



Test Report No. F690501/LF-CTSGPJ05-0105

Date: November 02, 2005

Page 1 of 2

To: **AUK CORP**
802-12
Shinheung-dong
Iksan-city
JEONBUK
Korea

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

Commodity : Silicon Chip
SGS File No. : GPJ05-0105
Received Date : October 26, 2005
Test Performing Date : October 27, 2005
Test Performed : SGS Testing Korea tested the sample(s) selected by applicant with following results
Test Results : For further details, please refer to following page(s)
Comments : Buyer is SONY

SGS Testing Korea Co. Ltd.

Jason Han / Lab Director

Jeff Jang / Technical Mgr

**Test Report No. F690501/LF-CTSGPJ05-0105**

Date: November 02, 2005

Page 2 of 2

Sample No. : GPJ05-0105.001
Sample Description : Silicon Chip
Style/Item No. : N/A
Comments : Material is Silicon

Heavy Metals

Test Items	Unit	Test Method	MDL	Results
Cadmium(Cd)	mg/kg	USEPA 3050B, ICP-AES	0.5	N.D.
Lead (Pb)	mg/kg	USEPA 3050B, ICP-AES	5	N.D.
Mercury (Hg)	mg/kg	USEPA 3052, ICP-AES	2	N.D.
Hexavalent Chromium (Cr VI)	mg/kg	USEPA 3060A, UV-vis	1	N.D.

Flame Retardants-PBBs/PBDEs

Test Items	Unit	Test Method	MDL	Results
Monobromobiphenyl	mg/kg	USEPA 3540C, GC/MS	5	N.D.
Dibromobiphenyl	mg/kg	USEPA 3540C, GC/MS	5	N.D.
Tribromobiphenyl	mg/kg	USEPA 3540C, GC/MS	5	N.D.
Tetrabromobiphenyl	mg/kg	USEPA 3540C, GC/MS	5	N.D.
Heptabromobiphenyl	mg/kg	USEPA 3540C, GC/MS	5	N.D.
Hexabromobiphenyl	mg/kg	USEPA 3540C, GC/MS	5	N.D.
Pentabromobiphenyl	mg/kg	USEPA 3540C, GC/MS	5	N.D.
Octabromobiphenyl	mg/kg	USEPA 3540C, GC/MS	5	N.D.
Nonabromobiphenyl	mg/kg	USEPA 3540C, GC/MS	5	N.D.
Decabromobiphenyl	mg/kg	USEPA 3540C, GC/MS	5	N.D.
Monobromobiphenyl ether	mg/kg	USEPA 3540C, GC/MS	5	N.D.
Dibromobiphenyl ether	mg/kg	USEPA 3540C, GC/MS	5	N.D.
Tribromobiphenyl ether	mg/kg	USEPA 3540C, GC/MS	5	N.D.
Tetrabromobiphenyl ether	mg/kg	USEPA 3540C, GC/MS	5	N.D.
Heptabromobiphenyl ether	mg/kg	USEPA 3540C, GC/MS	5	N.D.
Hexabromobiphenyl ether	mg/kg	USEPA 3540C, GC/MS	5	N.D.
Pentabromobiphenyl ether	mg/kg	USEPA 3540C, GC/MS	5	N.D.
Octabromobiphenyl ether	mg/kg	USEPA 3540C, GC/MS	5	N.D.
Nonabromobiphenyl ether	mg/kg	USEPA 3540C, GC/MS	5	N.D.
Decabromobiphenyl ether	mg/kg	USEPA 3540C, GC/MS	5	N.D.

*** End ***

NOTE: N.D. = Not detected.(<MDL)
ppm = mg/kg
MDL = Method Detection Limit
"- " = No Regulation
** = Qualitative analysis (No Unit)
Negative = Undetectable / Positive = Detectable



Test Report No. F690501/LF-CTS059024

Date : November 10, 2005

Page 1 of 2

To: **POONGSAN MICROTEC CORP.**
52, Banyeo 1-dong,
Haeundae-gu,
Busan,
Korea

The following merchandise was submitted and identified by the client as : -

Commodity	:	Lead Frame (Cu Alloy - PMC90)
SGS File No.	:	P-48/2005-1042
Country of Origin	:	Korea
Received Date	:	November. 01, 2005
Test Performing Date	:	November. 02, 2005
Test Performed	:	SGS Testing Korea tested the sample(s) selected by applicant with following result.
Test Results	:	For further details, please refer to following page.
Comments	:	Buyers are LG, SAMSUNG, SANYO and SONY

SGS Testing Korea Co., Ltd.

