



Test Report

SEP ELECTRONIC CORP.
16TH FL-4, NO. 16, JIANBA RD., CHUNG HO CITY,
TAIPEI HSIEN 235, TAIWAN

Report No. : CE/2008/85504A
Date : 2008/06/23
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The following sample(s) was/were submitted and identified by/on behalf of the client as :

Sample Description : PLASTIC MOLDED RECTIFIER

Package Type : 1206, 0603, 0805, 1005, 1006, 1607, A450, AM, AMS, AR, ARS, D2PAK, DB, DF, DIP-BRIDGE, DL-41, DPAK, GBJ4, GBJ6, GBL, GBP, GBU, HVM, KBJ4, KBJ6, KBL, KBP, KBU, MB, MELF, MICORMELF, MINI-BRIDGE, MINIMELF, P6, P600, R-1, R-3, R-6, R S, SMA, SMA-S, SMB, SMB-S, SMC, SMC-S / DO FOLLOWED BY SUFFIX 15, 201AD, 201AE, 214AA, 214AB, 214AC, 216AA, 27, 41 / ITO FOLLOWED BY SUFFIX 220, 220AB, 220AC, 3P / SC FOLLOWED BY SUFFIX 59, 61, 62, 70, 73, 74A, 75, 76, 79, 82, 88, 88A / SOD FOLLOWED BY SUFFIX 123, 123F, 123FL, 323, 323F, 523, 723 / SOT FOLLOWED BY SUFFIX 143, 223, 23, 25, 26, 323, 343, 346, 353, 363, 416, 457, 523, 89 / TO FOLLOWED BY SUFFIX 126, 126ML, 220, 220AB, 220AC, 247, 247AC, 247AD, 251, 251AB, 252, 262, 263, 3, 3P, 92

Sample Received : 2008/06/16

Testing Period : 2008/06/16 TO 2008/06/23

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

* This report is combined with reports of CE/2008/85497 & CE/2008/85500 & CE/2008/85501 & CE/2008/85503 *


 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 LIQUID(CE/2008/85504)(SILICON RUBBER)
PART NAME NO.2 : SILVER COLORED METAL(CE/2008/85503)(METAL CONTACT PIN)
PART NAME NO.3 : SILVER COLORED METAL(CE/2008/85500)SILICON CHIP
PART NAME NO.4 : SILVER COLORED METAL(CE/2008/85501)(HIGH TEMPERATURE SOLDER)
PART NAME NO.5 : BLACK PLASTIC(CE/2008/85497)(MOLDING COMPOUND)

Test Item (s):	Unit	Method	MDL	Result				
				No.1	No.2	No.3	No.4	No.5
PBBs (Polybrominated biphenyls)	---	---	---	---	---	---	---	---
Monobromobiphenyl	mg/kg (ppm)	With reference to USEPA3540C, Analysis was performed by GC/MS and screening via USEPA 3550C with HPLC/DAD/MS	5	N.D.	N.D.	N.D.	N.D.	N.D.
Dibromobiphenyl			5	N.D.	N.D.	N.D.	N.D.	N.D.
Tribromobiphenyl			5	N.D.	N.D.	N.D.	N.D.	N.D.
Tetrabromobiphenyl			5	N.D.	N.D.	N.D.	N.D.	N.D.
Pentabromobiphenyl			5	N.D.	N.D.	N.D.	N.D.	N.D.
Hexabromobiphenyl			5	N.D.	N.D.	N.D.	N.D.	N.D.
Heptabromobiphenyl			5	N.D.	N.D.	N.D.	N.D.	N.D.
Octabromobiphenyl			5	N.D.	N.D.	N.D.	N.D.	N.D.
Nonabromobiphenyl			5	N.D.	N.D.	N.D.	N.D.	N.D.
Decabromobiphenyl			5	N.D.	N.D.	N.D.	N.D.	N.D.
Total PBBs (Polybrominated biphenyls)/Sum of above			-	N.D.	N.D.	N.D.	N.D.	N.D.
PBBEs(PBDEs) (Polybrominated biphenyl ethers)			---	---	---	---	---	---
Monobromobiphenyl ether	mg/kg (ppm)	With reference to USEPA3540C, Analysis was performed by GC/MS and screening via USEPA 3550C with HPLC/DAD/MS	5	N.D.	N.D.	N.D.	N.D.	N.D.
Dibromobiphenyl ether			5	N.D.	N.D.	N.D.	N.D.	N.D.
Tribromobiphenyl ether			5	N.D.	N.D.	N.D.	N.D.	N.D.
Tetrabromobiphenyl ether			5	N.D.	N.D.	N.D.	N.D.	N.D.
Pentabromobiphenyl ether			5	N.D.	N.D.	N.D.	N.D.	N.D.
Hexabromobiphenyl ether			5	N.D.	N.D.	N.D.	N.D.	N.D.
Heptabromobiphenyl ether			5	N.D.	N.D.	N.D.	N.D.	N.D.
Octabromobiphenyl ether			5	N.D.	N.D.	N.D.	N.D.	N.D.
Nonabromobiphenyl ether			5	N.D.	N.D.	N.D.	N.D.	N.D.
Decabromobiphenyl ether			5	N.D.	N.D.	N.D.	N.D.	N.D.
Total PBBEs(PBDEs) (Polybrominated biphenyl ethers)/Sum of above			-	N.D.	N.D.	N.D.	N.D.	N.D.
Total of Mono to Nona-brominated biphenyl ether. (Note 4)			-	N.D.	N.D.	N.D.	N.D.	N.D.

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Test Item (s):	Unit	Method	MDL	Result				
				No.1	No.2	No.3	No.4	No.5
Chromium VI (Cr+6)	mg/kg (ppm)	With reference to IEC 62321 Ed. 1 (111/54/CDV; Section 9 method.) Analysis was performed by UV-VIS	2	N.D.	---	---	---	N.D.
Chromium VI (Cr+6)	mg/kg (ppm)	With referece to US EPA 3060A. Analysis was performed by UV-VIS (US EPA 7196A)	2	---	N.D.	N.D.	N.D.	---
Cadmium (Cd)	mg/kg (ppm)	With reference to EN 1122 method B:2001. Analysis was performed by ICP-AES.	2	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	mg/kg (ppm)	With reference to US EPA 3052. Analysis was performed by ICP-AES.	2	N.D.	N.D.	N.D.	N.D.	N.D.
Lead (Pb)	mg/kg (ppm)	With reference to US EPA 3050B. Analysis was performed by ICP-AES.	2	N.D.	7.2	N.D.	926600.0	6.0

- 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 Regulation
 (7) " --- " = Not Applicable
 (8) Sample was totally digested for Pb, Cd, Hg