



**CENTRE OF TESTING SERVICE  
INTERNATIONAL**

**OPERATE ACCORDING TO ISO/IEC 17025**

# **TEST REPORT**

**RoHS 2002/95/EC**

**Test Report Number : CGZ3110131-00291-C-R1**



**CTS (Guangzhou) Testing Service Technology Co., Ltd.**

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The measurement results only apply to the submitted samples.  
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### 1 General Information

#### 1.1 Application Details

Name : Svetel LLC  
Address : Engelsa Ave, 27, Saint-Petersburg, Russia, 194156  
Contact : Katya Usvyattseva  
Telephone : +7812-7021451  
Fax : +7812-7030597  
Mobile telephone : /  
Email : ku@svetled.org

#### 1.2 Description of the Test Item

Sample name : LED  
Model No. : SVL03-P1-FX-XX-A010  
Brand name : SVETLED  
Condition of sample(s) : EFFECTIVE

#### 1.3 Directive

##### **2002/95/EC**

Restriction of the use of certain hazardous substances in electrical and electronic equipment  
27 January 2003

*in connection with:*

##### **2002/96/EC**

*Waste electrical and electronic equipment*  
27 January 2003

##### **2005/618/EC**

Establishing the maximum concentration values for certain hazardous substances in electrical and electronic equipment  
18 August 2005

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## 2 Test results

### 2.1 Sample Receiving Date

Feb. 1, 2011

### 2.2 Testing Period

Feb. 1, 2011 to Feb. 14, 2011

### 2.3 Test Requested

As specified by applicant, to determine the Lead, Cadmium, Mercury, Hexavalent Chromium and PBBs & PBDEs content in the submitted sample in accordance with Directive 2002/95/EC (RoHS).

### 2.4 Test Method

X-Ray Fluorescence Spectrometry method in reference to IEC 62321: 2008.

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### 2.5 Conclusion

When tested as specified, the submitted sample complied with the requirement of commission Decision of 18 Aug 2005 amending Directive 2002/95/EC notified under document 2005/618/EC.

### 2.6 Test results of all parts by EDXRF

No.	Sample Description	Results				
		Pb	Cd	Hg	Cr	Br
1	Yellow soft plastic	P	P	P	P	P
2	White plastic base	P	P	P	P	P
3	Silvery core	P	P	P	P	/
4	Silvery pin	P	P	P	P	/

Note : P = Below Limit (Pass)  
 X = Inconclusive  
 1mg/kg=1ppm=0.0001%

#### Remarks:

(1) Results are obtained by EDXRF for primary screening, and further chemical testing is recommended to be performed, if the concentration exceeds the below warning value according to IEC 62321: 2008.

Element	Polymer Materials	Metallic Materials	Electronic Materials
Pb	$P \leq 500 < X < 1300 \leq F$	$P \leq 500 < X < 1300 \leq F$	$P \leq 500 < X < 1300 \leq F$
Cd	$P \leq 50 < X < 130 \leq F$	$P \leq 50 < X < 130 \leq F$	$X < 130 \leq F$
Hg	$P \leq 500 < X < 1300 \leq F$	$P \leq 500 < X < 1300 \leq F$	$P \leq 500 < X < 1300 \leq F$
Cr	$P \leq 700 < X$	$P \leq 700 < X$	$P \leq 500 < X$
Br	$P \leq 250 < X$	/	$P \leq 250 < X$

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- (2) The XRF screening test for RoHS elements – The reading may be different to the actual content in the sample be of non-uniformity composition.
- (3) The test results only apply to the materials requested by applicant.
- (4) The report is amended from the report CGZ3110131-00291-C.  
The report CGZ3110131-00291-C become invalid.

Written by:

*Mili*

Inspected by:

*Annie*

Approved by:

*hyt*

\*\*\*End of Report\*\*\*



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### 3 Sample Reference Photo



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