Thomas Hwang / Lab. Manager

SBP/mss



Test Report No. F690501/LF-CTS059024

Date : November 10, 2005

Page 2 of 2

Heavy Metal

Test Item(s)	Unit	Test Method	MDL	Result(s)
Cadmium (Cd)	mg/kg	USEPA 3052, ICP-AES	1	N. D.
Lead (Pb)	mg/kg	USEPA 3052, ICP-AES	10	N. D.
Mercury (Hg)	mg/kg	USEPA 3052, ICP-AES	2	N. D.
Hexavalent Chromium (Cr VI)	mg/kg	USEPA 3060A, UV-vis	1	N. D.

Flame Retardants

Test Item(s)	Unit	Test Method	MDL	Result(s)
Monobromobiphenyl	mg/kg	USEPA 3540C, GC/MS	5	N. D.
Dibromobiphenyl	mg/kg	USEPA 3540C, GC/MS	5	N. D.
Tribromobiphenyl	mg/kg	USEPA 3540C, GC/MS	5	N. D.
Tetrabromobiphenyl	mg/kg	USEPA 3540C, GC/MS	5	N. D.
Heptabromobiphenyl	mg/kg	USEPA 3540C, GC/MS	5	N. D.
Hexabromobiphenyl	mg/kg	USEPA 3540C, GC/MS	5	N. D.
Pentabromobiphenyl	mg/kg	USEPA 3540C, GC/MS	5	N. D.
Octabromobiphenyl	mg/kg	USEPA 3540C, GC/MS	5	N. D.
Nonabromobiphenyl	mg/kg	USEPA 3540C, GC/MS	5	N. D.
Decabromobiphenyl	mg/kg	USEPA 3540C, GC/MS	5	N. D.
Monobromobiphenyl ether	mg/kg	USEPA 3540C, GC/MS	5	N. D.
Dibromobiphenyl ether	mg/kg	USEPA 3540C, GC/MS	5	N. D.
Tribromobiphenyl ether	mg/kg	USEPA 3540C, GC/MS	5	N. D.
Tetrabromobiphenyl ether	mg/kg	USEPA 3540C, GC/MS	5	N. D.
Heptabromobiphenyl ether	mg/kg	USEPA 3540C, GC/MS	5	N. D.
Hexabromobiphenyl ether	mg/kg	USEPA 3540C, GC/MS	5	N. D.
Pentabromobiphenyl ether	mg/kg	USEPA 3540C, GC/MS	5	N. D.
Octabromobiphenyl ether	mg/kg	USEPA 3540C, GC/MS	5	N. D.
Nonabromobiphenyl ether	mg/kg	USEPA 3540C, GC/MS	5	N. D.
Decabromobiphenyl ether	mg/kg	USEPA 3540C, GC/MS	5	N. D.

Note: (1) N.D. = Not detected. (<MDL)
(2) MDL = Method Detection Limit

*** End of Report ***

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Test Report No. F690501/LF-CTSGP06-00592

Date: January 16, 2006

Page 1 of 3

To: **MK ELECTRONICS**
316-2,Kumeri
Pogpk-myun
Yongin-city
KYUNGGI-DO
Korea

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

Commodity : GOLD WIRE (4N)
SGS File No. : GP06-00592
Received Date : January 09, 2006
Test Performing Date : January 10, 2006
Test Performed : SGS Testing Korea tested the sample(s) selected by applicant with following results
Test Results : For further details, please refer to following page(s)

Brendan Lee
Monet Jeong
Jully Oh
Jerry Jung
/Testing Person

Jeff Jang / Technical Mgr

SGS Testing Korea Co. Ltd.

