

INVAX SYSTEM TECHNOLOGY CORP. CORTEC TECHNOLOGY INC.

No

: CS/2006/B0199

Date

: 2006/11/23

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

Sample Description

COAXIAL SERIES

Style/item No

COAXIAL SERIES

Testing Period

2005/01/28 TO 2006/07/17

Test Result(s)

Please refer to next page(s).

\* This report is combined with 4 copies of test reports which hereby certified by SGS through the verification of each above certification provided by client.\*

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

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### Test Result(s)

PART NAME NO.1

GRAY METAL(CE/2005/95123)

PART NAME NO.2

IRON-GRAY METAL(CE/2006/46186)

PART NAME NO.3

MIXED ALL PARTS(MULTILAYER FERRITE CHIP BEADS, MULTILAYER FERRITE

CHIP INDUCTORS)(CE/2006/26763)

PART NAME NO.4

MIXED ALL PARTS(MULTILAYER FERRITE CHIP BEADS, HIGH CURRENT

FERRITE CHIP BEADS, BEAD ARRAY, MULTILAYER FERRITE COMMON MODE

CHOKE)(CE/2006/22877)

PART NAME NO.5

MIXED ALL PARTS(聚脂,聚胺基甲酸酯(2芯束絞漆包銅線))(CE/2006/57221)

PART NAME NO.6

SILVER COLORED SOLDER(CE/2006/25828)

PART NAME NO.7

MIXED ALL PARTS(IC)(CE/2006/26941)

PART NAME NO.8

MIXED ALL PARTS(TOSHIBA SEMICONDUCTOR)(CE/2005/B6346A)

PART NAME NO.9

MIXED ALL PARTS(BODY)(CE/2005/60638A NO.1)

PART NAME NO.10

SILVER COLORED METAL PIN(CE/2005/60638A NO.2)

PART NAME NO.11

BLACK EPOXY(CE/2005/91990B NO.3)

PART NAME NO.12

SILVER COLORED METAL(CE/2006/20960A)

PART NAME NO.13

MLCC(KA/2006/60498)

PART NAME NO.14

THICK FILM CHIP RESISTORS & CHIP ARRAY(KA/2006/62695)

PART NAME NO.15

SILVER COLORED METAL(CE/2006/31989A NO.1)

PART NAME NO.16

SILVER COLORED PLATING(CE/2006/31989A NO.2)

PART NAME NO.17

PET FILM (MYLAR)(KA/2005/B0923A-01)

PART NAME NO.18

MIXED ALL PARTS(SYLGARD 170 A & B SILICONE ELASTOMER)(CE/2005/87166)

PART NAME NO.19

PART NAME NO.20

COPPER/SILVER COLORED METAL(CE/2005/A2849)

PART NAME NO.21

BLACK PASTE(CE/2006/21870)

PART NAME NO.22

TRANSPARENT LIQUID(CE/2006/21871)

PART NAME NO.23

WHITE INK(CE/2005/A0062)

PART NAME NO.24

GREEN PCB(SH6006519/CHEM)

PART NAME NO.25

BLACK PELLETS(CE/2005/C2222)

PART NAME NO.26

: COPPER COLORED METAL SHEET(C5191 (PBP))(CE/2006/30709) YELLOW TAPE(CE/2005/15543)

PART NAME NO.27

LT. YELLOW LIQUID(CE/2006/21993)

PART NAME NO.28

GOLDEN COLORED METAL(SZR0607121195405C)(CTI)

PART NAME NO.29

GREEN LIQUID(GZ0603035698/CHEM)

PART NAME NO.30

SOS TAIWAN LIMITED

WHITE PLASTIC BAR(SH6060096/CHEM)

