



Survey Report

LIGHT COUNTRY CO., LTD.
10-1, NO. 102, SEC. 3, CHUNG SHAN RD., CHUNG HO
CITY, TAIPEI HSIEN, TAIWAN, R. O. C.

Report No : CS/2006/80406
Date : 2006/09/04
Page : 1 of 8



The following sample(s) was/were submitted and identified by/on behalf of the client as :

Sample Description : R19 SERIER ROCKER SWITC LIT

=====
Test Result(s) : - Please see the next page(s) -

This report is combined with 8 copies of test reports which hereby certified by SGS through the verification of each above certification provided by client.


Daniel Yeh, M.R. / Operation Manager
Signed for and on behalf of
SGS TAIWAN LTD.

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 Date : 2006/09/04
 Page : 2 of 8



Test Result(s)

PART NAME NO.1 : WHITE PLASTIC GRAINS(GZ0607116679/CHEM)(HOUSIN)
 PART NAME NO.2 : TRANSPARENT PLASTIC PELLETS(CE/2005/A4305)(ROCKER)
 PART NAME NO.3 : BLACK PLASTIC GRAINS + WHITE PLASTIC GRAINS + LT. GRAY PLASTIC GRAINS(GZ0602018394/CHEM)(HOUSIN+ROCKER)
 PART NAME NO.4 : COPPER COLORED METAL(CE/2006/56182)(MOVABLE ARM)
 PART NAME NO.5 : GOLDEN METAL SHEET(GZ0605072953/CHEM)(TERMINAL A, B)
 PART NAME NO.6 : SILVERY METAL WIRE(GZ0603039607/CHEM)(CONTAC)
 PART NAME NO.7 : GREEN BODY(MIXED)(GZSCR0601009216/LP NO.1)
 PART NAME NO.8 : SILVERY METAL PIN(GZSCR0601009216/LP NO.2)
 PART NAME NO.9 : MIXED ALL PARTS(NEON LAMP + RESISTOR)(CE/2006/48989)
 PART NAME NO.10 : MIXED ALL PARTS(4ψ*10mm, 5ψ*12.5mm, 5ψ*16mm, 6ψ*12.5mm, 6ψ*16mm, 6ψ*18mm, 6ψ*21mm GREEN FLUORESCENT LAMP)(CE/2006/55948)
 PART NAME NO.11 : MIXED ALL PARTS(4ψ*10mm, 5ψ*12.5mm, 5ψ*16mm, 6ψ*12.5mm, 6ψ*16mm, 6ψ*18mm, 6ψ*21mm BLUE FLUORESCENT LAMP)(CE/2006/55947)
 PART NAME NO.12 : BODY(CE/2005/B1488 NO.1)
 PART NAME NO.13 : SILVER COLORED METAL PIN(CE/2005/B1488 NO.2)
 PART NAME NO.14 : TRANSPARENT GLASS(SZHJ052596 NO.A)(ITS)
 PART NAME NO.15 : COPPER COLOR METAL WIRE WITH TUNGSTEN FILAMENT(SZHJ052596 NO.B)(ITS)
 PART NAME NO.16 : SILVER COLORED METAL SILLK(GZ0605077402/CHEM)
 PART NAME NO.17 : SILVER-WHITE METAL TERMINAL(SZTYR060305149/LP)(PLATED, MOVABLE ARM)