Jason Han / Lab Director

**Test Report No. F690501/LF-CTSGP06-00592**

Date: January 16, 2006

Page 2 of 3

Sample No. : GP06-00592.001
Sample Description : GOLD WIRE (4N)
Style/Item No. : N/A

Heavy Metals

Test Items	Unit	Test Method	MDL	Results
Cadmium(Cd)	mg/kg	US EPA 3050B(1996), US EPA 6010B(1996)	0.5	N.D.
Lead (Pb)	mg/kg	US EPA 3050B(1996), US EPA 6010B(1996)	5	N.D.
Mercury (Hg)	mg/kg	US EPA 3052(1996), US EPA 6010B(1996)	2	N.D.
Hexavalent Chromium (Cr VI)	mg/kg	US EPA 3060A(1996), US EPA 7196A(1992)	1	N.D.

Flame Retardants-PBBs/PBDEs

Test Items	Unit	Test Method	MDL	Results
Monobromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Dibromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Tribromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Tetrabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Heptabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Hexabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Pentabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Octabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Nonabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Decabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Monobromobiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Dibromobiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Tribromobiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Tetrabromobiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Heptabromobiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Hexabromobiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Pentabromobiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Octabromobiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Nonabromobiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Decabromobiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.

NOTE: N.D. = Not detected.(<MDL)
ppm = mg/kg
MDL = Method Detection Limit
"- " = No Regulation
** = Qualitative analysis (No Unit)
Negative = Undetectable / Positive = Detectable

Picture of Sample as Received:

*** End ***

NOTE: N.D. = Not detected.(<MDL)
ppm = mg/kg
MDL = Method Detection Limit
"-." = No Regulation
** = Qualitative analysis (No Unit)
Negative = Undetectable / Positive = Detectable



Test Report No. F690501/LF-CTSGPJ06-0121

Date: January 23, 2006

Page 1 of 4

To: **KCC CO., LTD**
846, Yongam-ri
Bongdong-eub
Wanju-gun
Jeonbuk
Korea

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

Commodity : KTMC-1060+

SGS File No. : GPJ06-0121

Received Date : January 16, 2006

Test Performing Date : January 17, 2006

Test Performed : SGS Testing Korea tested the sample(s) selected by applicant with following results

Test Results : For further details, please refer to following page(s)

SGS Testing Korea Co. Ltd.

Jason Han / Lab Director

Jeff Jang / Technical Mgr

**Test Report No. F690501/LF-CTSGPJ06-0121**

Date: January 23, 2006

Page 2 of 4

Sample No. : GPJ06-0121.001

Sample Description : KTMC-1060+

Style/Item No. : N/A

Heavy Metals

Test Items	Unit	Test Method	MDL	Results
Cadmium(Cd)	mg/kg	US EPA 3050B(1996), US EPA 6010B(1996)	0.5	N.D.
Lead (Pb)	mg/kg	US EPA 3050B(1996), US EPA 6010B(1996)	5	12.3
Mercury (Hg)	mg/kg	US EPA 3052(1996), US EPA 6010B(1996)	2	N.D.
Hexavalent Chromium (Cr VI)	mg/kg	US EPA 3060A(1996), US EPA 7196A(1992)	1	N.D.

Flame Retardants-PBBs/PBDEs

Test Items	Unit	Test Method	MDL	Results
Monobromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Dibromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Tribromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Tetrabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Heptabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Hexabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Pentabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Octabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Nonabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Decabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Monobromobiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Dibromobiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Tribromobiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Tetrabromobiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Heptabromobiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Hexabromobiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Pentabromobiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Octabromobiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Nonabromobiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Decabromobiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.