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Test Item(s):	Unit	Method	MDL			Result		/
R.	Oint	Metriod	MDL	NO.1	NO.2	NO.3	NO.4	NO.5
Monobromobiphenyl	ppm		5	-		N.D.		N.D.
Dibromobiphenyl	ppm		5		-	N.D.		N.D.
Tribromobiphenyl	ppm	NOTIFICAL TRANSPORT OF THE PROPERTY OF THE PARTY OF THE P	5	-	-	N.D.		N.D.
Tetrabromobiphenyl	ppm	With reference to USEPA3540C,	5	-	-	N.D.		N.D.
Pentabromobiphenyl	ppm	Analysis was performed by	5		-	N.D.		N.D.
Hexabromobiphenyl -	ppm	GC/MS and screening via	5		-	N.D.		N.D.
Heptabromobiphenyl	ppm	USEPA 3550C with	5	-	-	N.D.		N.D.
Octabromobiphenyl	ppm	HPLC/DAD/MS	5		-	N.D.		N.D.
Nonabromobiphenyl	ppm	Enterton revardance	5	-	-	N.D.	-	N.D.
Decabromobiphenyl	ppm	1	5		_	N.D.		N.D.
Total PBBs	ppm		-		-	N.D.		N.D.
Monobromobiphenyl ether	ppm		5	-	-	N.D.		N.D.
Dibromobiphenyl ether	ppm	1	5			N.D.		N.D.
Tribromobiphenyl ether	ppm	1	5		_	N.D.		
Tetrabromobiphenyl ether	ppm	Contract of the second	5			N.D.		N.D.
Pentabromobiphenyl ether	ppm	With reference to USEPA3540C,	5	_	-			N.D.
Hexabromobiphenyl ether	ppm	Analysis was performed by	5		-	N.D.		N.D.
Heptabromobiphenyl ether	ppm	GC/MS and screening via	5			N.D.		N.D.
Octabromobiphenyl ether	ppm	USEPA 3550C with				N.D.		N.D.
Nonabromobiphenyl ether		HPLC/DAD/MS	5			N.D.		N.D.
Decabromobiphenyl ether	ppm	/ The providence of the state o	5		-	N.D.		N.D.
	ppm	1 1	5		-	N.D.		N.D.
Total PBBEs(PBDEs)	ppm	1 1	•			N.D.		N.D.
Total of Mono to Nona(Note 4)	ppm		•			N.D.	***	N.D.
Test Item(s):	Unit	Method	MDL			Result		
	Onne		MIDL	NO.1	NO.2	NO.3	NO.4	NO.5
Hexavalent Chromium (CrVI)	ppm	With reference to US EPA Method 3060A & 7196A for Hexavalent Chromium. Analysis was performed by UV/Vis Spectrometry.	2	N.D.	N.D.	N.D.		N.D.
Cadmium (Cd)	ppm	With reference to BS EN 1122:2001, Method B for Cadmium Content. Analysis was performed by ICP-AES.	2	N.D.	N.D.	N.D.		N.D.
Mercury (Hg)	ppm	With reference to US EPA Method 3052 for Mercury Content. Analysis was performed by ICP-AES.	2	N.D.	N.D.	N.D.		N.D.
Lead (Pb)	ppm	With reference to US EPA Method 3050B for Lead Content. Analysis was performed by ICP- AES.	2	N.D.	89.6	-	N.D.	N.D.

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	1	1	WEARING IN		1111			
Test Item(s):	Uni	t Method	MDL			Resul	t	
Monobromobiphenyl	ppn	1	10000000	NO.	NO.7	NO.8		NO.1
Dibromobiphenyl	ppm		5	N.D.	N.D.	N.D.	N.D.	-110.1
Tribromobiphenyl	ppm		5	N.D.	N.D.	N.D.	N.D.	-
Tetrabromobiphenyl	ppm	TOTAL STREET,	5	N.D.	N.D.	N.D.	N.D.	
Pentabromobiphenyl	-			N.D.	N.D.	N.D.	N.D.	
Hexabromobiphenyl	ppm		- 5	N.D.	N.D.	N.D.	N.D.	-
Heptabromobiphenyl	ppm		5	N.D.	N.D.	N.D.	N.D.	1000
Octabromobiphenyl	ppm		5	N.D.	N.D.	N.D.	N.D.	
Nonabromobiphenyl	ppm		5	N.D.	N.D.	N.D.	N.D.	-
Decabromobiphenyl	ppm		5	N.D.	N.D.	N.D.	N.D.	
Total PBBs	ppm		5	N.D.	N.D.	N.D.	N.D.	-
Monobromobiphenyl ether	ppm			N.D.	N.D.	N.D.		-
Dibromobinhand att	ppm		5	N.D.	N.D.		N.D.	-
Dibromobiphenyl ether	ppm		5	N.D.	N.D.	N.D.	N.D.	
Tribromobiphenyl ether	ppm		5	N.D.	N.D.	N.D.	N.D.	
Tetrabromobiphenyl ether	ppm	With reference to USEPA3540C.	5	N.D.		N.D.	N.D.	-
Pentabromobiphenyl ether	ppm	Analysis upo perfersed to	5	N.D.	N.D.	N.D.	N.D.	
Hexabromobiphenyl ether	ppm	Analysis was performed by	5	N.D.	N.D.	N.D.	N.D.	-
leptabromobiphenyl ether	ppm	GC/MS and screening via	5		N.D.	N.D.	N.D.	
Octabromobiphenyl ether	ppm	USEPA 3550C with	5	N.D.	N.D.	N.D.	N.D.	-
Nonabromobiphenyl ether	ppm	HPLC/DAD/MS	5	N.D.	N.D.	N.D.	N.D.	
Decabromobiphenyl ether	ppm	j		N.D.	N.D.	N.D.	N.D.	
(otal PBBEs(PBDEs)	ppm	1 1	5	N.D.	N.D.	N.D.	N.D.	-
Total of Mono to Nona(Note 4)	ppm			N.D.	N.D.	N.D.	N.D.	_
Test Item(s):	Unit	Method	77 -0.000,000	N.O.	N.D.	N.D.	N.D.	
lexavalent Chromium (CrVI)		A COMPANSA TO	MDL	NO.6	NO.7	Result		
	ppm	With reference to US EPA Method 3060A & 7196A for Hexavalent Chromium. Analysis was performed by UV/Vis Spectrometry.	2	N.D.	N.D.	NO.8 N.D.	N.D.	NO.10 N.D.
admium (Cd)		With reference to BS EN 1122:2001, Method B for Cadmium Content. Analysis was performed by ICP-AES.	2	N.D.	N.D.	N.D.	N.D.	N.D.
ercury (Hg)	ppm	With reference to US EPA Method 3052 for Mercury Content. Analysis was performed by ICP-AES.	2	N.D.	N.D.	N.D.	N.D.	N.D.
ead (Pb)	ppm	With reference to US EPA Method 3050B for Lead Content. Analysis was performed by ICP- AES.	2	71.6	N.D.	11.0		24.8