| Test Item(s): | Unit | Method | MDL | Result | | | | |
|---|------|---|--------|--------|------|------|------|------|
| | | | | NO.1 | NO.2 | NO.3 | NO.4 | NO.5 |
| Monobromobiphenyl | % | With reference to USEPA3540C or USEPA3550C. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC) | 0.0005 | N.D. | N.D. | N.D. | --- | --- |
| Dibromobiphenyl | % | | 0.0005 | N.D. | N.D. | N.D. | --- | --- |
| Tribromobiphenyl | % | | 0.0005 | N.D. | N.D. | N.D. | --- | --- |
| Tetrabromobiphenyl | % | | 0.0005 | N.D. | N.D. | N.D. | --- | --- |
| Pentabromobiphenyl | % | | 0.0005 | N.D. | N.D. | N.D. | --- | --- |
| Hexabromobiphenyl | % | | 0.0005 | N.D. | N.D. | N.D. | --- | --- |
| Heptabromobiphenyl | % | | 0.0005 | N.D. | N.D. | N.D. | --- | --- |
| Octabromobiphenyl | % | | 0.0005 | N.D. | N.D. | N.D. | --- | --- |
| Nonabromobiphenyl | % | | 0.0005 | N.D. | N.D. | N.D. | --- | --- |
| Decabromobiphenyl | % | | 0.0005 | N.D. | N.D. | N.D. | --- | --- |
| Total PBBs (Polybrominated biphenyls)/Sum of above | % | | - | N.D. | N.D. | N.D. | --- | --- |

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Report No : CS/2006/80406

Date : 2006/09/04

Page : 3 of 8



| Test Item(s): | Unit | Method | MDL | Result | | | | |
|---|------|---|--------|--------|------|------|------|------|
| | | | | NO.1 | NO.2 | NO.3 | NO.4 | NO.5 |
| Monobromobiphenyl ether | % | With reference to USEPA3540C or USEPA3550C. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC) | 0.0005 | N.D. | N.D. | N.D. | --- | --- |
| Dibromobiphenyl ether | % | | 0.0005 | N.D. | N.D. | N.D. | --- | --- |
| Tribromobiphenyl ether | % | | 0.0005 | N.D. | N.D. | N.D. | --- | --- |
| Tetrabromobiphenyl ether | % | | 0.0005 | N.D. | N.D. | N.D. | --- | --- |
| Pentabromobiphenyl ether | % | | 0.0005 | N.D. | N.D. | N.D. | --- | --- |
| Hexabromobiphenyl ether | % | | 0.0005 | N.D. | N.D. | N.D. | --- | --- |
| Heptabromobiphenyl ether | % | | 0.0005 | N.D. | N.D. | N.D. | --- | --- |
| Octabromobiphenyl ether | % | | 0.0005 | N.D. | N.D. | N.D. | --- | --- |
| Nonabromobiphenyl ether | % | | 0.0005 | N.D. | N.D. | N.D. | --- | --- |
| Decabromobiphenyl ether | % | | 0.0005 | N.D. | N.D. | N.D. | --- | --- |
| Total PBBEs(PBDEs) (Polybrominated biphenyl ethers)/Sum of above | % | | - | N.D. | N.D. | N.D. | --- | --- |
| Total of Mono to Nona-brominated biphenyl ether. (Note 4) | % | | - | N.D. | N.D. | N.D. | --- | --- |

| Test Item(s): | Unit | Method | MDL | Result | | | | |
|--------------------|------|--|-----|--------|------|------|------|-------|
| | | | | NO.1 | NO.2 | NO.3 | NO.4 | NO.5 |
| Chromium VI (Cr+6) | ppm | UV-VIS(US EPA 7196A) after reference to US EPA 3060A. | 2 | N.D. | N.D. | N.D. | N.D. | N.D. |
| Cadmium (Cd) | ppm | ICP-AES after reference to EN 1122, method B:2001 or other acid digestion. | 2 | N.D. | N.D. | N.D. | N.D. | N.D. |
| Mercury (Hg) | ppm | ICP-AES after reference to US EPA 3052 or other acid digestion. | 2 | N.D. | N.D. | N.D. | N.D. | N.D. |
| Lead (Pb) | ppm | ICP-AES after reference to US EPA 3050B or other acid digestion. | 2 | N.D. | N.D. | 17.0 | 7.4 | 114.0 |

