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国际互认
检测
TESTING
CNAS L5772



Test Report

Report No.: PTC25060416601C-EN01

Issue Date: Jun. 24, 2025

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Applicant: Haining Shengchang electric light source technology Co., Ltd

Address: Tanqiao Industrial Park, Yuanhua Town, Haining City, Zhejiang Province

The following merchandise was (were) submitted and identified by client as:

Sample Name: LED filament lamp

Test Sample Model: A60-8W

Other Sample Model: Please refer to next page

Manufacturer: Haining Shengchang electric light source technology Co., Ltd

Address: Tanqiao Industrial Park, Yuanhua Town, Haining City, Zhejiang Province

Sample Received Date: Jun. 06, 2025

Completed Date: Jun. 10, 2025

Test Requested: As specified by client, with reference to RoHS Directive 2011/65/EU and its subsequent amendments regulation EU No.2015/863.(Lead (Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr^{6+}), PBBs and PBDEs, Phthalates (DBP, BBP,DEHP,DIBP))

Conclusion(s): According to the test results of below test parameters, the tested materials of submitted samples complied with the requirements for RoHS Directive 2011/65/EU and its subsequent amendments regulation EU No.2015/863.

Test Result(s) and Test Method(s):Please refer to next page(s).

Prepared by: Anne

Checked by:Crystal



Approved by: Miya

Anne

Crystal

Miya

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Other Sample Model:

C35-2W C35-4W C35-5W G45-2W G45-4W G45-5W A60-2W A60-4W A60-6W
A60-8W-E27(3000K) ST64-2W ST64-4W ST64-6W ST64-8W G80-2W G80-4W G80-6W
G80-8W G95-2W G95-4W G95-6W G95-8W G125-2W G125-4W G125-6W G125-8W
T45-2W T45-4W T45-6W T45-8W S14-2W S14-4W S14-5W T30-125-2W T30-125-4W
T30-125-6W T30-145-2W T30-145-4W T30-145-6W T30-185-2W T30-185-4W T30-185-6W
T30-185-8W T30-225-2W T30-225-4W T30-225-6W T30-225-8W T30-300-2W T30-300-4W
T30-300-6W T30-300-8W PS160-4W PS160-6W PS160-8W G150-4W G150-6W G150-8W
G180-4W G180-6W G180-8W G200-4W G200-6W G200-8W G250-4W G250-6W G250-8W
BT180-4W BT180-6W BT180-8W TT75-4W TT75-6W TT75-8W R160-4W R160-6W R160-8W
LS200-4W LS200-6W LS200-8W ZS125-4W ZS125-6W NG95-4W NG95-6W NG125-4W
NG125-6W BL125-4W BL125-6W BT75-8w BT75-7w BT75-6w BT75-5w BT75-4w
BIB95-8w BIB95-7w BIB95-6w BIB95-5w BIB95-4w BIB125-8w BIB125-7w BIB125-6w
BIB125-5w BIB125-4w C82407MM C82409MM

Test Result(s) and Test Method(s):Please refer to next page(s).

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Test Result(s):

1.1) RoHS Directive 2011/65/EU -(Lead (Pb)/Cadmium(Cd)/Mercury(Hg)/Hexavalent Chromium(Cr⁶⁺)/PBBs/PBDEs)

Test Method: IEC 62321-3-1: 2013, analyzed by EDXRF.