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Test Item(s):	Unit	Method	MDL			Result	66	
Monobromobiphenyl				NO.11	NO.12	NO.13	NO.14	NO.15
Dibromobiphenyl	ppm		5	-	N.D.	N.D.	N.D.	N.D.
Tribromobiphenyl	ppm	<u> </u>	5	-	N.D.	N.D.	N.D.	N.D.
	ppm	10/2b 5 1 110=5105105	5	-	N.D.	N.D.	N.D.	N.D.
Tetrabromobiphenyl	ppm	With reference to USEPA3540C,	-	-	N.D.	N.D.	N.D.	N.D.
Pentabromobiphenyl	ppm	Analysis was performed by	5	1	N.D.	N.D.	N.D.	N.D.
Hexabromobiphenyl .	ppm	GC/MS and screening via	5	-	N.D.	N.D.	N.D.	N.D.
Heptabromobiphenyl	ppm	USEPA 3550C with	5	-	N.D.	N.D.	N.D.	N.D.
Octabromobiphenyl	ppm	HPLC/DAD/MS	5	-	N.D.	N.D.	N.D.	N.D.
Nonabromobiphenyl	ppm	1	5	-	N.D.	N.D.	N.D.	N.D.
Decabromobiphenyl	ppm	1	5	-	N.D.	N.D.	N.D.	N.D.
Total PBBs	ppm			_	N.D.	N.D.	N.D.	N.D.
Monobromobiphenyl ether	ppm		5	220	N.D.	N.D.	N.D.	N.D.
Dibromobiphenyl ether	ppm		5		N.D.	N.D.	N.D.	N.D.
Tribromobiphenyl ether	ppm		5	-	N.D.	N.D.	N.D.	N.D.
Tetrabromobiphenyl ether	ppm	Mich mineral to USERABE INC	5		N.D.	N.D.	N.D.	N.D.
Pentabromobiphenyl ether	ppm	With reference to USEPA3540C,	5		N.D.	N.D.	N.D.	
Hexabromobiphenyl ether	ppm	Analysis was performed by	5	_	N.D.	N.D.	N.D.	N.D.
Heptabromobiphenyl ether	ppm	GC/MS and screening via	5	-	N.D.	N.D.		N.D.
Octabromobiphenyl ether	ppm	USEPA 3550C with	5	-	N.D.	N.D.	N.D.	N.D.
Nonabromobiphenyl ether	ppm	HPLC/DAD/MS	5		N.D.		N.D.	N.D.
Decabromobiphenyl ether	ppm		5	_			N.D.	N.D.
Total PBBEs(PBDEs)	ppm	1 1		-	N.D.	N.D.	N.D.	N.D.
Total of Mono to Nona(Note 4)			-	_	N.D.	N.D.	N.D.	N.D.
7	I PPIII		•		N.D.	N.D.	N.D.	N.D.
Test Item(s):	Unit	Method	MDL			Result		
			72-52-610000	NO.11	NO.12	NO.13	NO.14	NO.15
Hexavalent Chromium (CrVI)	ppm	With reference to US EPA Method 3060A & 7196A for Hexavalent Chromium. Analysis was performed by UV/Vis Spectrometry.	2	202	N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)	1 M. M. C. C. L. C.	With reference to BS EN 1122:2001, Method B for Cadmium Content. Analysis was performed by ICP-AES.	2		N.D.	N.D.	N.D.	N.D.
Mercury (Hg)		With reference to US EPA Method 3052 for Mercury Content. Analysis was performed by ICP-AES.	2	-	N.D.	N.D.	N.D.	N.D.
ead (Pb)		With reference to US EPA Method 3050B for Lead Content. Analysis was performed by ICP- AES.	2	26.4	N.D.	N.D.	254.0	N.D.

