

Test Report

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
Page : 1 of 5

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

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

=====
Test Result : - Please see the next page -


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

Test Report

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
Page : 2 of 5

Test Result

PART NAME NO.1 : MIXED ALL PARTS (CHIP)

Test Item (s):	Unit	Method	MDL	Result
				No.1
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.

Test Report

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
Page : 3 of 5

Test Item (s):	Unit	Method	MDL	Result
				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

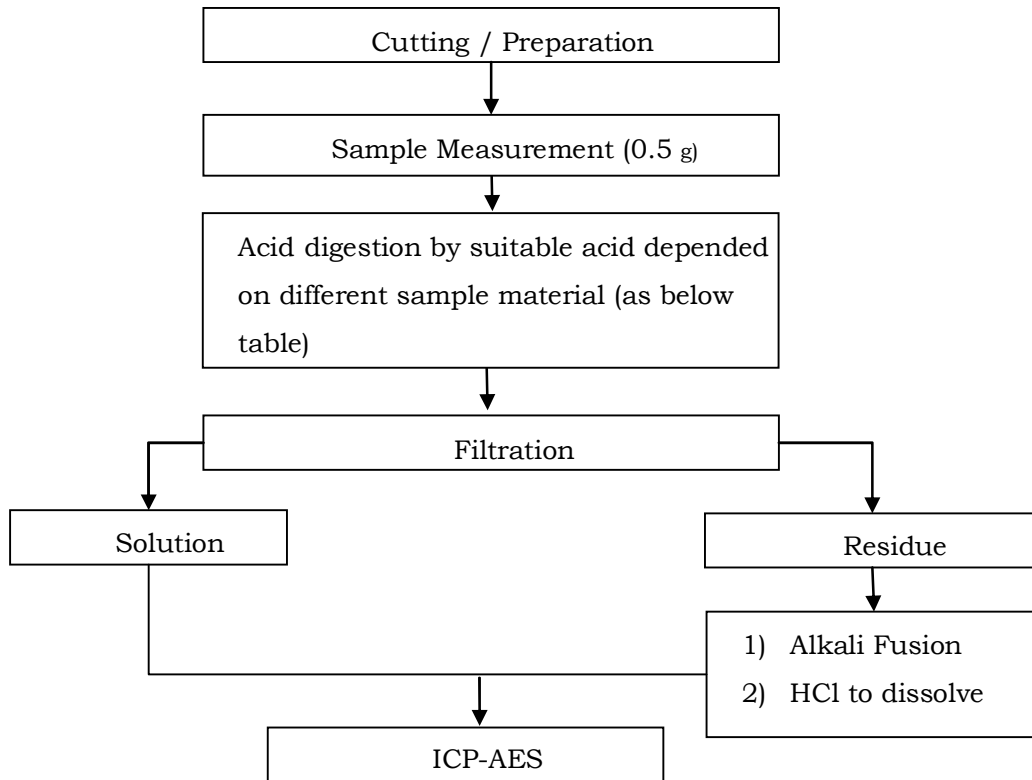
Test Report

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
 Page : 4 of 5

- 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

Method 1: Flow Chart of Digestion for Cd · Pb analysis



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

Test Report

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
Page : 5 of 5

