

Survey Report

APACER TECHNOLOGY INC.
9F, 100, SEC. 1, HSIN TAI WU RD., HSICHIH TAIPEI
HSIEN 221, TAIWAN, R. O. C.

Report No. : CS/2006/70452

Date : 2006/08/03

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

Sample Description : USB DISK MODULE
Style/Item No. : UDM

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

* This report is combined with 6 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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Test Result(s)

PART NAME NO.1 : MIX TEST: COMPOSE OF TWO SAMPLE TICP IC (GREEN PRODUCT) (KA/2005/60451) (CONTROLLER IC)

PART NAME NO.2 : BLACK CERAMICS (TUV113062311 NO.4) (FLASH IC)

PART NAME NO.3 : BLACK CRYSTAL UNIT (SH430166/CHEM)

PART NAME NO.4 : PLEASE REFER TO THE CE/2004/34032A (SMD LED)

PART NAME NO.5 : BLACK RESIN PELLETS (CE/2005/84407) (CONNECT HEADER)

PART NAME NO.6 : MIXED ALL PARTS (GREEN PCB) (CE/2006/27139)

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.
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.
Mercury (Hg)	ppm	ICP-AES after reference to US EPA 3052 or other acid digestion.	2	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.	11.9	N.D.
Chromium VI (Cr+6)	ppm	As per DIN 53314.	2	---	<3.0	---	---	---
Mercury (Hg)	ppm	As per EN1483.	2	---	<5.0	---	---	---
Cadmium (Cd)	ppm	With reference to US EPA 3052. Analysis was performed by ICP-AES.	2	---	<10.0	---	---	---
Lead (Pb)	ppm	With reference to US EPA 3052. Analysis was performed by ICP-AES.	2	---	<10.0	---	---	---

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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 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.	N.D.	N.D.
Dibromobiphenyl	%		0.0005	N.D.	N.D.	N.D.	N.D.	N.D.
Tribromobiphenyl	%		0.0005	N.D.	N.D.	N.D.	N.D.	N.D.
Tetrabromobiphenyl	%		0.0005	N.D.	N.D.	N.D.	N.D.	N.D.
Pentabromobiphenyl	%		0.0005	N.D.	N.D.	N.D.	N.D.	N.D.
Hexabromobiphenyl	%		0.0005	N.D.	N.D.	N.D.	N.D.	N.D.
Heptabromobiphenyl	%		0.0005	N.D.	N.D.	N.D.	N.D.	N.D.
Octabromobiphenyl	%		0.0005	N.D.	N.D.	N.D.	N.D.	N.D.
Nonabromobiphenyl	%		0.0005	N.D.	N.D.	N.D.	N.D.	N.D.
Decabromobiphenyl	%		0.0005	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.
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.	N.D.
Dibromobiphenyl ether	%	0.0005		N.D.	N.D.	N.D.	N.D.	N.D.
Tribromobiphenyl ether	%	0.0005		N.D.	N.D.	N.D.	N.D.	N.D.
Tetrabromobiphenyl ether	%	0.0005		N.D.	N.D.	N.D.	N.D.	N.D.
Pentabromobiphenyl ether	%	0.0005		N.D.	N.D.	N.D.	N.D.	N.D.
Hexabromobiphenyl ether	%	0.0005		N.D.	N.D.	N.D.	N.D.	N.D.
Heptabromobiphenyl ether	%	0.0005		N.D.	N.D.	N.D.	N.D.	N.D.
Octabromobiphenyl ether	%	0.0005		N.D.	N.D.	N.D.	N.D.	N.D.
Nonabromobiphenyl ether	%	0.0005		N.D.	N.D.	N.D.	N.D.	N.D.
Decabromobiphenyl ether	%	0.0005		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 Nonabrominated 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.6
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 Nona-brominated biphenyl ether. (Note 4)	%	-	N.D.	

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

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