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lest item(s):	Unit	Method	MDL			Result		
Monobromobiphenyl	ppm		1 2 2 2 3 3	NO.16	NO.17			
Dibromobiphenyl	ppm		5		N.D.	N.D.	N.D.	N.D.
Tribromobiphenyl	ppm	-	5		N.D.	N.D.	N.D.	N.D.
Tetrabromobiphenyl	ppm	With reference to USEPA3540C	5	-	N.D.	N.D.	N.D.	N.D.
Pentabromobiphenyl	ppm			-	N.D.	N.D.	N.D.	N.D.
Hexabromobiphenyl -	ppm		5		N.D.	N.D.	N.D.	N.D.
Heptabromobiphenyl		GC/MS and screening via USEPA 3550C with	5	-	N.D.	N.D.	N.D.	N.D.
Octabromobiphenyl	ppm		5	-	N.D.	N.D.	N.D.	N.D.
Nonabromobiphenyl	ppm	HPLC/DAD/MS	5	-	N.D.	N.D.	N.D.	N.D.
Decabromobiphenyl	ppm	-1	5	-	N.D.	N.D.	N.D.	N.D.
Total PBBs	ppm	1	5	-	N.D.	N.D.	N.D.	N.D.
Monobromobiphenyl ether	ppm				N.D.	N.D.	N.D.	N.D.
Dibromobiphenyl ether	ppm	-	5	-	N.D.	N.D.	N.D.	N.D.
	ppm	4	5	-	N.D.	N.D.	N.D.	N.D.
Tribromobiphenyl ether	ppm		5	-	N.D.	N.D.	N.D.	N.D.
Tetrabromobiphenyl ether	ppm	With reference to USEPA3540C	5	-	N.D.	N.D.	N.D.	N.D.
Pentabromobiphenyl ether	ppm	Analysis was performed by	5		N.D.	N.D.	N.D.	N.D.
Hexabromobiphenyl ether	ppm	GC/MS and screening via	5	-	N.D.	N.D.	N.D.	N.D.
Heptabromobiphenyl ether	ppm	USEPA 3550C with	5	-	N.D.	N.D.	N.D.	N.D.
Octabromobiphenyl ether	ppm	HPLC/DAD/MS	5	-	N.D.	N.D.	N.D.	N.D.
Nonabromobiphenyl ether	ppm	20/0/10/110	5	-	N.D.	N.D.	N.D.	N.D.
Decabromobiphenyl ether	ppm		5	-	N.D.	N.D.	N.D.	N.D.
Total PBBEs(PBDEs)	ppm	1	1 2		N.D.	N.D.	N.D.	N.D.
Total of Mono to Nona(Note 4)	ppm			-	N.D.	N.D.	N.D.	N.D.
Test Item(s):	Unit	Method	MOL			Result		
7.00	2000		MDL	NO.16	NO.17		NO.19	NO 20
Hexavalent Chromium (CrVI)	ppm	With reference to US EPA Method 3060A & 7196A for Hexavalent Chromium. Analysis was performed by UV/Vis Spectrometry.	2		N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)	A.S.	With reference to BS EN 1122:2001, Method B for Cadmium Content. Analysis was performed by ICP-AES.	2	-	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	ppm	With reference to US EPA Method 3052 for Mercury Content. Analysis was performed by ICP-AES.	2	-	N.D.	N.D.	N.D.	N.D.
Lead (Pb)		With reference to US EPA Method 3050B for Lead Content. Analysis was performed by ICP-AES.	2	-	N.D.	N.D.	21.5	N.D.
Hexavalent Chromium (CrVI)		With reference to IEC 62321, Ed.1 111/54/CDV. Analysis was performed by UV-VIS	0.02mg/kg with 50 cm <sup>2</sup> surface area	Negative	-	) <del></del>	**	-

