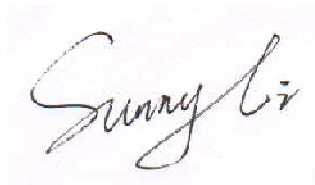




RoHS TEST REPORT LIST

Product : **LED Panel Light**
Model : **NSP-S0303, NSP-S0603, NSP-S0606, NSP-S1203, NSP-S1206,
NSP-R085, NSP-R105, NSP-R120, NSP-R125, NSP-R145,
NSP-R160, NSP-R180, NSP-R210, NSP-R240, NSP-R300**
Applicant : **NEWSTAR LED CO., LIMITED**
Address : **7/F, Block A, YuShan Industrial Park, Songbai Road, ShiYan Town,
Bao'An, ShenZhen, China, 518108**
Manufacturer : **NEWSTAR LED CO., LIMITED**
Address : **7/F, Block A, YuShan Industrial Park, Songbai Road, ShiYan Town,
Bao'An, ShenZhen, China, 518108**
Trademark : 
Report No. : CTE14IR-188R
Issue Date : September 02, 2014

Authorized by :
For Coffee-T Electronics Technology Co., Ltd.



Sunny Li
Senior Manager

Test data listed in this report are based on the reports of the separated parts submitted by applicant. Coffee-T is not responsible for the authenticity of all the test data of separated part.

The test report is valid for above tested sample only and shall not be reproduced in part without written approval of the Coffee-T Electronics Technology Co., Ltd.



Testing Required:

- 1) In accordance with the RoHS Directive 2011/65/EU Annex II.
- 2) As specified by client, to determine Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs and PBDs content in the selected materials (see remark) of submitted sample with reference to Directive 2011/65/EU of the European Parliament and of The Council of 8 June 2011 (ROHS, Previously 2002/95/EC)

Test Standards:

Testing Item	Pretreatment method	Measuring method	Report Limit
Lead (Pb)	IEC 62321, Ed1:2008	IEC62321 (ICP-OES)	2ppm
Cadmium (Cd)	IEC 62321, Ed1:2008	IEC62321 (ICP-OES)	2ppm
Mercury (Hg)	IEC 62321, Ed1:2008	IEC62321 (ICP-OES)	2ppm
Chromium (Cr ⁶⁺)	IEC 62321, Ed1:2008 Annex C	IEC62321 (UV-VIS)	0.02ppm* 2ppm
PBBs/ PBDEs	IEC 62321, Ed1:2008 Annex A	IEC62321 (GC-MS)	5ppm

Note: * 0.02ppm refers to the MQL of sample extraction liquid.

Remarks:

1. The test report is valid for above tested sample only and shall not be reproduced in part without written approval of the company.
2. Characterization & Condition of sample: Normal.
3. Ambient Condition During Testing: (15~22)°C, (50~68) % RH.