No.	Materials Description	EDXRF Result(s) (mg/kg)					Chemical Result (mg/kg)	Conclusion
		Pb	Cd	Hg	Cr	Br		
1	Transparent glass (lampshade)	BL	BL	BL	BL	BL	--	PASS
2	Yellow soft plastic (patch, tungsten wire)	BL	BL	BL	BL	BL	--	PASS
3	White ceramic (tungsten wire)	BL	BL	BL	BL	BL	--	PASS
4	Silver metal (nail)	BL	BL	BL	BL	--	--	PASS
5	Grayish-white plastic (lamp cap insulating glue)	BL	BL	BL	BL	BL	--	PASS
6	Silver metal (sleeve, lamp head)	BL	BL	BL	BL	--	--	PASS
7	Light brown solid (viscose)	BL	BL	BL	BL	BL	--	PASS
8	Transparent glass (tungsten filament support)	BL	BL	BL	BL	BL	--	PASS
9	Silver metal (wire core, tungsten wire)	BL	BL	BL	BL	--	--	PASS
10	Grayish-white plastic (conductive contact fixator)	BL	BL	BL	BL	BL	--	PASS
11	Silver metal (tungsten wire conductive sheet)	BL	BL	BL	BL	--	--	PASS
12	Silver metal (pins, capacitor)	BL	BL	BL	BL	--	--	PASS
13	Silver metal (shell, capacitor)	BL	BL	BL	BL	--	--	PASS
14	Silver-gray metal (foil, capacitor)	BL	BL	BL	BL	--	--	PASS
15	Gray-black metal (foil, capacitor)	BL	BL	BL	BL	--	--	PASS
16	Yellow plastic with black printing (sleeve, capacitor)	BL	BL	BL	BL	BL	--	PASS

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No.	Materials Description	EDXRF Result(s) (mg/kg)					Chemical Result (mg/kg)	Conclusion
		Pb	Cd	Hg	Cr	Br		
17	Brown paper with liquid (film, capacitor)	BL	BL	BL	BL	BL	--	PASS
18	White PCB(body PCB)	BL	BL	BL	BL	BL	--	PASS
19	Black body (component MB10F, body PCB)	BL	BL	BL	BL	BL	--	PASS
20	Gray body with color printing (color ring resistor, body PCB)	BL	BL	BL	BL	BL	--	PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. The result are obtained by EDXRF for primary screening, if the result exceeds the below limit (BL), and further chemical testing.
 3. For EDXRF 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.

Screening limits in mg/kg for regulated elements in various matrices

Elements	Polymer	Metal	Composite Materials
Pb	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Cd	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$LOD < X < (150+3\sigma) \leq OL$
Hg	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Cr	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X$	$BL \leq (500-3\sigma) < X$
Br	$BL \leq (300-3\sigma) < X$	--	$BL \leq (250-3\sigma) < X$

BL = Below Limit, OL = Over Limit, IN = Inconclusive, LOD = Limit of Detection

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Chemical Testing - Detection Limit & 2011/65/EU Limit:

Name of Chemicals	Method Detection Limit (mg/kg)	2011/65/EU Limit (mg/kg)
Lead (Pb)	5	1000
Cadmium (Cd)	5	100
Mercury (Hg)	5	1000
Chromium VI (Cr VI)	Non-metal: 5 Metal: Negative	Non-metal: 1000 Metal: Negative
Polybromobiphenyls (PBBs) -Bromobiphenyl (MonoBB) -Dibromobiphenyl (DiBB) -Tribromobiphenyl (TriBB) -Tetrabromobiphenyl (TetraBB) -Pentabromobiphenyl (PentaBB) -Hexabromobiphenyl (HexaBB) -Heptabromobiphenyl (HeptaBB) -Octabromobiphenyl (OctaBB) -Nonabromobiphenyl (NonaBB) -Decabromobiphenyl (DecaBB)	Each 5	Sum: 1 000
Polybromodiphenyl ethers (PBDEs) -Bromodiphenyl ether (MonoBDE) -Dibromodiphenyl ether (DiBDE) -Tribromodiphenyl ether (TriBDE) -Tetrabromodiphenyl ether (TetraBDE) -Pentabromodiphenyl ether (PentaBDE) -Hexabromodiphenyl ether (HexaBDE) -Heptabromodiphenyl ether (HeptaBDE) -Octabromodiphenyl ether (OctaBDE) -Nonabromodiphenyl ether (NonaBDE) -Decabromodiphenyl ether (DecaBDE)	Each 5	Sum: 1 000

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Test Result(s):

1.2) RoHS Directive 2011/65/EU and its subsequent amendments regulation EU No.2015/863 - (Phthalates DIBP,DBP, BBP, DEHP)

Method: IEC 62321-8: 2017, analyzed by Gas Chromatograph-Mass Spectrometry (GC-MS).