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Test Item(s):	Unit	Method	MDL		10	Result		
Monobromobiphenyl	nnm		18(5)(5)	NO.21	NO.22	NO.23	NO.24	NO.25
Dibromobiphenyl	ppm		5	N.D.	N.D.	N.D.	N.D.	N.D.
Tribromobiphenyl	ppm	4	5	N.D.	N.D.	N.D.	N.D.	N.D.
Tetrabromobiphenyl	ppm	With reference to USEPA3540C.	5	N.D.	N.D.	N.D.	N.D.	N.D.
Pentabromobiphenyl	ppm		_	N.D.	N.D.	N.D.	N.D.	N.D.
Havabramakinkand	ppm	Analysis was performed by	5	N.D.	N.D.	N.D.	N.D.	N.D.
Heptabromobiphenyl	ppm	GC/MS and screening via	5	N.D.	N.D.	N.D.	N.D.	N.D.
Octabromobiphenyl	ppm	USEPA 3550C with	5	N.D.	N.D.	N.D.	N.D.	N.D.
Nonabromobiphenyl	ppm	HPLC/DAD/MS	5	N.D.	N.D.	N.D.	N.D.	N.D.
Decabromobiphenyl	ppm	<b>-</b>	5	N.D.	N.D.	N.D.	N.D.	N.D.
	ppm	1	5	N.D.	N.D.	N.D.	N.D.	N.D.
Total PBBs	ppm			N.D.	N.D.	N.D.	N.D.	N.D.
Monobromobiphenyl ether	ppm		5	N.D.	N.D.	N.D.	N.D.	N.D.
Dibromobiphenyl ether	ppm	4	5	N.D.	N.D.	N.D.	N.D.	N.D.
Tribromobiphenyl ether	ppm		5	N.D.	N.D.	N.D.	N.D.	N.D.
Tetrabromobiphenyl ether	ppm	With reference to USEPA3540C.	5	N.D.	N.D.	N.D.	N.D.	N.D.
Pentabromobiphenyl ether	ppm	Analysis was performed by	5	N.D.	N.D.	N.D.	N.D.	N.D.
Hexabromobiphenyl ether	ppm	GC/MS and screening via	5	N.D.	N.D.	N.D.	N.D.	N.D.
Heptabromobiphenyl ether	ppm	USEPA 3550C with	5	N.D.	N.D.	N.D.	N.D.	N.D.
Octabromobiphenyl ether	ppm	HPLC/DAD/MS	5	N.D.	N.D.	N.D.	N.D.	N.D.
Nonabromobiphenyl ether	ppm	EGIDADIMO	5	N.D.	N.D.	N.D.	N.D.	N.D.
Decabromobiphenyl ether	ppm		5	N.D.	N.D.	N.D.	N.D.	N.D.
Total PBBEs(PBDEs)	ppm			N.D.	N.D.	N.D.	N.D.	N.D.
Total of Mono to Nona(Note 4)	ppm		(*)	N.D.	N.D.	N.D.	N.D.	N.D.
Test Item(s):	Unit	Manage				Result		
	Offic	Method	MDL	NO.21	NO.22	NO 23	NO 24	NO 25
Hexavalent Chromium (CrVI)	ppm	With reference to US EPA Method 3060A & 7196A for Hexavalent Chromium. Analysis was performed by UV/Vis Spectrometry.	2	N.D.	N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)		With reference to BS EN 1122:2001, Method B for Cadmium Content. Analysis was performed by ICP-AES.	2	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	ppm	With reference to US EPA Method 3052 for Mercury Content. Analysis was performed by ICP-AES.	2	N.D.	N.D.	N.D.	N.D.	N.D.
ead (Pb)		With reference to US EPA Method 3050B for Lead Content. Analysis was performed by ICP- AES.	2	N.D.	N.D.	37.0	N.D.	17.6

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Unit

INVAX SYSTEM TECHNOLOGY CORP. CORTEC TECHNOLOGY INC.

Test Item(s):

No

: CS/2006/B0199

Result

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MDL

MERCHANIS DIE BIRTO DIE BUILD

To a control of	10	Method	MIDL	110.00	T	Nesuk	_	
Monobromobiphenyl	ppm		5	NO.26	NO.27			
Dibromobiphenyl	ppm		5	N.D.	N.D.		N.D.	N.D.
Tribromobiphenyl	ppm	_	5	N.D.	N.D.		N.D.	N.D.
Tetrabromobiphenyl	ppm		5	N.D.	N.D.		N.D.	N.D.
Pentabromobiphenyl	ppm		5	N.D.	N.D.		N.D.	N.D.
Hexabromobiphenyl	ppm		5	N.D.	N.D.		N.D.	N.D.
Heptabromobiphenyl	ppm		5	N.D.	N.D.	***	N.D.	N.D.
Octabromobiphenyl	ppm			N.D.	N.D.		N.D.	N.D.
Nonabromobiphenyl	ppm		5	N.D.	N.D.		N.D.	N.D.
Decabromobiphenyl	ppm	-	5	N.D.	N.D.		N.D.	N.D.
Total PBBs	ppm	1	177	N.D.	N.D.		N.D.	N.D.
Monobromobiphenyl ether	ppm			N.D.	N.D.		N.D.	N.D.
Dibromobiphenyl ether	ppm	1	5	N.D.	N.D.		N.D.	N.D.
Tribromobiphenyl ether	ppm	1	5	N.D.	N.D.		N.D.	N.D.
Tetrabromobiphenyl ether	ppm	Lauren en geranten aus de automostico	5	N.D.	N.D.		N.D.	N.D.
Pentabromobiphenyl ether	ppm	With reference to USEPA3540C,	5	N.D.	N.D.		N.D.	N.D.
Hexabromobiphenyl ether	ppm	Analysis was performed by	5	N.D.	N.D.		N.D.	N.D.
Heptabromobiphenyl ether	ppm	GC/MS and screening via	5	N.D.	N.D.		N.D.	N.D.
Octabromobiphenyl ether	ppm	USEPA 3550C with	5	N.D.	N.D.		N.D.	N.D.
Nonabromobiphenyl ether	ppm	HPLC/DAD/MS	5	N.D.	N.D.		N.D.	N.D.
Decabromobiphenyl ether	ppm		5	N.D.	N.D.		N.D.	N.D.
Total PBBEs(PBDEs)	ppm	1	5	N.D.	N.D.		N.D.	N.D.
Total of Mono to Nona(Note 4)	ppm			N.D.	N.D.		N.D.	N.D.
,	I ppiii		•	N.D.	N.D.		N.D.	N.D.
Test Item(s):	Unit	Method	MDL	2		Result		
Hexavalent Chromium (CrVI)		3355 (25 g g)	L. DECHARAC	NO.26		NO.28	NO.29	NO.30
	ppm	With reference to US EPA Method 3060A & 7196A for Hexavalent Chromium. Analysis was performed by UV/Vis Spectrometry.	2	N.D.	N.D.	N.D.	1	N.D.
Cadmium (Cd)		With reference to BS EN 1122:2001, Method B for Cadmium Content. Analysis was performed by ICP-AES.	2	N.D.	N.D.	49.0	N.D.	N.D.
Mercury (Hg)	ppm	With reference to US EPA Method 3052 for Mercury Content. Analysis was performed by ICP-AES.	2	N.D.	N.D.	N.D.	N.D.	N.D.
ead (Pb)		With reference to US EPA Method 3050B for Lead Content. Analysis was performed by ICP- AES.	2	N.D.	N.D.	-	N.D.	N.D.

