

RoHS

Determination of Hazardous Substances TEST REPORT

Report No. : MTI100203002RR

Applicant : SunsignLED Opto-electronics Co., Ltd

Address : Yinxing Business Building, Xixiang Road,
Bao'an District, Shenzhen, P.R.China.

Products : LED Module

Model/P.O NO. : SSL-3528-TM2W, SSL-3528-TM3W, SSL-3528-M3W,
SSL-3528-M4W, SSL-5050-M2W, SSL-5050-M3W,
SSL-5050-SM3W, SSL-5050-SM4W, SSL-5050-RM3W

Brand Name : SunsignLED

Country of Destination : Europe

Overall Comment: The total Lead, Cadmium, Mercury, Hexavalent Chromium, Polybrominated Biphenyls and Polybrominated Diphenylethers in the submitted samples comply with the requirement of RoHS Directive 2002/95/EC, and its amendment directives.

Issue Date : Feb. 03, 2010

Signed for and on behalf of
MTI Technologies Laboratory Ltd



Fengna, Senior Manager



The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated. This Test Report is issued by the company subject to its General Conditions of service printed overleaf. This Test Report shall not be reproduced except in full, without written approval of the company.

Prepared By:

MTI Technology Laboratory Ltd

10F, Yinxing Business Hotel, Xixiang Road, Bao'an District, Shenzhen, P.R.China.

CONSOLIDATED TEST DATA REPORT

NUMBER: MTI100203002RR

DATA CONCLUSION:

Lead (Pb)
 Cadmium (Cd)
 Mercury (Hg)
 Hexavalent Chromium (Cr6+)
 Polybrominated Biphenyls (PBBS)
 Polybrominated Diphenylethers (PBDES)

| No. | Parts / material name | Test Sample | Test Company | Report No.& Test Time | Test Data (ppm) |
|-----|---|--------------------------|--------------|---------------------------------|---|
| 01 | White plastic | Enclosure | SGS | SH8138342/CHEM 2008-09-25 | Cd:N.D. Pb:N.D. Hg:N.D. Cr ⁶⁺ :N.D. PBBS:N.D. PBDES:N.D. |
| 02 | PCB | 112B044L | SGS | CANEC0900385501 2009-02-16 | Cd:N.D. Pb:17 Hg:N.D. Cr ⁶⁺ :N.D. PBBS: N.D. PBDES:N.D. |
| 03 | Silvery metal wire | Lead-free solder wire | SGS | CANEC0801321006 2008-04-03 | Cd:N.D. Pb:62 Hg:N.D. Cr ⁶⁺ :N.D. |
| 04 | White /black /silver thick film chip resistor | Thick film chip resistor | SGS | KA/2008/C1428 2009-01-05 | Cd:N.D. Pb:115 Hg:N.D. Cr ⁶⁺ :N.D. PBBS:N.D. PBDES:N.D. |
| 05 | Black ink | Ink | SGS | GZ0904029392/CHEM 2009-04-15 | Cd:N.D. Pb:N.D. Hg:N.D. Cr ⁶⁺ :N.D. |
| 06 | Lamp-LED | Transparent body | SGS | CANEC0802259002 2008-05-15 | Cd:N.D. Pb:N.D. Hg:N.D. Cr ⁶⁺ :N.D. PBBS: N.D. PBDES:N.D. |
| | | Silvery metal pin | | | Cd:N.D. Pb:N.D. Hg:N.D. Cr ⁶⁺ :N.D. |

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| No. | Parts / material name | Test Sample | Test Comp any | Report No.& Test Time | Test Data (ppm) |
|-----|-----------------------|-----------------------------------|---------------|---------------------------------|---|
| 07 | Silver gray paste | Silver gray paste | SGS | KA/2008/10254A-01 2008-03-18 | Cd:N.D. Pb:N.D. Hg:N.D. Cr ⁶⁺ :N.D. PBBS: N.D. PBDES:N.D. |
| 08 | Electronic Wire | White Jacket w/ Black Printing | SGS | CANEC0902544201 2009-05-19 | Cd:N.D. Pb:N.D. Hg:N.D. Cr ⁶⁺ :N.D. PBBS: N.D. PBDES:N.D. |
| | | Gray Jacket w/ Black Printing | | | Cd:N.D. Pb:N.D. Hg:N.D. Cr ⁶⁺ :N.D. PBBS: N.D. PBDES:N.D. |
| | | Silvery Plated Metal Wire | | | Cd:N.D. Pb:13 Hg:N.D. Cr ⁶⁺ :N.D. |
| 09 | Cover | Green bottom | SGS | GZ0905029390/CHEM 2009-05-05 | Cd:N.D. Pb:N.D. Hg:N.D. Cr ⁶⁺ :N.D. PBBS: N.D. PBDES:N.D. |

Note:

- (1) N.D.= Not detected (<MDL)
- (2) MDL=Method Detection Limit
- (3) ppm = mg/kg
- (4) "-" = Not applicable
- (5) "<" = less than
- (6) Negative = Absence of CrVI coating (The test sample should be further verified by boiling-water-extraction method if the spot test result is negative or cannot be confirmed.

CONSOLIDATED TEST DATA REPORT

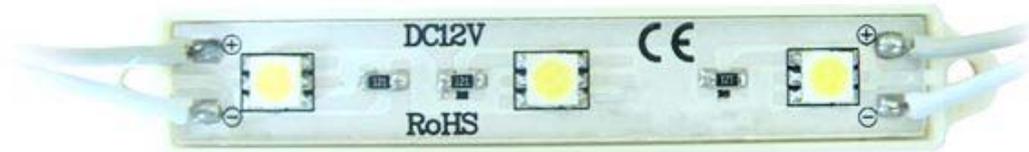
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PRODUCT PHOTOGRAPHS



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