Substances	DBP	BBP	DEHP	DIBP	Conclusion
CAS No.	84-74-2	85-68-7	117-81-7	84-69-5	
Limit(s) (mg/kg)	1000	1000	1000	1000	
MDL (mg/kg)	50	50	50	50	
Material No.	Result (mg/kg)				
2+5+10	N.D.	N.D.	N.D.	N.D.	PASS
17+1+3	N.D.	N.D.	N.D.	N.D.	PASS
18+7+8	N.D.	N.D.	N.D.	N.D.	PASS
16+19+20	N.D.	N.D.	N.D.	N.D.	PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< MDL).
 3. MDL = Method Detection Limit.

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Test Material List

The following materials apply only to the samples submitted for phthalates testing.

Material No.	Description (Location)
1	Transparent glass (lampshade)
2	Yellow soft plastic (patch, tungsten wire)
3	White ceramic (tungsten wire)
5	Grayish-white plastic (lamp cap insulating glue)
7	Light brown solid (viscose)
8	Transparent glass (tungsten filament support)
10	Grayish-white plastic (conductive contact fixator)
16	Yellow plastic with black printing (sleeve, capacitor)
17	Brown paper with liquid (film, capacitor)
18	White PCB(body PCB)
19	Black body (component MB10F, body PCB)
20	Gray body with color printing (color ring resistor, body PCB)

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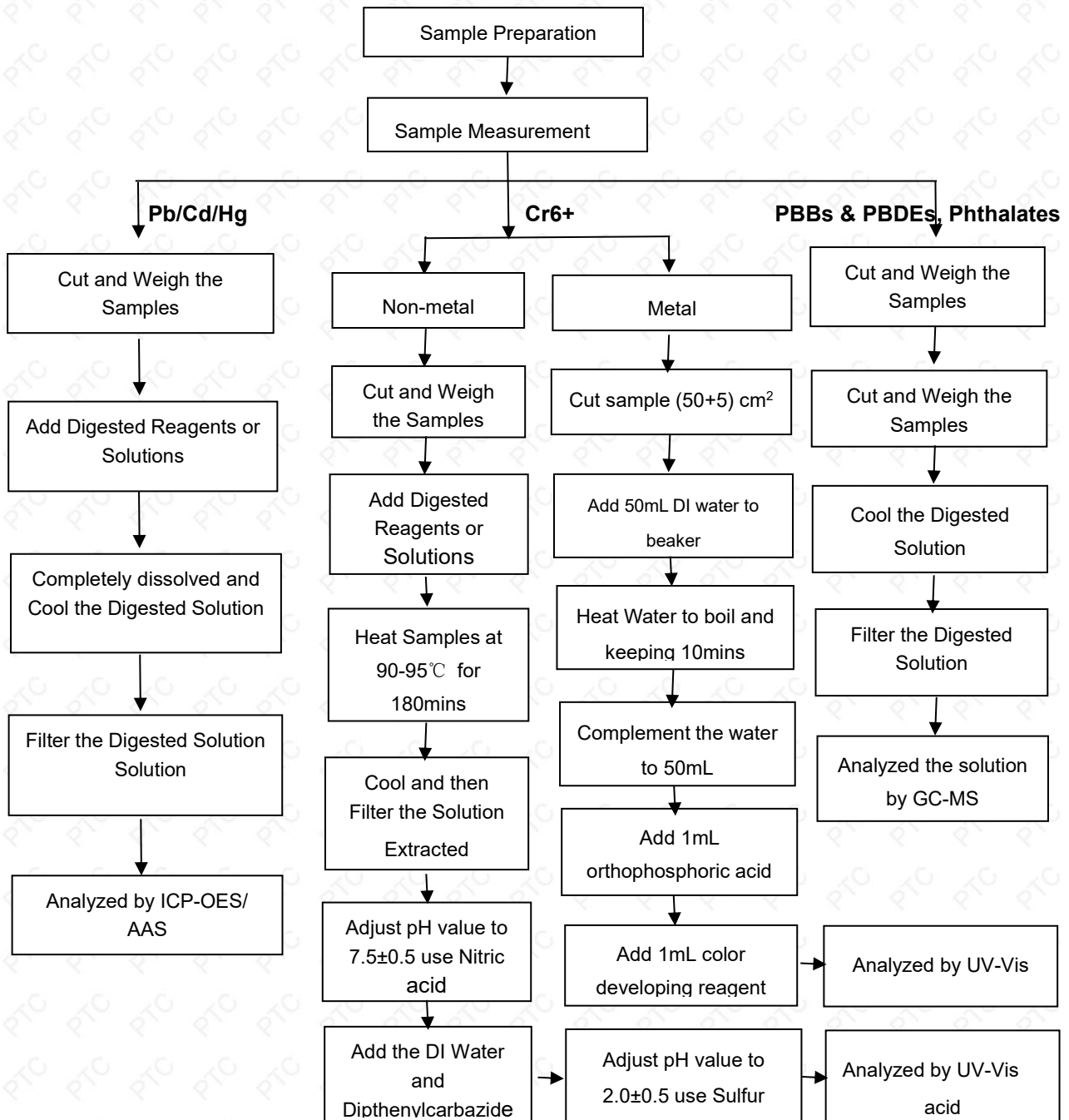
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Pb/Cd/Hg/Cr6+/PBBs/PBDEs , Phthalates Testing Flow Chart