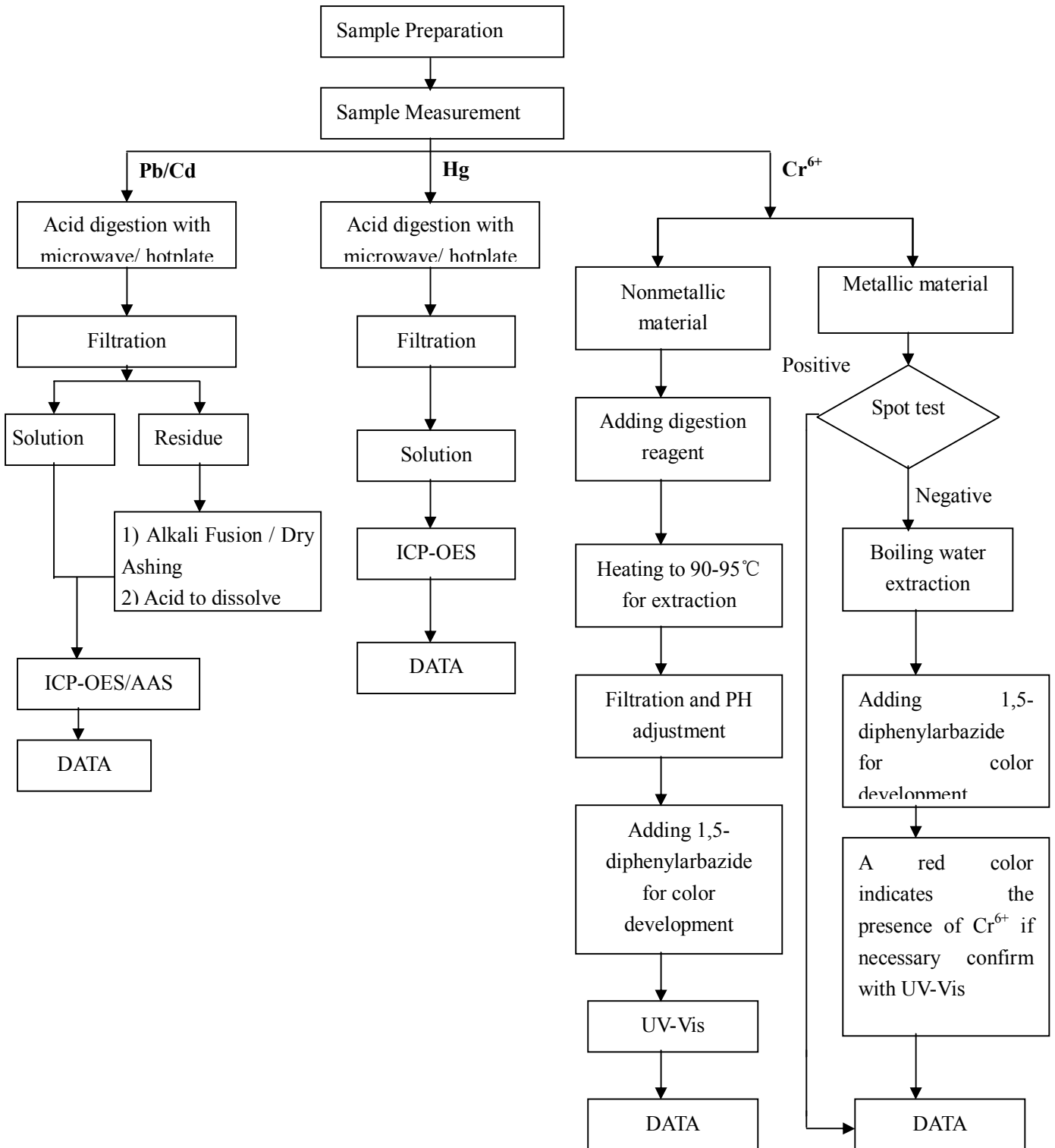
Conclusion:

Based on the performed tests on submitted sample(s), the results of Cadmium, Lead, Mercury, Hexavalent Chromium Cr(VI), PBBs and PBDEs comply with the limits as set by RoHS Directive 2011/65/EU Annex II; recasting 2002/95/EC.



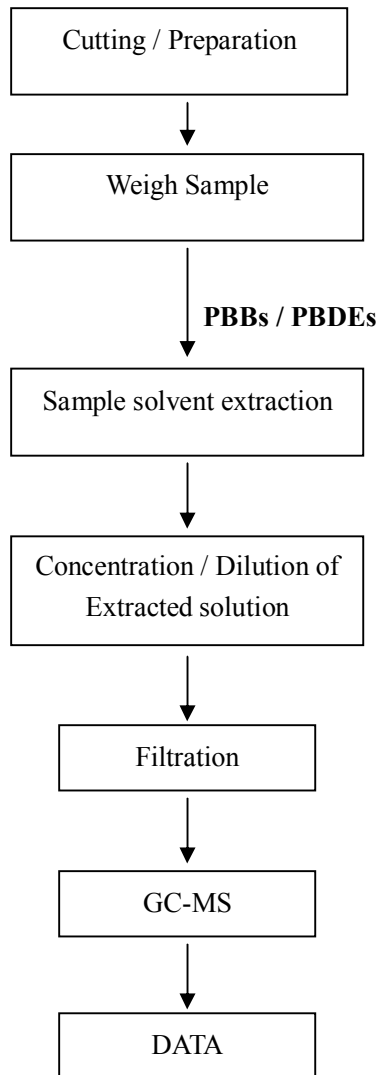
Test flow:

