



Test Report

No. EC412011601

Date: Dec 29 2010

Page 1 of 3

AUPO ELECTRONICS LTD.
ROOM 203, WINFUL CENTRE,
30 SHING YIP STREET,
KWUN TONG, KOWLOON
HONG KONG

The following sample was submitted and identified on behalf of the client as :

"CASE USED IN AUPO AF* / BF* / RY* / AF*X / BF*X / RY*X series (*: 73; 77; 84; 94; 99; 104; 113; 117; 121; 133; 142; 157; 172; 184; 192; 216; 227; 228; 229; 240) TCO" (WITH OR WITHOUT SUFFIX "-I;J;K;L;X;Y" FROM MODELS 73 TO 240)

SGS Job No. : 1430127
PO No : 009
Manufacturer : AUPO ELECTRONICS LTD.
Country of Origin : CHINA
Country of Destination : SONY / JAPAN
Date of Sample(s) Received : DEC 23 2010
Testing Period : DEC 23 - 29 2010

Test Requested : Select test(s) as requested by client.
Test Method : Please refer to next page(s).
Test Result(s) : Please refer to next page(s).

Signed for and on behalf of
SGS Hong Kong Ltd.

Thu Hung Yat, Rodney
Section Manager

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Test Report

No. EC412011601

Date: Dec 29 2010

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Test Results:

ID for sample 1 : 4120116S001
Description for sample 1 : Metal w/ Silvery Plating (Base:Silvery Metal)

SS-00259

<u>Test Item(s)</u>	<u>Unit</u>	<u>Test Method</u>	<u>Results</u>	<u>MDL</u>
Cadmium(Cd)	mg/kg	With reference to IEC 62321:2008, and performed by ICP-OES/AAS	n.d.	2
Lead (Pb)	mg/kg	With reference to IEC 62321:2008, and performed by ICP-OES/AAS	n.d.	5
Mercury (Hg)	mg/kg	With reference to IEC 62321:2008, and performed by ICP-OES/AAS	n.d.	2
Hexavalent Chromium (CrVI) by spot-test/ boiling-water-extraction (optional)		With reference to IEC 62321:2008	Negative	

Note :

- (1) mg/kg = ppm; 0.1wt% = 1000 ppm
- (2) n.d. = not detected
- (3) MDL = Method Detection Limit
- (4) Negative means the absence of CrVI on the tested areas;
Positive means the presence of CrVI on the tested areas.

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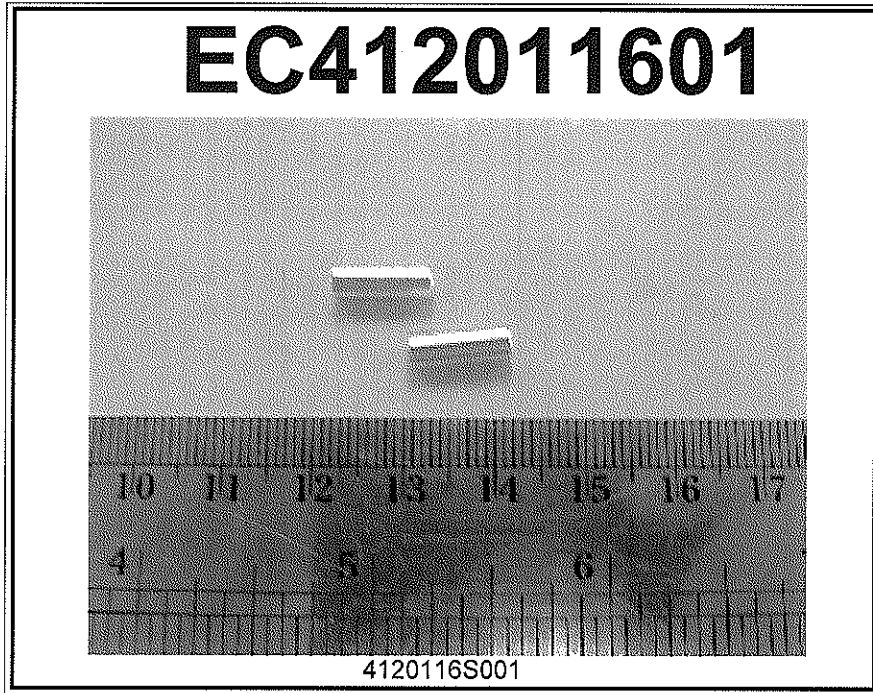
Test Report

No. EC412011601

Date: Dec 29 2010

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Sample photo:



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Test Report

No. EC412011602

Date: Dec 29 2010

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AUPO ELECTRONICS LTD.
ROOM 203, WINFUL CENTRE,
30 SHING YIP STREET,
KWUN TONG, KOWLOON
HONG KONG