Method

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Test Item(s):	Unit	Method	MDL			Result		
load (DL)	O HI HOS AND	\$2500504500M	or	NO.26	NO.27	NO.28	NO.29	NO 30
Lead (Pb)	lare.	With reference to US EPA Method 3052 for Lead Content. Analysis was performed by ICP- AES.	2	-	-	36780.0	=	_
Hexavalent Chromium (CrVI)	Carlo Salver Sal	With reference to IEC 62321, Ed.1 111/54/CDV. Analysis was performed by UV-VIS	2	=	-	-	N.D.	

Note: 1. mg/kg = ppm

2. n.d. = Not Detected

3. MDL = Method Detection Limit

4. Sum of Mono to NonaBDE & according to 2005/717/EC DecaBDE is exempt.

5. Spot-test:

Negative = Absence of CrVI coating, Positive = Presence of CrVI coating; (The tested sample should be further verified by boiling-water-extraction method if the spot test result cannot be confirmed.)

Boiling-water-extraction:

Negative = Absence of CrVI coating

Positive = Presence of CrVI coating; the detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm2 sample surface area.

6. "-- " = Not Conducted

7. " - " = Not Regulated

8. \*\* = Qualitative analysis (No Unit)

\*\* End of Report \*\*



4F. No.815, CHUNG HSAIO EAST RD. SEC.5,

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

Type of Product

: ANTENNA

Style/Item No.

: EM SERIES; IM SERIES; NB SERIES; AN SERIES

Sample Received

: 2004/01/05 & 2004/04/23 & 2004/06/11 & 2004/06/24 &

2004/12/09 & 2005/01/26 & 2005/02/17

Testing Date

: 2004/01/05 TO 2004/01/06 & 2004/04/23 TO 2004/04/28 & 2004/06/11 TO 2004/06/21 & 2004/06/24 TO 2004/07/01 & 2004/12/09 TO 2004/12/16 & 2005/01/26 TO 2005/01/28 &

2005/02/17 TO 2005/03/03

Test Result

: - Please see the next page -

\*This report is combined with reports of SZTYR050102512/LP & CE/2004/62767 & GZSCR040100230/LP & CE/2004/61520 & GZSCR040413274/LP & GZSCR050207531/LP\*

Signed for and on behalf of SGS TAWAN LTD.



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#### **Test Result**

PART NAME NO.1 : BRASSY COLOR METAL BAR(SZTYROS0102512/LP) : BLACK PLASTIC SHEET[GZ8CR040100230/LP] PART NAME NO.2 PART NAME NO.3 TAN TRANSPARENT LIQUID(GZSCR040413274/LP) : BLACK PLASTIC JACKET[KHCX-32AWG-8B-TA][CE/2004/61520] PART NAME NO.4 : TRANSPARENT PEP JACKET[CE/2004/C1640] PART NAME NO.5 PART NAME NO.6 WHITE PALSTIC(CE/2004/62767) PART NAME NO.7 : SILVER COLORED METAL WIRE(GZSCR050207531/LP NO. 1) : TRANSPARENT LT. BROWN PLASTIC[GZSCR050207531/LP NO. 2] PART NAME NO.8

						Result		
Test Item [s]:	Unit	Method	MDL	No.1	No.2	No.3	Ho.4	No.5
PBBs(Polybrominated biphenyls)(CAS NO:059536-65-1)	%	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	445	•••	34.18	N.D.	N.D.
PBBEs(PBDEs)(Polybromi nated biphenyl ethers)	%	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	: <del>***</del>	***	9 <del>-00</del>	N.D.	N.D.



