EC21156, EC21229, EC23133-B1, EC23435, EC41057, EC41075, EC23133-C1, EC23134, EC23134-B1, EC23134-D1, EC23137, EC23184, EC23184-D1, EC23185, EC23201, EC23204, EC23211, EC23211-1, EC23216, EC23216-B1, EC23216-C1, EC23216-D1, EC23217, EC23221, EC23230, EC23230-D1, EC23230-D2, EC23234, EC23235, EC23236, EC23241, EC23242, EC23245, EC23245-C1, EC23252, EC23262, EC23276-1, EC23280, EC23288, EC23289, EC23291-1, EC23291-2, EC23291-5, EC23291-6, EC23291-D2, EC23291-D3, EC23310, EC23311, EC23322, EC23329, EC23330, EC23331, EC23333, EC23334, EC23335, EC23336, EC23341, EC23342, EC23343, EC23344, EC23345, EC23346, EC23346-1, EC23348, EC23351, EC23352, EC23353, EC23357, EC23357-C1, EC23359, EC23366, EC23374, EC23379, EC23379-C1, EC23386, EC23387, EC25219, EC25226, EC41012, EC41013, EC41015, EC41018, EC41025, EC23347, EC23388, EC23401, EC41026, EC41028, EC41037, EC61012, EC61013, EC61015-D1, EC61015-D4, EC61015-D5, EC61015-D6, EC61016-D1, EC61016-D2, EC61017, EC61018-D1, EC61018-D2, EC61018-D3, EC61019-D1, EC61019-D2, EC41046, EC41053, EC41052, EC41051, EC41055, EC11155, EC61026-1, EC61026-2 EC23400, EC23402, EC23405, EC23403, EC23413, EC23433, EC23428, EC23423, EC41073, EC23429, EC23432, EC11153, EC11150, EC61029, EC61030, EC61013-1, EC61013-2, EC61023, EC11075, EC11157, EC11017, EC11103-2, EC23211C, EC41029, EG1001, EG1002, EG1003, EG1004, EG1005, EG1006, EG1007, EG1008, EC23451, EC23438, EC23453, EC23445, EC11165, EC11163, EC11166, EC11167, EG1009, EG1010, EG1011, EG1012, EC23452, EC23439, EC23439-1, EG1015, EG1016, EG1017, EC23404, EC32101, EC23443, EG1014, EC41059, EG1013, EG1018, EG1019, EG1020, EG1021, EG1022, EG1023, EG1024, EG1025, EG1026, EG23442, EG11168, EC23446, EC23441, EC23456, EC23440, EC23465, EC23379-C2, EC23467, EC23457, EC23449, EC23458-1, EC23459, EC11171, EC41069, EC41070, EC41071, EC41072, EC23461, EC41027, EC41028, EC41040, EC23437, EC11103-20RB, EC2306, EC61039, EC61040, EC11129-5BRONE, EC11132BRONZE, EC41049-D1, EC11151, EC11103-2, EC23418, EC23460-1, EC23443-1, EC23455, EC23436, EC23133-D1, EG1028, EG1033, EG1034. EG1032.EC11088-B1. EC11115-2. EC11187. EC11188. EC11189. EC23356. EC23356-1. EC23375. EC23389. EC23466, EC23482, EC23482-1, EC23483, EC23489, EC23490, EC23493, EC23495, EC23496, EC23496-C1, EC11190, EC23486, EC23487, EC23498, EC41089, EC41090, EC41090-C1, EC41060, EC41087 (2322013) , EC41088 (1594087) ,EC41089 (2322017), EC41091 (1605155),