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Report No : CS/2006/80406

Date : 2006/09/04

Page : 4 of 8



| Test Item(s): | Unit | Method | MDL | Result | | | | |
|---|------|---|---|--------|------|------|------|-------|
| | | | | NO.6 | NO.7 | NO.8 | NO.9 | NO.10 |
| Monobromobiphenyl | % | With reference to USEPA3540C or USEPA3550C. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC) | 0.0005 | --- | N.D. | --- | N.D. | N.D. |
| Dibromobiphenyl | % | | 0.0005 | --- | N.D. | --- | N.D. | N.D. |
| Tribromobiphenyl | % | | 0.0005 | --- | N.D. | --- | N.D. | N.D. |
| Tetrabromobiphenyl | % | | 0.0005 | --- | N.D. | --- | N.D. | N.D. |
| Pentabromobiphenyl | % | | 0.0005 | --- | N.D. | --- | N.D. | N.D. |
| Hexabromobiphenyl | % | | 0.0005 | --- | N.D. | --- | N.D. | N.D. |
| Heptabromobiphenyl | % | | 0.0005 | --- | N.D. | --- | N.D. | N.D. |
| Octabromobiphenyl | % | | 0.0005 | --- | N.D. | --- | N.D. | N.D. |
| Nonabromobiphenyl | % | | 0.0005 | --- | N.D. | --- | N.D. | N.D. |
| Decabromobiphenyl | % | | 0.0005 | --- | N.D. | --- | N.D. | N.D. |
| Total PBBs (Polybrominated biphenyls)/Sum of above | % | | - | --- | N.D. | --- | N.D. | N.D. |
| Monobromobiphenyl ether | % | | With reference to USEPA3540C or USEPA3550C. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC) | 0.0005 | --- | N.D. | --- | N.D. |
| Dibromobiphenyl ether | % | 0.0005 | | --- | N.D. | --- | N.D. | N.D. |
| Tribromobiphenyl ether | % | 0.0005 | | --- | N.D. | --- | N.D. | N.D. |
| Tetrabromobiphenyl ether | % | 0.0005 | | --- | N.D. | --- | N.D. | N.D. |
| Pentabromobiphenyl ether | % | 0.0005 | | --- | N.D. | --- | N.D. | N.D. |
| Hexabromobiphenyl ether | % | 0.0005 | | --- | N.D. | --- | N.D. | N.D. |
| Heptabromobiphenyl ether | % | 0.0005 | | --- | N.D. | --- | N.D. | N.D. |
| Octabromobiphenyl ether | % | 0.0005 | | --- | N.D. | --- | N.D. | N.D. |
| Nonabromobiphenyl ether | % | 0.0005 | | --- | N.D. | --- | N.D. | N.D. |
| Decabromobiphenyl ether | % | 0.0005 | | --- | N.D. | --- | N.D. | N.D. |
| Total PBBEs(PBDEs) (Polybrominated biphenyl ethers)/Sum of above | % | - | | --- | N.D. | --- | N.D. | N.D. |
| Total of Mono to Nona-brominated biphenyl ether. (Note 4) | % | - | | --- | N.D. | --- | N.D. | N.D. |

| Test Item(s): | Unit | Method | MDL | Result | | | | |
|--------------------|------|--|-----|--------|------|------|------|-------|
| | | | | NO.6 | NO.7 | NO.8 | NO.9 | NO.10 |
| Chromium VI (Cr+6) | ppm | UV-VIS(US EPA 7196A) after reference to US EPA 3060A. | 2 | --- | N.D. | N.D. | N.D. | N.D. |
| Cadmium (Cd) | ppm | ICP-AES after reference to EN 1122, method B:2001 or other acid digestion. | 2 | N.D. | N.D. | N.D. | N.D. | N.D. |
| Mercury (Hg) | ppm | ICP-AES after reference to US EPA 3052 or other acid digestion. | 2 | N.D. | N.D. | N.D. | N.D. | N.D. |
| Lead (Pb) | ppm | ICP-AES after reference to US EPA 3050B or other acid digestion. | 2 | N.D. | N.D. | 3.0 | N.D. | 24.0 |