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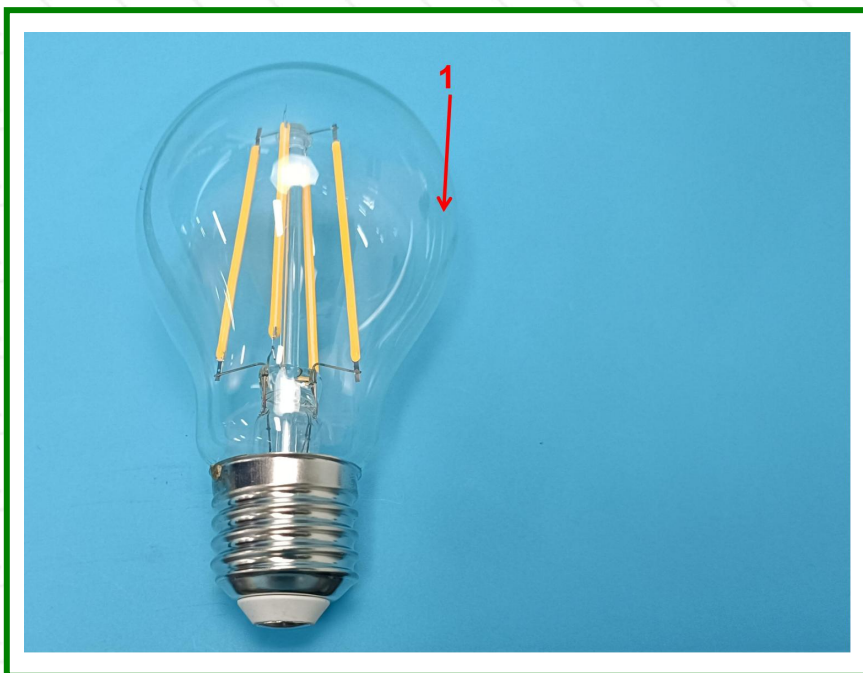
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Photo(s) of Sample:



