

ARIMA OPTOELECTRONICS CORP. 7TH FL., NO. 349, SEC. 2, JEN HO ROAD, DASH, TAOYUAN 335, TAIWAN, R. O. C.
 Report No.
 : CE/2006/60347

 Date
 : 2006/06/08

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The following merchandise was (were) submitted and identified by the client as :

<u>Type of Product</u>	:	CHIP ON SUBMOUNT
Sample Received	:	2006/06/01
<u>Testing Date</u>	:	2006/06/01 TO 2006/06/08

Test Result

: - Please see the next page -

Operation Manager

Signed for and on behalf of SGS TAIWAN LTD.

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Test Result

PART NAME NO.1

:

MIXED ALL PARTS (CHIP)

Toot Hom (a):		M. (1. A	MDI	Result
Test Item (s):	Unit	Method	MDL	No.1
Monobromobiphenyl	%		0.0005	N.D.
Dibromobiphenyl	%		0.0005	N.D.
Tribromobiphenyl	%		0.0005	N.D.
Tetrabromobiphenyl	%	With reference to	0.0005	N.D.
Pentabromobiphenyl	%	USEPA3540C or	0.0005	N.D.
Hexabromobiphenyl	%	USEPA3550C. Analysis was performed by HPLC/DAD,	0.0005	N.D.
Heptabromobiphenyl	%	LC/MS or GC/MS.	0.0005	N.D.
Octabromobiphenyl	%	(prohibited by 2002/95/EC	0.0005	N.D.
Nonabromobiphenyl	%	(RoHS), 83/264/EEC, and	0.0005	N.D.
Decabromobiphenyl	%	76/769/EEC)	0.0005	N.D.
Total PBBs	%		-	N.D.
(Polybrominated biphenyls)/Sum of above				
Monobromobiphenyl ether	%		0.0005	N.D.
Dibromobiphenyl ether	%		0.0005	N.D.
Tribromobiphenyl ether	%		0.0005	N.D.
Tetrabromobiphenyl ether	%		0.0005	N.D.
Pentabromobiphenyl ether	%	With reference to	0.0005	N.D.
Hexabromobiphenyl ether	%	USEPA3540C or	0.0005	N.D.
Heptabromobiphenyl ether	%	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.
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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Track Itams (a)	Unit	Method	MDL	Result
Test Item (s): U	Unit			No.1
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) 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.

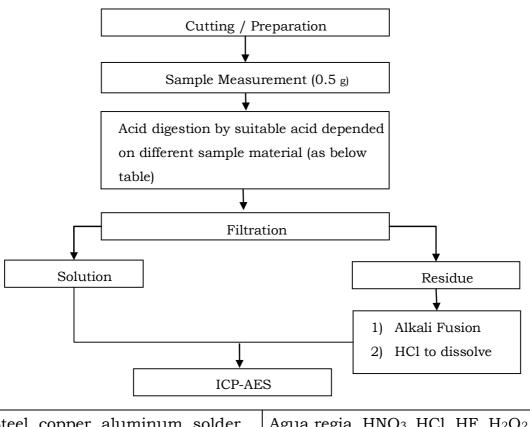
(6) " - " = Not Regulation

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- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart.
- 2) Name of the person who made measurement: Anren Lee
- 3) Name of the person in charge of measurement: Daniel Yeh



Steel, copper, aluminum, solder	Agua regia, HNO3, HCl, HF, H2O2
Glass	HNO ₃ /HF
Gold, platinum, palladium,	Aqua regia
ceramic	
Silver	HNO ₃
Plastic	H ₂ SO ₄ , H ₂ O ₂ , HNO ₃ , HCl
Others	Any acid to total digestion

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