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						Result		
Test Item [s]:	Unit	Method	MDL	No.1	No.2	No.3	Ro.4	No.5
Chromium VI (Cr+6)	ppm	As per US EPA 7196A and US EPA 3060A.	2	N.D.	***	N.D.	N.D.	N.D.
Cadmium (Cd)	bhm	ICP-AES after as per EN 1122, method B:2001 or other acid digestion.		22.0	N.D.	N.D.	N.D.	N.D.
Mercury (Fig)	bbw	ICP-AES after as per US EPA 3052 or other acid digestion.	2	N.D.	***	N.D.	N.D.	N.D.
Lead (Pb)	ppm	ICP-AES after as per US BPA 3050B or other acid digestion.	2	24600.0	6.0	N.D.	N.D.	N.D.

·		3200349-5940			Result	
Toot Item [s]:	Unit	Method	MDL	No.6	No.7	No.8
PBBs(Polybrominated biphenyls)(CAS NO:059536-65-1)	%	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.
PBBEs(PBDEs)(Polybromi nated biphenyl ethers)	%	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.



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		· ·			Result	
Test Item (s):	Unit	Method	MDL	No.6	No.7	No.8
Chromium VI (Cr+6)	bbm	As per US EPA 7196A and US EPA 3060A.	2		N.D.	N.D.
Cadmium (Cd)	ppm	ICP-AES after as per EN 1122, method B:2001 or other acid digestion.	2	N.D.	N.D.	588
Mercury (Hg)	ppm	ICP-AES after as per US EPA 3052 or other acid digestion.	2	•••	N.D.	***
Lead (Pb)	bbu	ICP-AES after as per US EPA 3050B or other acid digestion.	2	N.D.	N.D.	***
Cadmium (Cd)	ppm	ICP AES after as per EN 1122, method B:2001 or other acid digestion.	15	***		N.D.
Mercury (Hg)	ppm	ICP-AES after as per US EPA 3052 or other acid digestion.	50		***	N.D.
Lead (Pb)	ppm	ICP-AES after as per US EPA 3050B or other acid digestion.	15	***	***	N.D.

1				Result				
Test Item (s):	Unit	Method	MDL	No.6	No.7	No.8		
AZO	- 2	As per LMBG 8202-2			8 =	i -		
4-AMINODIPHENYL (CAS NO.92-67-1)	ppm	Analysis was performed by GC/MS.	3	N.D.		N.D.		
BENZIDINE (CAS NO.92- 87-5)	ppm	Analysis was performed by GC/MS.	3	N.D.		N.D.		
4-CHLORO-O-TOLUIDINE (CAS NO.95-69-2)	ppm	Analysis was performed by GC/MS.	3	N.D.	***	N.D.		
2-NAPHTHYLAMINE (CAS NO.91-59-8)	ppm	Analysis was performed by GC/MS.	3	N.D.	577	N.D.		
O AMINOAZOTOLUENE (CAS NO.97-56-3)	ppm	Analysis was performed by GC/MS.	3	N.D.	***	N.D.		



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				Result			
Test I tem [s]:	Unit	Method	MDL	No.6	No.7	No.8	
2-amino-4- nitrotoluene (CAS	bbm	Analysis was performed by GC/MS.	3	N.D.	***	N.D.	
P-CHLOROANILINE (CAS NO.106-47-8)	bbw	Analysis was performed by GC/MS.	3	N.D.	***	N.D.	
2,4-diaminoanisole (Cas no.615-05-4)	ррш	Analysis was performed by GC/MS.	3	N.D.	***	N.D.	
4,4- DIAMINODIPHENYLMETH ANE (CAS NO.101-77-9)	ppm	Analysis was performed by GC/MS.	3	N.D.	3,775	N.D.	
3,3 DICHLOROBENZIDINE (CAS NO.91-94-1)	ppm	Analysis was performed by GC/MS.	3	N.D.	***	N.D.	
3,3- DIMETHOXYBENZIDINE (CAS NO.119-90-4)	ppm	Analysis was performed by GC/MS.	3	N.D.	***	N.D.	
3,3- DIMETHYLBENZIDINE (CAS NO.119-93-7)	ppm	Analysis was performed by GC/MS.	3	N.D.		N.D.	
3,3-DIMETHYL-4,4- DIAMINODIPHENYLMETH ANE (CAS NO.838-88-0)	ppm	Analysis was performed by GC/MS.	3	N.D.	. e++>	N.D.	
P-CRESIDINE(2- METHOXY-5- METHYLANILINE) (CAS NO.120-71-8)	ppm	Analysis was performed by GC/MS.	3	N.D.	***	N.D.	
4,4 METHYLENE BIS (2- CHLORANILINE) (CAS NO.101-14-4)	ppm	Analysis was performed by GC/MS.	3	N.D.	0.00	N.D.	
4,4-OXYDIANILINE (CAS NO.101-80-4)		Analysis was performed by GC/MS.	3	N.D.		N.D.	
4,4-THIODIANILINE (CAS NO.139-65-1)	ppm	Analysis was performed by GC/MS.	3	N.D.		N.D.	
O-TOLUIDINE (CAS NO.95-53-4)	ppm	Analysis was performed by GC/MS.	3	N.D.		N.D.	



