

TEST REPORT

NUMBER: SZHJ069568

APPLICANT: SPEED ENTERPRISE GROUP COMPANY
LIMITED
FLAT 18, 4/F, BLK.B,
HI-THCH INDUSTRIAL CENTRE,
491-501 CASTLE PEAK RD.
TSUEN WAN, NT. HONG KONG

DATE: Aug 25, 2006

ATTN: HE JIN HUI

SAMPLE DESCRIPTION:

ONE (1) SUBMITTED SAMPLE SAID TO BE 发光二极管.

TESTED COMPONENTS:

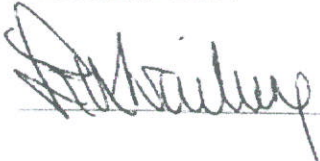
- (a) RED PLASTIC & GREEN PLASTIC & YELLOW PLASTIC.
- (b) SILVER COLOR METAL PIN WITH SOLDER.

REFERENCE NO. : 直径 Ø3mm, Ø5mm, Ø2×5mm LED.

TESTS CONDUCTED:

AS REQUESTED BY THE APPLICANT, FOR DETAILS REFER TO ATTACHED PAGE(S)

AUTHORIZED BY:
FOR INTERTEK TESTING SERVICES
SHENZHEN LTD.



BEN N.L. LIN
GENERAL MANAGER

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TESTS CONDUCTED

(A) TEST RESULT SUMMARY FOR RoHS DIRECTIVE :

TESTING ITEM	RESULT	
	(a)	(b)
CADMIUM (Cd) CONTENT (ppm)	ND (<2)	ND (<2)
LEAD (Pb) CONTENT (ppm)	ND (<2)	ND (<2)
MERCURY (Hg) CONTENT (ppm)	ND (<2)	ND (<2)
CHROMIUM (VI) (Cr ⁶⁺) CONTENT (ppm)	ND (<1)	ND (<1)
POLYBROMINATED BIPHENYLS (PBBs)		
MONOBROMOBIPHENYL (MonoBB) (ppm)	ND (<5)	ND (<5)
DIBROMOBIPHENYL (DiBB) (ppm)	ND (<5)	ND (<5)
TRIBROMOBIPHENYL (TriBB) (ppm)	ND (<5)	ND (<5)
TETRABROMOBIPHENYL (TetraBB) (ppm)	ND (<5)	ND (<5)
PENTABROMOBIPHENYL (PentaBB) (ppm)	ND (<5)	ND (<5)
HEXABROMOBIPHENYL (HexaBB) (ppm)	ND (<5)	ND (<5)
HEPTABROMOBIPHENYL (HeptaBB) (ppm)	ND (<5)	ND (<5)
OCTABROMOBIPHENYL (OctaBB) (ppm)	ND (<5)	ND (<5)
NONABROMOBIPHENYL (NonaBB) (ppm)	ND (<5)	ND (<5)
DECABROMOBIPHENYL (DecaBB) (ppm)	ND (<5)	ND (<5)
POLYBROMINATED DIPHENYL ETHERS (PBDEs)		
MONOBROMODIPHENYL ETHER (MonoBDE) (ppm)	ND (<5)	ND (<5)
DIBROMODIPHENYL ETHER (DiBDE) (ppm)	ND (<5)	ND (<5)
TRIBROMODIPHENYL ETHER (TriBDE) (ppm)	ND (<5)	ND (<5)
TETRABROMODIPHENYL ETHER (TetraBDE) (ppm)	ND (<5)	ND (<5)
PENTABROMODIPHENYL ETHER (PentaBDE) (ppm)	ND (<5)	ND (<5)
HEXABROMODIPHENYL ETHER (HexaBDE) (ppm)	ND (<5)	ND (<5)
HEPTABROMODIPHENYL ETHER (HeptaBDE) (ppm)	ND (<5)	ND (<5)
OCTABROMODIPHENYL ETHER (OctaBDE) (ppm)	ND (<5)	ND (<5)
NONABROMODIPHENYL ETHER (NonaBDE) (ppm)	ND (<5)	ND (<5)
DECABROMODIPHENYL ETHER (DecaBDE) (ppm)	ND (<5)	ND (<5)

ppm = PARTS PER MILLION

< = LESS THAN

ND = NOT DETECTED

NOTE : DECABDE IN POLYMERIC APPLICATIONS IS EXEMPTED ACCORDING TO RoHS DIRECTIVE AMENDMENT 2005/717/EC.

REMARK : AS REQUESTED BY THE APPLICANT, DIFFERENT MATERIALS OF TESTED COMPONENT (a) WERE TESTED TOGETHER.

(B) RoHS REQUIREMENT

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RESTRICTED SUBSTANCE	LIMITS
CADMIUM (Cd)	0.01% (100 ppm)
LEAD (Pb)	0.1% (1000 ppm)
MERCURY (Hg)	0.1% (1000 ppm)
CHROMIUM (VI) (Cr ⁶⁺)	0.1% (1000 ppm)
POLYBROMINATED BIPHENYLS (PBBs)	0.1% (1000 ppm)
POLYBROMINATED DIPHENYL ETHERS (PBDEs)	0.1% (1000 ppm)

THE ABOVE LIMITS WERE QUOTED FROM 2002/95/EC AND AMENDMENT 2005/618/EC FOR HOMOGENEOUS MATERIAL.

(C) TEST METHOD :

TESTING ITEM	TESTING METHOD	REPORTING LIMIT
CADMIUM (Cd) CONTENT	WITH REFERENCE TO BS EN1122/ US EPA 3050B/ US EPA3052, BY ACID DIGESTION AND DETERMINED BY ICP - OES	2 ppm
LEAD (Pb) CONTENT	WITH REFERENCE TO US EPA 3050B/ US EPA 3052, BY ACID DIGESTION AND DETERMINED BY ICP - OES	2 ppm
MERCURY (Hg) CONTENT	WITH REFERENCE TO US EPA 3052, BY ACID DIGESTION AND DETERMINED BY ICP - OES	2 ppm
CHROMIUM (VI) (Cr ⁶⁺) CONTENT	WITH REFERENCE TO US EPA 3060A & 7196A, BY ALKALINE DIGESTION AND DETERMINED BY UV - VIS SPECTROPHOTOMETER	1 ppm
POLYBROMINATED BIPHENYLS (PBB) & POLYBROMINATED DIPHENYL ETHERS (PBDE)	WITH REFERENCE TO US EPA 3540C, BY SOLVENT EXTRACTION AND DETERMINED BY GC/MS AND HPLC	5 ppm

DATE SAMPLE RECEIVED : AUG 18, 2006

TESTING PERIOD : AUG 18, 2006 TO AUG 23, 2006

END OF REPORT