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Report No : CS/2006/80406

Date : 2006/09/04

Page : 5 of 8



| Test Item(s): | Unit | Method | MDL | Result | | | | |
|--------------------|------|--|---|----------|------|------|------|-------|
| | | | | NO.6 | NO.7 | NO.8 | NO.9 | NO.10 |
| Chromium VI (Cr+6) | ** | With reference to IEC 62321 Ed. 1 (111/54/CDV; Section 8 method.) Analysis was performed by UV-VIS | 0.02mg /kg with 50 cm ² surface area | Negative | --- | --- | --- | --- |

| Test Item(s): | Unit | Method | MDL | Result | | | | |
|---|------|---|--------|--------|-------|-------|-------|-------|
| | | | | NO.11 | NO.12 | NO.13 | NO.14 | NO.15 |
| Monobromobiphenyl | % | With reference to USEPA3540C or USEPA3550C. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC) | 0.0005 | N.D. | N.D. | --- | N.D. | --- |
| Dibromobiphenyl | % | | 0.0005 | N.D. | N.D. | --- | N.D. | --- |
| Tribromobiphenyl | % | | 0.0005 | N.D. | N.D. | --- | N.D. | --- |
| Tetrabromobiphenyl | % | | 0.0005 | N.D. | N.D. | --- | N.D. | --- |
| Pentabromobiphenyl | % | | 0.0005 | N.D. | N.D. | --- | N.D. | --- |
| Hexabromobiphenyl | % | | 0.0005 | N.D. | N.D. | --- | N.D. | --- |
| Heptabromobiphenyl | % | | 0.0005 | N.D. | N.D. | --- | N.D. | --- |
| Octabromobiphenyl | % | | 0.0005 | N.D. | N.D. | --- | N.D. | --- |
| Nonabromobiphenyl | % | | 0.0005 | N.D. | N.D. | --- | N.D. | --- |
| Decabromobiphenyl | % | | 0.0005 | N.D. | N.D. | --- | N.D. | --- |
| Total PBBs (Polybrominated biphenyls)/Sum of above | % | | - | N.D. | N.D. | --- | N.D. | --- |
| Monobromobiphenyl ether | % | With reference to USEPA3540C or USEPA3550C. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC) | 0.0005 | N.D. | N.D. | --- | N.D. | --- |
| Dibromobiphenyl ether | % | | 0.0005 | N.D. | N.D. | --- | N.D. | --- |
| Tribromobiphenyl ether | % | | 0.0005 | N.D. | N.D. | --- | N.D. | --- |
| Tetrabromobiphenyl ether | % | | 0.0005 | N.D. | N.D. | --- | N.D. | --- |
| Pentabromobiphenyl ether | % | | 0.0005 | N.D. | N.D. | --- | N.D. | --- |
| Hexabromobiphenyl ether | % | | 0.0005 | N.D. | N.D. | --- | N.D. | --- |
| Heptabromobiphenyl ether | % | | 0.0005 | N.D. | N.D. | --- | N.D. | --- |
| Octabromobiphenyl ether | % | | 0.0005 | N.D. | N.D. | --- | N.D. | --- |
| Nonabromobiphenyl ether | % | | 0.0005 | N.D. | N.D. | --- | N.D. | --- |
| Decabromobiphenyl ether | % | | 0.0005 | N.D. | N.D. | --- | N.D. | --- |
| Total PBBEs(PBDEs) (Polybrominated biphenyl ethers)/Sum of above | % | | - | N.D. | N.D. | --- | N.D. | --- |
| Total of Mono to Nona-brominated biphenyl ether. (Note 4) | % | - | N.D. | N.D. | --- | N.D. | --- | |

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Report No : CS/2006/80406

Date : 2006/09/04

Page : 6 of 8



| Test Item(s): | Unit | Method | MDL | Result | | | | |
|--------------------|------|--|-----|--------|-------|-------|-------|-------|
| | | | | NO.11 | NO.12 | NO.13 | NO.14 | NO.15 |
| Chromium VI (Cr+6) | ppm | UV-VIS(US EPA 7196A) after reference to US EPA 3060A. | 2 | N.D. | N.D. | N.D. | N.D. | N.D. |
| Cadmium (Cd) | ppm | ICP-AES after reference to EN 1122, method B:2001 or other acid digestion. | 2 | N.D. | N.D. | N.D. | N.D. | N.D. |
| Mercury (Hg) | ppm | ICP-AES after reference to US EPA 3052 or other acid digestion. | 2 | N.D. | N.D. | N.D. | N.D. | N.D. |
| Lead (Pb) | ppm | ICP-AES after reference to US EPA 3050B or other acid digestion. | 2 | N.D. | N.D. | 12.1 | 260.0 | N.D. |