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				Result			
Test I tem (e):	Unit	Method	MDL	No.5	No.7	No.8	
2,4-TOLUYLENDIAMINE (CAS NO.95-80-7)		Analysis was performed by GC/MS.	3	N.D.		N.D.	
2,4,5-trimethylaniline (CAO NO.107-17-7)	the second second	Analysis was performed by OC/MO.	3	N.D.		N.D.	
O-ANISIDINE (CAS NO.90- 04-0)		Analysis was performed by GC/MS.	3	N.D.		N.D.	
P-AMINOAZOBENZENE (CAS NO.60-09-3)	bbur	Analysis was performed by GC/MS.	3	N.D.	(1777)	N.D.	

				Result		
Test Item [s]:	Unit	Method	MDL	No.6	No.7	No.8
Mirex(CAS NO:002385-85- 5)	Park 1	Analysis was performed by GC/MS.	4	N.D.	•••	3000

				Result			
Test Item (s):	Unit	Method	MDL	No.6	No.7	No.8	
PCBs(Polychlorinated Biphenyls)(CAS NO:001336-36-3)		With reference to USEPA 8082A. Analysis was performed by GC/ECD/MS.	0.5	N.D.	***	2555	

	-			Result			
Tost I tem (s):	Unit	Method	MDL	No.6	No.7	No.8	
Organic-tin coumpounds						22 20 000	
Triphenyl Tin(TPT)(CAS NO:000668-34-8)	**	With reference to 83/677/EEC & DIN 38407. Analysis was performed by GC/FPD.	0.03	3855	eler	N.D.	
Tributyl Tin(TBT)	100	With reference to 83/677/EEC & DIN 38407. Analysis was performed by GC/PPD.	0.03	(3 <del>101</del>	2000	N.D.	



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					Result	
Test Item (s):	Unit	Method	MDL	No.6	No.7	No.8
Asbestos					6	Ji
Anthrophyllite(CAS NO.017068-78-9)	•	As per NIOSH 9000 method. Analysis was performed by XRD.		444	***	Negative
Crocodolite(CAS NO.012001-28-4)	**	As per NIOSH 9000 method. Analysis was performed by XRD.		Si <del>ste</del>	***	Negative
Amosite(CAS NO.012172- 73-5)	**	As per NIOSH 9000 method. Analysis was performed by XRD.		1577	7575	Negative
Tremolite(CAS NO.014567-73-8)	-	As per NIOSH 9000 method. Analysis was performed by XRD.		344	200	Negative
Chrysotile(CAS NO.012001-29-5)	-	As per NIOSH 9000 method. Analysis was performed by XRD.	•		***	Negative
Actinolite(CAS NO.013768-00-8)	24	As per NIOSH 9000 method. Analysis was performed by XRD.		***		Negative

Test Item (s):				Result			
	Unit Method MI	MDL	No.6	No.7	No.8		
PCBs(Polychlorinated Biphenyls)(CAS NO:001336-36-3)	1811	With reference to USEPA 8082A. Analysis was performed by GC/ECD/MS.	0.5	577	299	N.D.	

				Result			
Test I tem (s):	Unit	Method	MDL	No.6	No.7	No.8	
Polychlorinated Naphthalene		With reference to USEPA 8081B. Analysis was performed by GC/MS.	5		697	N.D.	



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				Result			
Test Item (s):	Unit	Method	MDL	No.6	No.7	No.8	
PVC (CAS No:9002-86-2)		Analysis was performed by PTIR/ATR and Pyro- GC/MS.		***	***	N.D.	

	t Method M		Result			
Test Item (s): Un		MDL	No.6	No.7	No.8	
Chlorinated Paraffin (C10-C13) (CAS NO:010871-26-2)	With reference to USEPA3540C or USEPA3550C. Analysis was performed by GC/MS or GC/ECD.	0.01	***	***	N.D.	

Test Item (s):		Method		Result		
	Unit		MDL	No.6	No.7	No.8
Pormaldehyde(CAS No:000050-00-0)	100	With reference to DIN 53315 & USEPA 8315A method. Analysis was performed by HPLC/DAD/MS	0.2	***	***	N.D.

NOTE: (1) N.D. = Not detected (<MDL)

(2) ppm = mg/kg

(3) MDL = Method Detection Limit

(4) " --- " = Not Applicable

(5) " = No Regulation

(6) \* = Results shown are of the adjusted analytical results

(7) \*\* = Qualitative analysis (No Unit)

(8) Negative = Undetectable / Positive = Detectable

(9) The MDL is 5ppm for the single compound of CP