1600217 (8535264), 2010500 (8541159), 8541156, EC11173 , EC11172 , EC11175 , EC11176, EC11176G, EC11176ORB



LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	9 OF 43





LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	10 OF 43





LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	11 OF 43





LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	12 OF 43



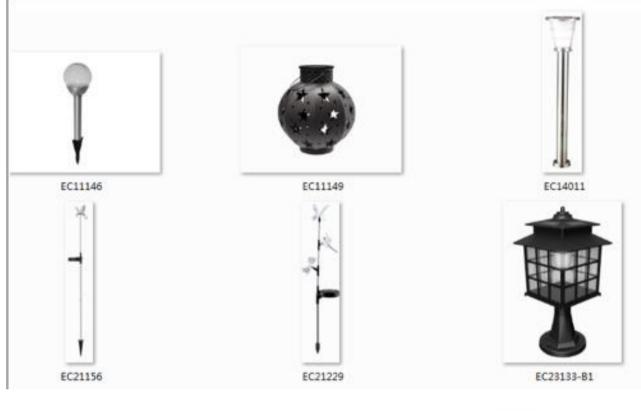


LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	13 OF 43





LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	14 OF 43







EC41057



LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	15 OF 43



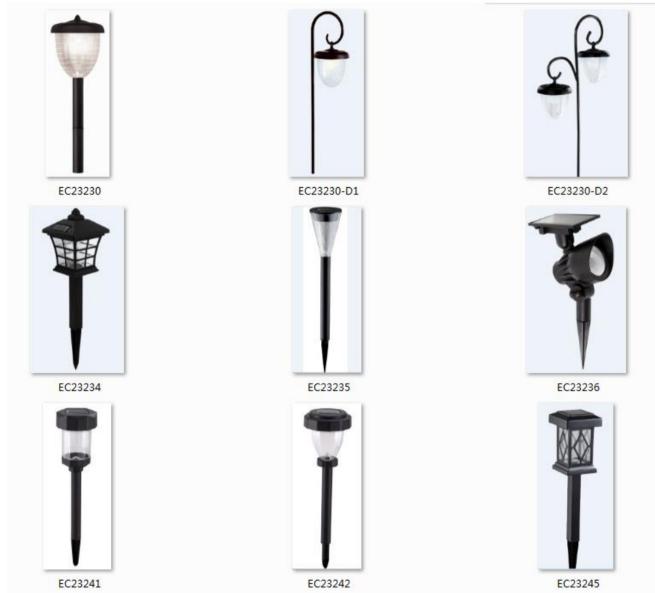


LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	16 OF 43



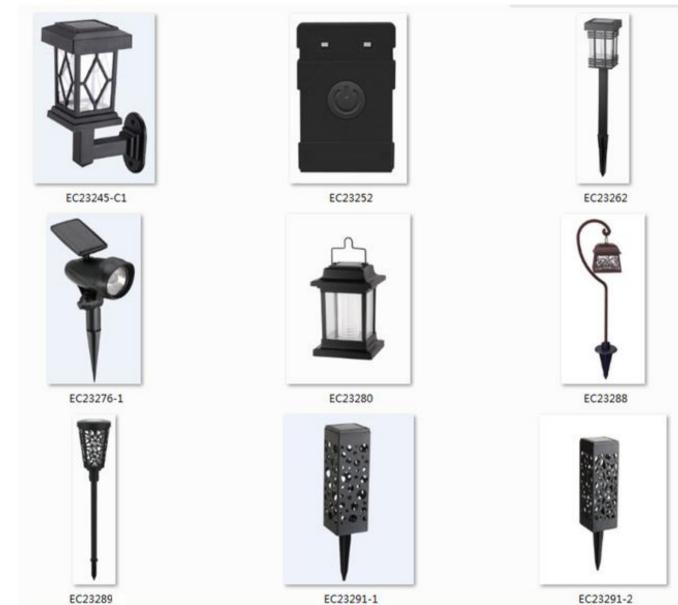


LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	17 OF 43



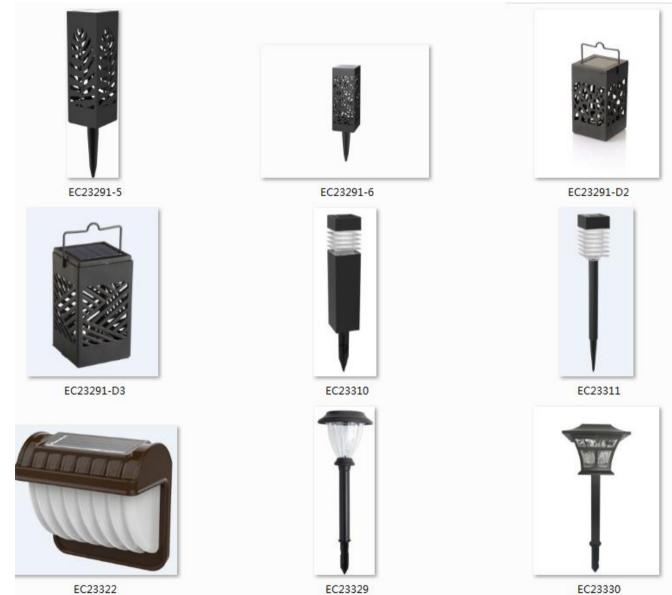


LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	18 OF 43





LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	19 OF 43





LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	20 OF 43



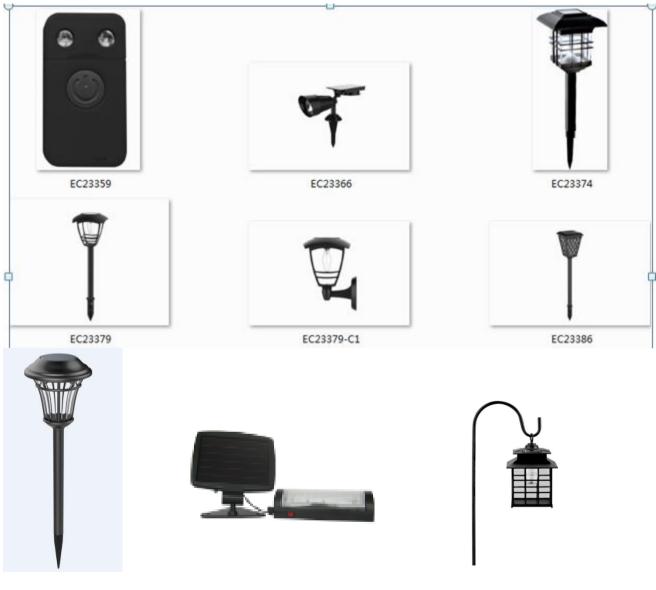


LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	21 OF 43





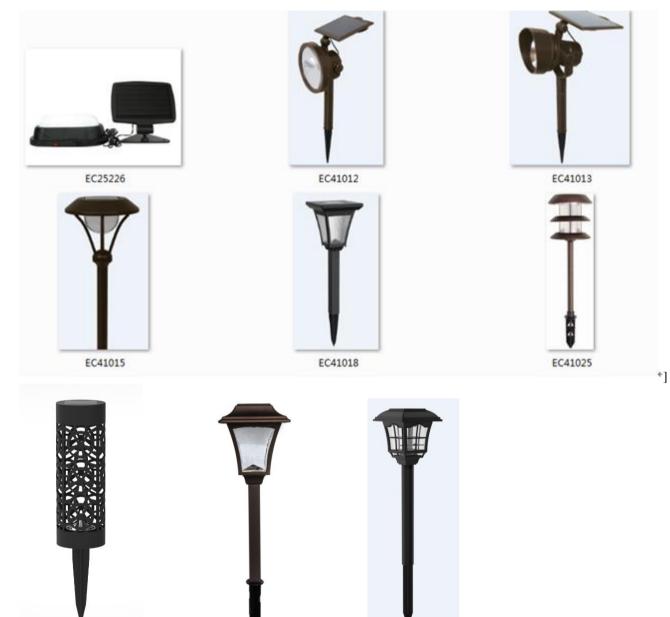
LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	22 OF 43



EC23133-D1



LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	23 OF 43



EC23388



LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	24 OF 43





LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	25 OF 43



EC61019-D1

EC61019-D2



LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	26 OF 43





EC41052

EC41055





EC41051



EC61026-1



EC61026-2



EC23400





LAB NO. : (6622)195-1022 DATE : July 15, 2022 PAGE : 27 OF 43



EC23405



EC23403



EC23413



EC23433



EC23423



EC41073



EC23428-1



EC23429



EC23432



LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	28 OF 43