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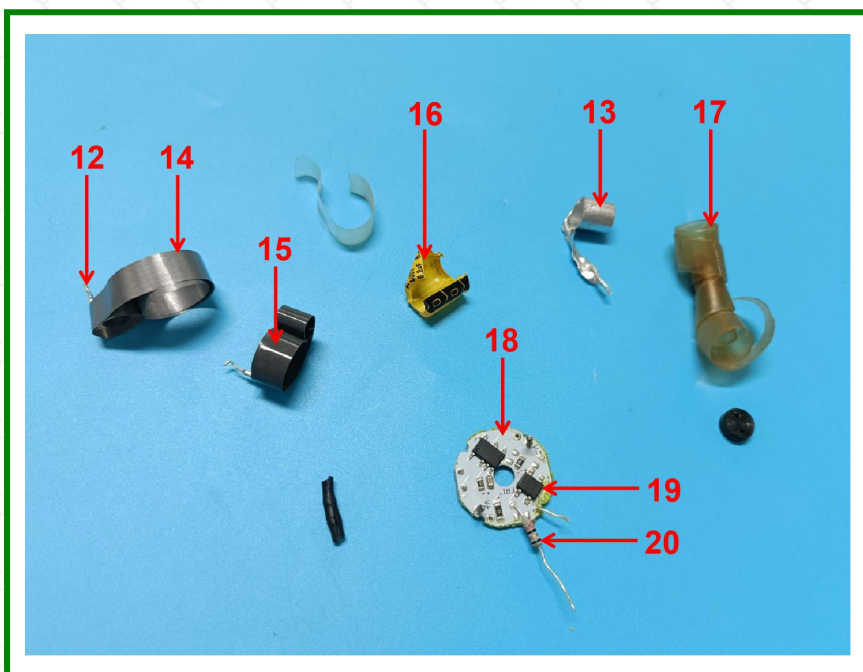
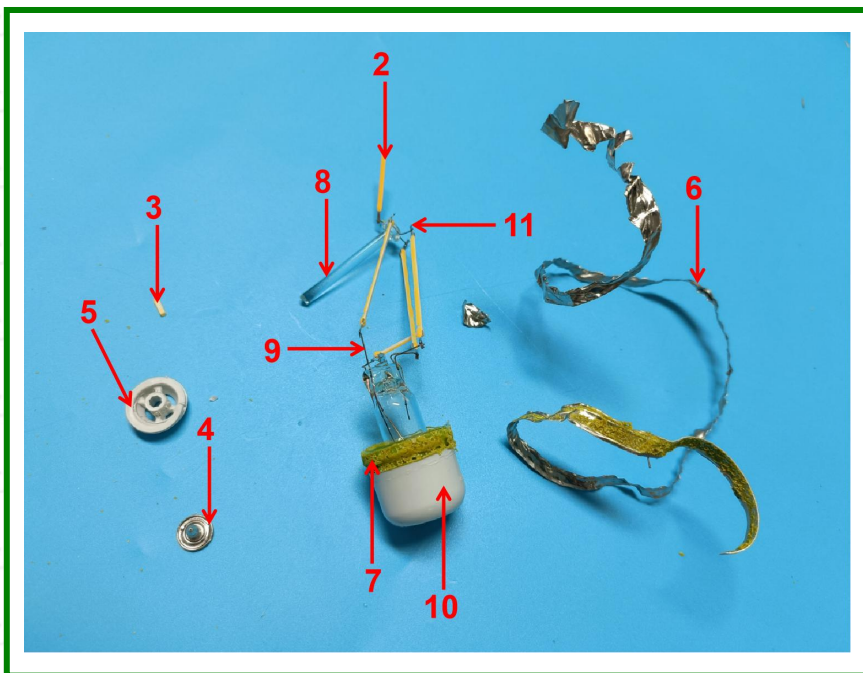
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End of Report

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Description of the PTC25060416601C-EN01 test report

Photo(s) provided by the client:



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