| Test Item(s): | Unit | Method | MDL | Result | |
|---|------|---|---|--------|-------|
| | | | | NO.16 | NO.17 |
| Monobromobiphenyl | % | With reference to USEPA3540C or USEPA3550C. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC) | 0.0005 | N.D. | --- |
| Dibromobiphenyl | % | | 0.0005 | N.D. | --- |
| Tribromobiphenyl | % | | 0.0005 | N.D. | --- |
| Tetrabromobiphenyl | % | | 0.0005 | N.D. | --- |
| Pentabromobiphenyl | % | | 0.0005 | N.D. | --- |
| Hexabromobiphenyl | % | | 0.0005 | N.D. | --- |
| Heptabromobiphenyl | % | | 0.0005 | N.D. | --- |
| Octabromobiphenyl | % | | 0.0005 | N.D. | --- |
| Nonabromobiphenyl | % | | 0.0005 | N.D. | --- |
| Decabromobiphenyl | % | | 0.0005 | N.D. | --- |
| Total PBBs (Polybrominated biphenyls)/Sum of above | % | | - | N.D. | --- |
| Monobromobiphenyl ether | % | | With reference to USEPA3540C or USEPA3550C. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC) | 0.0005 | N.D. |
| Dibromobiphenyl ether | % | 0.0005 | | N.D. | --- |
| Tribromobiphenyl ether | % | 0.0005 | | N.D. | --- |
| Tetrabromobiphenyl ether | % | 0.0005 | | N.D. | --- |
| Pentabromobiphenyl ether | % | 0.0005 | | N.D. | --- |
| Hexabromobiphenyl ether | % | 0.0005 | | N.D. | --- |
| Heptabromobiphenyl ether | % | 0.0005 | | N.D. | --- |
| Octabromobiphenyl ether | % | 0.0005 | | N.D. | --- |
| Nonabromobiphenyl ether | % | 0.0005 | | N.D. | --- |
| Decabromobiphenyl ether | % | 0.0005 | | N.D. | --- |
| Total PBBEs(PBDEs) (Polybrominated biphenyl ethers)/Sum of above | % | - | | N.D. | --- |
| Total of Mono to Nonabrominated biphenyl ether. (Note 4) | % | - | | N.D. | --- |

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Report No : CS/2006/80406

Date : 2006/09/04

Page : 7 of 8



| Test Item(s): | Unit | Method | MDL | Result | |
|--------------------|------|--|-----|--------|-------|
| | | | | NO.16 | NO.17 |
| Chromium VI (Cr+6) | ppm | UV-VIS(US EPA 7196A) after reference to US EPA 3060A. | 2 | N.D. | N.D. |
| Cadmium (Cd) | ppm | ICP-AES after reference to EN 1122, method B:2001 or other acid digestion. | 2 | N.D. | N.D. |
| Mercury (Hg) | ppm | ICP-AES after reference to US EPA 3052 or other acid digestion. | 2 | N.D. | N.D. |
| Lead (Pb) | ppm | ICP-AES after reference to US EPA 3050B or other acid digestion. | 2 | 146.0 | N.D. |

- NOTE: (1) N.D. = Not Detected (<MDL)
 (2) mg/kg = ppm, 0.1% = 1000 ppm(mg/kg), 0.0005% = 5 ppm(mg/kg)
 (3) MDL = Method Detection Limit
 (4) Decabromobiphenyl ether (DecaBDE) in polymeric applications is exempted by Commission Decision of 13 Oct 2005 amending Directive 2002/95/EC notified under document 2005/717/EC.
 (5) PBBEs=PBDEs=Polybrominated Diphenyl Ethers=PBDOs=PBBOs.
 (6) " - " = Not Regulated
 (7) " --- " = Not Applicable

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Date : 2006/09/04

Page : 8 of 8



** End of Report **