1. To Determine Lead/Cadmium/Mercury/ Hexavalent Chromium Content:





2. To Determine PBBs/PBDEs Content:





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No.	Parts/material name	SUPPLIER	Test company	Report No.
1	LED	SHENZHEN CHUNFA PHOTOELECTRICITY TECHNOLOGY CO.,LTD	SGS	CANEC0904548002
2	Lead free solder tin thread	SHENZHEN AIJIAFA INDUSTRIAL CO.,LTD	SGS	CANEC0901321005
3	PCB	SHENZHEN HONGMY PRECISION CIRCUIT CO.,LTD	SGS	GZ0911180185/CHEM
4	Silicone rubber wire (red)	NIZING ELECTRIC CO.,LTD	SGS	GZ0901003376/CHEM
5	Tinned round copper wire	JIANGXI COPPER GROUP (GUIXI) GUANGXIN ELECTRICIAN MATERIAL CO.,LTD	CTI	SHR09122031492001C
6	Bare copper conductor	JIANGXI COPPER GROUP (GUIXI) GUANGXIN ELECTRICIAN MATERIAL CO.,LTD	CTI	SHR09101131491001C
7	Aluminium base PCB	SHENZHEN XINGTONGBU TECHNOLOGY CO., LTD.	CTS	CTSGZ091030-01977-C
8	Aluminum radiator	DONGGUAN AODA ALUMINUM CO.,LTD.	SGS	CANEC0901519601
9	Lead-free tin wire	SHENZHEN TONGCHUANG ERA SOLDER TIN TECHNOLOGY CO.,LTD	SGS	CANEC0906247604
10	Resistor	LIZ ELECTRONICS (KUNSHAN) CO.,LTD	SGS	SH8169434-1/CHEM
11	Chip resistor	PUTIAN HUADA ELECTRONIC CO.,LTD	SGS	GZ0902011981/CHEM
12	Transistors	CHANGZHOU XINQU JIAXUN ELECTRONIC EQUIPMENT CO.,LTD	SGS	GZ0908110501/CHEM
13	Triode	JIANG XI SHANG SHENG ELECTRONIC CO.,LTD	SGS	GZ0909143823/CHEM
14	Fuse glass tube	WALTER ELECTRONIC CO.,LTD	SGS	2094767/EC
15	Dry film photoresist	ETERNAL ELECTRONIC MATERIAL (GUANG ZHOU) CO., LTD	SGS	GZ0903041198/CHEM
16	PVC plastic	SHENZHEN XINHONGTAI PLASTIC CO., LTD	SGS	CANEC0901175101
17	PB free bar tin	SHENZHEN YUDACHENG TIN CO., LTD	SGS	GZ0903050648/CHEM
18	PB free tin line	SHENZHEN YUDACHENG TIN CO., LTD	SGS	GZ0903050650/CHEM



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Test Item			Pb	Cd	Hg	Cr(VI)	PBBs	PBDEs
Unit			ppm	ppm	ppm	ppm	ppm	ppm
Method detection limit			2	2	2	2	5	5
1	LED	Transparent plastic	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
		Silvery metal pin	N.D.	N.D.	N.D.	Negative	--	--
2	Lead free solder tin thread	Silvery metal wire	62	N.D.	N.D.	Negative	N.D.	N.D.
3	PCB	Green "PCB" (mixed)	12	N.D.	N.D.	N.D.	N.D.	N.D.
4	Silicone rubber wire (red)	Red to be w/ white printing	26	9	N.D.	N.D.	N.D.	N.D.
5	Tinned round copper wire	Silvery metal wire	N.D.	N.D.	N.D.	Negative	--	--
6	Bare copper conductor	Copper metal	10	N.D.	N.D.	Negative	--	--
7	Aluminium base PCB	Aluminium base PCB (mixed)	13	N.D.	N.D.	N.D.	N.D.	N.D.
8	Aluminum radiator	Silvery metal	N.D.	N.D.	N.D.	Negative	--	--
9	Lead-free solder wire	Silvery metal wire	63	N.D.	N.D.	Negative	N.D.	N.D.
10	Resistor		N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
11	Chip resistor	With black surface layer silvery metal edge white part	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
12	Transistors	Silvery metal pin	N.D.	N.D.	N.D.	Negative	--	--
		Black solid block	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
		Silvery solid sheet	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
13	Triode	Black body w/ yellow printing (mixed)	14	N.D.	N.D.	N.D.	N.D.	N.D.
		Silvery metal pin	11	N.D.	N.D.	N.D.	--	--
14	Fuse glass tube	Transparent glass	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
15	Dry film photoresist	Blue plastic film	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
16	PVC plastic	Black plastic particle	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.



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17	PB free bar tin	Silvery metal	57	N.D.	N.D.	Negative	N.D.	N.D.
18	PB free tin line	Silvery metal line	44	N.D.	N.D.	Negative	N.D.	N.D.

- Note:
- (1) N.D.= Not detected (<MDL)
 - (2) N.C.= Not conducted (<MDL)
 - (3) MDL=Method Detection Limit
 - (4) ppm = mg/kg
 - (5) Negative = Absence of CrVI coating, Positive = Presence Of CrVI Coating;
(The tested sample should be further verified by boiling-water-extraction method if the spot result cannot be confirmed.)
 - (6) "--" = Not applicable
 - (7) "<" = Less than
 - (8) Test company: SGS = SGS group
CTI = CTI group
CTS = CTS group

Appearance Photo of Sample

EUT - View



EUT -View