EC11150

EC61029



EC61030



EC61013-1



EC61013-2



EC61023



EC11075



EC11157



LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	29 OF 43







EC11017

EC11103-2

EC23211C



EC41029



EG1002







EG1005



LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	30 OF 43







EG1006

EG1007

EG1008









EC23451

EC23453



EC23445



EC11165



LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	31 OF 43







EC11167

EG1009



EG1010



EG1012



EC23452



EC23439



EC23439-1





LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	32 OF 43







EG1016

EG1017





EC32101









LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	33 OF 43











EG1021



EG1024

EG1025



EG1026

EG1023



LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	34 OF 43





EC23441



EC23456



EC23440









EC23379-C2



EC23467



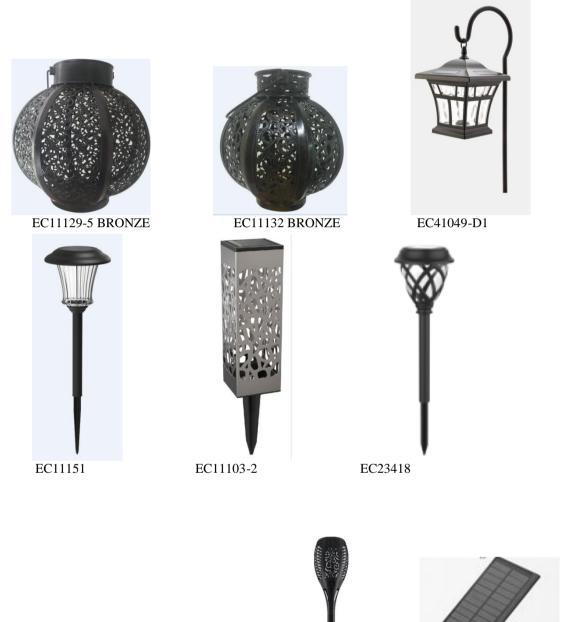


LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	36 OF 43





LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	37 OF 43









EC23460-1

EC23443-1

EC23455



LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	38 OF 43







EC23436

EG1028

EG1033







EG1034

EG1032

EC11088-B1



EC11115-2

EC11187



EC11188





LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	39 OF 43



EC11189



EC23356



EC23356-1





EC23375

EC23389



EC23482



EC23482-1





EC23483



LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	40 OF 43





EC23489

EC23490

EC23493



EC23495

EC23496



EC23496-C1







EC11190

EC23486

EC23487



1/3











EC41089

EC 41090



EC41090-C1





EC41087(2322013)





EC41

EC41089(23220



8541156





LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	42 OF 43





EC11175







EC11176

EC11176G

EC11176ORB



LAB NO.	:	(6622)195-1022
DATE	:	July 15, 2022
PAGE	:	43 OF 43

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.