- NOTE: (1) N.D. = Not detected.(<MDL)
(2) ppm = mg/kg
(3) MDL = Method Detection Limit
(4) - = No regulation
(5) ** = Qualitative analysis (No Unit)
(6) Negative = Undetectable / Positive = Detectable

Picture of Sample as Received:

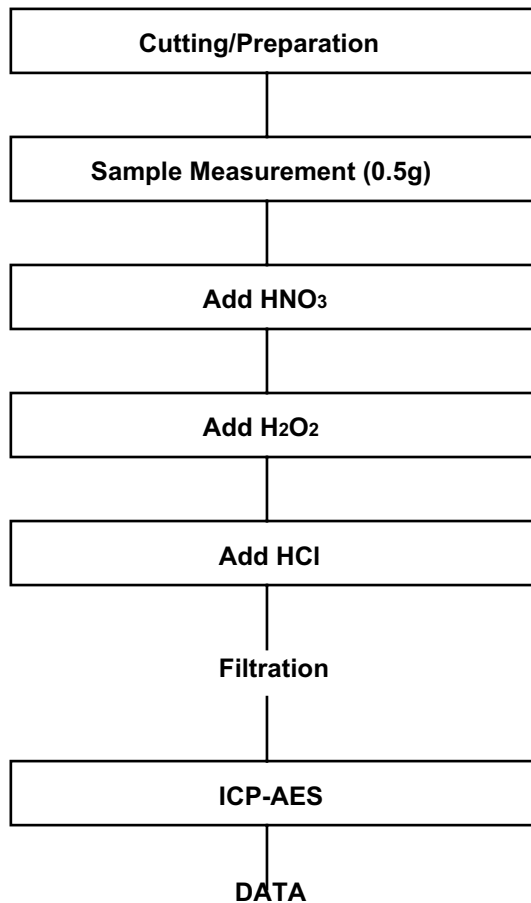


- NOTE:
- (1) N.D. = Not detected.(<MDL)
 - (2) ppm = mg/kg
 - (3) MDL = Method Detection Limit
 - (4) - = No regulation
 - (5) ** = Qualitative analysis (No Unit)
 - (6) Negative = Undetectable / Positive = Detectable



Flow Chart of Digestion

(EPA 3050B for Cd, Pb)



The samples were dissolved by pre-conditioning method according to above flow chart.

Operator Lauren Kim

Section Chief Jeff Jang

*** End ***

- NOTE:
- (1) N.D. = Not detected.(<MDL)
 - (2) ppm = mg/kg
 - (3) MDL = Method Detection Limit
 - (4) - = No regulation
 - (5) ** = Qualitative analysis (No Unit)
 - (6) Negative = Undetectable / Positive = Detectable



SGS Testing Korea Co., Ltd.

#1002-2, Hwasan-ri, Onsan-ub, Uiju-gun, Ulsan, Korea 689-890
Tel : 052)239-6908~10, Fax: 052)239-6913, InterNet>http://www.sgslab.co.kr

Test Report

No. F690501/LF-CTS041566

Date : May 3, 2005

Page 1 of 2

HANDOK METAL CO., LTD.
100-61, Kalsan-dong, Dalseo-ku,
Daegu, Korea

The following merchandise was submitted and identified by the client as :-

Type of Product : Tin Anode
SGS File No. : P-48/2005-0401
Buyer : SAMSUNG
Materials : Tin (Sn)
Sample Receiving Date : Apr. 29, 2005
Test Performing Date : May 02, 2005
Test Performed : SGS Testing Korea tested the sample which was selected by applicant with following result.
Test Results : For further details, please refer to following page.

SGS Testing Korea Co., Ltd.

Thomas Hwang / Lab. Manager

SBP/mss

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Test Report

No. F690501/LF-CTS041566

Date : May 3, 2005

Page 2 of 2

Heavy Metal

Test Item	Unit	Test Method	MDL	Result
Cadmium (Cd)	mg/kg	USEPA 3052, ICP-AES	1	n. d.
Lead (Pb)	mg/kg	USEPA 3052, ICP-AES	10	n. d.
Mercury (Hg)	mg/kg	USEPA 3052, ICP-AES	2	n. d.
Hexavalent Chromium (Cr VI)	mg/kg	USEPA 3060A, UV-Vis	1	n. d.

Note (1) n. d. = Not detected
(2) MDL = Method Detection Limit

***** END *****

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