

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/2006/90108

Date : 2006/09/15

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

Sample Description : R49 SERIER ROCKER SWITCHES LIT

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

* This report is combined with reports of CS/2006/80373 & CS/2006/80406 & CS/2006/90043 *


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

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Test Result(s)

- PART NAME NO.1 : WHITE PLASTIC GRAINS(GZ0607116679/CHEM)(HOUSIN, ROCKER, BRACKET, LED SOCKET)
- PART NAME NO.2 : TRANSPARENT PLASTIC PELLETS(CE/2005/A4305)(ROCKER)
- PART NAME NO.3 : SILVERY PLATED METAL SPRING(GZSCR051077922/LP)(SPRING)
- PART NAME NO.4 : DK. GRAY METAL SPRING(GZSCR051077919/LP)(SPRING)
- PART NAME NO.5 : GOLDEN METAL SHEET(GZ0605072953/CHEM)(DLAL BAR, MOVABLE ARM, TERMINAL A.B.C)
- PART NAME NO.6 : SILVERY METAL WIRE(GZ0603039607/CHEM)(CONTAC)
- PART NAME NO.7 : SILVER-WHITE METAL TERMINAL(SZTYR060305149/LP)(PLATED,MOVABLE ARM,DLALBAR,TERMINAL A.B)
- PART NAME NO.8 : POLYMETHYL METHACRYLATE(KE/2006/10311)(WINDOW)
- PART NAME NO.9 : BODY(CE/2005/B1488 NO.1)(RESISTOR)
- PART NAME NO.10 : SILVER COLORED METAL PIN(CE/2005/B1488 NO.2)(RESISTOR)
- 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)(BLUE NEON LAMP)
- PART NAME NO.12 : 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)(GREEN NEON LAMP)
- PART NAME NO.13 : MIXED ALL PARTS(NEON LAMP + RESISTOR)(CE/2006/48989)(NEON LAMP)

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.	5.0	N.D.	114.0

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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.	---	---	---
Dibromobiphenyl	%		0.0005	N.D.	N.D.	---	---	---
Tribromobiphenyl	%		0.0005	N.D.	N.D.	---	---	---
Tetrabromobiphenyl	%		0.0005	N.D.	N.D.	---	---	---
Pentabromobiphenyl	%		0.0005	N.D.	N.D.	---	---	---
Hexabromobiphenyl	%		0.0005	N.D.	N.D.	---	---	---
Heptabromobiphenyl	%		0.0005	N.D.	N.D.	---	---	---
Octabromobiphenyl	%		0.0005	N.D.	N.D.	---	---	---
Nonabromobiphenyl	%		0.0005	N.D.	N.D.	---	---	---
Decabromobiphenyl	%		0.0005	N.D.	N.D.	---	---	---
Total PBBs (Polybrominated biphenyls)/Sum of above	%	-	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.	---	---	---
Dibromobiphenyl ether	%		0.0005	N.D.	N.D.	---	---	---
Tribromobiphenyl ether	%		0.0005	N.D.	N.D.	---	---	---
Tetrabromobiphenyl ether	%		0.0005	N.D.	N.D.	---	---	---
Pentabromobiphenyl ether	%		0.0005	N.D.	N.D.	---	---	---
Hexabromobiphenyl ether	%		0.0005	N.D.	N.D.	---	---	---
Heptabromobiphenyl ether	%		0.0005	N.D.	N.D.	---	---	---
Octabromobiphenyl ether	%		0.0005	N.D.	N.D.	---	---	---
Nonabromobiphenyl ether	%		0.0005	N.D.	N.D.	---	---	---
Decabromobiphenyl ether	%		0.0005	N.D.	N.D.	---	---	---
Total PBBEs(PBDEs) (Polybrominated biphenyl ethers)/Sum of above	%	-	N.D.	N.D.	---	---	---	
Total of Mono to Nona-brominated biphenyl ether. (Note 4)	%	-	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.
Chromium VI (Cr+6)	**	UV-VIS after reference to IEC 62321 Ed 1 (111/24/CD) - Section 9	0.02mg / kg with 50 cm ² surface area	Negative	---	---	---	---

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Test Item(s):	Unit	Method	MDL	Result				
				NO.6	NO.7	NO.8	NO.9	NO.10
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.	N.D.	N.D.	12.1

Test Item(s):	Unit	Method	MDL	Result				
				NO.6	NO.7	NO.8	NO.9	NO.10
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.	---
Dibromobiphenyl	%		0.0005	---	---	N.D.	N.D.	---
Tribromobiphenyl	%		0.0005	---	---	N.D.	N.D.	---
Tetrabromobiphenyl	%		0.0005	---	---	N.D.	N.D.	---
Pentabromobiphenyl	%		0.0005	---	---	N.D.	N.D.	---
Hexabromobiphenyl	%		0.0005	---	---	N.D.	N.D.	---
Heptabromobiphenyl	%		0.0005	---	---	N.D.	N.D.	---
Octabromobiphenyl	%		0.0005	---	---	N.D.	N.D.	---
Nonabromobiphenyl	%		0.0005	---	---	N.D.	N.D.	---
Decabromobiphenyl	%		0.0005	---	---	N.D.	N.D.	---
Total PBBs (Polybrominated biphenyls)/Sum of above	%	-	---	---	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.	---
Dibromobiphenyl ether	%		0.0005	---	---	N.D.	N.D.	---
Tribromobiphenyl ether	%		0.0005	---	---	N.D.	N.D.	---
Tetrabromobiphenyl ether	%		0.0005	---	---	N.D.	N.D.	---
Pentabromobiphenyl ether	%		0.0005	---	---	N.D.	N.D.	---
Hexabromobiphenyl ether	%		0.0005	---	---	N.D.	N.D.	---
Heptabromobiphenyl ether	%		0.0005	---	---	N.D.	N.D.	---
Octabromobiphenyl ether	%		0.0005	---	---	N.D.	N.D.	---
Nonabromobiphenyl ether	%		0.0005	---	---	N.D.	N.D.	---
Decabromobiphenyl ether	%		0.0005	---	---	N.D.	N.D.	---
Total PBBEs(PBDEs) (Polybrominated biphenyl ethers)/Sum of above	%	-	---	---	N.D.	N.D.	---	
Total of Mono to Nonabrominated biphenyl ether. (Note 4)	%	-	---	---	N.D.	N.D.	---	

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Test Item(s):	Unit	Method	MDL	Result		
				NO.11	NO.12	NO.13
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.
Total PBBs (Polybrominated biphenyls)/Sum of above	%		-	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.
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 Nonabrominated biphenyl ether. (Note 4)	%	-		N.D.	N.D.	N.D.

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Test Item(s):	Unit	Method	MDL	Result		
				NO.11	NO.12	NO.13
Chromium VI (Cr+6)	ppm	UV-VIS(US EPA 7196A) after reference to US EPA 3060A.	2	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.
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	N.D.	24.0	N.D.

- 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) * = Results shown are of the adjusted analytical results
 - (9) ** = Qualitative analysis (No Unit)
 - (10) Negative = Undetectable / Positive = Detectable

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