

# 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/2006/90093

Date : 2006/09/13

Page : 1 of 4



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

Sample Description : R4 SERIES ROCKER SWITCHES (NON-LIT)

=====

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

\*This report is combine with reports of CS/2006/80373 & GZSCR051077920/LP &  
GZSCR051077919/LP\*

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

# 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/2006/90093

Date : 2006/09/13

Page : 2 of 4



## Test Result(s)

PART NAME NO.1 : WHITE PLASTIC GRAINS(GZ0607116679/CHEM)  
(HOUSIN, ROCKER, LED SOCKET)(BRACKER)

PART NAME NO.2 : BLACK PLASTIC GRAINS + WHITE PLASTIC GRAINS + LT. GRAY PLASTIC  
GRAINS(GZ0602018394/CHEM)(HOUSIN+ROCKER)

PART NAME NO.3 : IVORY PLASTIC PELLETS(CE/2005/96183)(ACTUATOR TIP)

PART NAME NO.4 : BROWN METAL SPRING(GZSCR051077920/LP)

PART NAME NO.5 : DK-GRAY METAL SPRING(GZSCR051077919/LP)

PART NAME NO.6 : GOLDEN METAL SHEET(GZ0605072953/CHEM)(TERMINAL B)  
(TERMINALA,DLAL BAR,MOVABLE ARM)

PART NAME NO.7 : SILVERY METAL WIRE(GZ0603039607/CHEM)(CONTAC)

PART NAME NO.8 : SILVER-WHITE METAL TERMINAL(SZTYR060305149/LP)  
(PLATED, MOVABLE ARM, LED TERMINAL)

Test Item(s):	Unit	Method	MDL	Result				
				NO.1	NO.2	NO.3	NO.4	NO.5
Monobromobiphenyl	%	With reference to USEPA3540C. 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.	---	---
<b>Total PBBs (Polybrominated biphenyls)/Sum of above</b>	%		-	N.D.	N.D.	N.D.	---	---
Monobromobiphenyl ether	%		With reference to USEPA3540C. 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.	---	---
<b>Total PBBEs(PBDEs) (Polybrominated biphenyl ethers)/Sum of above</b>	%	-		N.D.	N.D.	N.D.	---	---
<b>Total of Mono to Nonabrominated biphenyl ether. (Note 4)</b>	%	-		N.D.	N.D.	N.D.	---	---

# 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/2006/90093

Date : 2006/09/13

Page : 3 of 4



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.	17.0	19.6	N.D.	N.D.

Test Item(s):	Unit	Method	MDL	Result		
				NO.6	NO.7	NO.8
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.	N.D.
Mercury (Hg)	ppm	ICP-AES after reference to US EPA 3052 or other acid digestion.	2	N.D.	N.D.	N.D.
Lead (Pb)	ppm	ICP-AES after reference to US EPA 3050B or other acid digestion.	2	114.0	N.D.	N.D.
Chromium VI (Cr+6)	**	UV-VIS after reference to IEC 62321 Ed 1 (111/24/CD) - Section 8	0.02mg/kg with 50 cm <sup>2</sup> surface area	---	Negative	---

- NOTE: (1) N.D. = Not Detected (<MDL)  
(2) ppm = mg/kg  
(3) MDL = Method Detection Limit  
(4) Decabromodiphenyl 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 Regulation  
(7) " --- " = Not Applicable  
(8) \*\* = Qualitative analysis (No Unit)  
(9) Negative = Undetectable / Positive = Detectable

## 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/2006/90093

Date : 2006/09/13

Page : 4 of 4



\*\* End of Report \*\*