The following sample was submitted and identified on behalf of the client as :

"STAR CONTACT AND DISCS USED IN AUPO AF* / BF* / RY* / AF*X / BF*X / RY*X series (*: 73; 77; 84; 94; 99; 104; 113; 117; 121; 133; 142; 157; 172; 184; 192; 216; 227; 228; 229; 240) TCO" (WITH OR WITHOUT SUFFIX "-I;J;K;L;X;Y" FROM MODELS 73 TO 240)

SGS Job No. : 1430127
PO No : 008
Manufacturer : AUPO ELECTRONICS LTD.
Country of Origin : CHINA
Country of Destination : SONY / JAPAN
Date of Sample(s) Received : DEC 23 2010
Testing Period : DEC 23 - 29 2010

Test Requested : Select test(s) as requested by client.
Test Method : Please refer to next page(s).
Test Result(s) : Please refer to next page(s).

Signed for and on behalf of
SGS Hong Kong Ltd.

Thu Hung Yat, Rodney
Section Manager

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No. EC412011602

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Test Results:

ID for sample 1 : 4120116S002

Description for sample 1 : Metal w/ Silvery Plating (Base:Coppery Metal)

SS-00259

<u>Test Item(s)</u>	<u>Unit</u>	<u>Test Method</u>	<u>Results</u>	<u>MDL</u>
Cadmium(Cd)	mg/kg	With reference to IEC 62321:2008, and performed by ICP-OES/AAS	n.d.	2
Lead (Pb)	mg/kg	With reference to IEC 62321:2008, and performed by ICP-OES/AAS	n.d.	5
Mercury (Hg)	mg/kg	With reference to IEC 62321:2008, and performed by ICP-OES/AAS	n.d.	2
Hexavalent Chromium (CrVI) by spot-test/ boiling-water-extraction (optional)		With reference to IEC 62321:2008	Negative	

Note :

- (1) mg/kg = ppm; 0.1wt% = 1000 ppm
- (2) n.d. = not detected
- (3) MDL = Method Detection Limit
- (4) Negative means the absence of CrVI on the tested areas;
Positive means the presence of CrVI on the tested areas.

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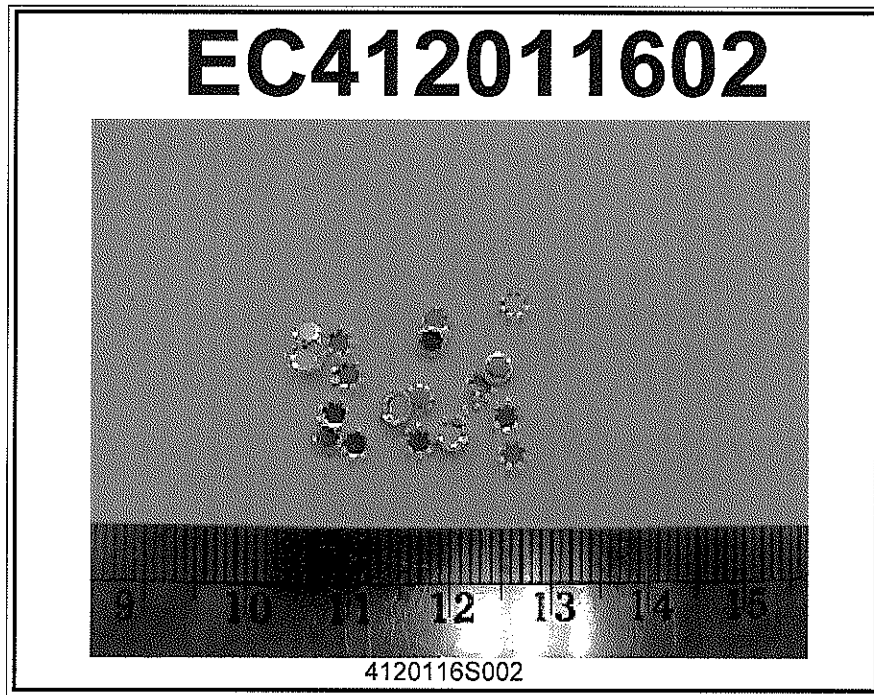
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Test Report

No. EC412011603

Date: Dec 29 2010

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AUPO ELECTRONICS LTD.
ROOM 203, WINFUL CENTRE,
30 SHING YIP STREET,
KWUN TONG, KOWLOON
HONG KONG

The following sample was submitted and identified on behalf of the client as :

"SPRING USED IN AUPO AF* / BF* / RY* / AF*X / BF*X / RY*X series (*: 73; 77; 84; 94; 99; 104; 113; 117; 121; 133; 142; 157; 172; 184; 192; 216; 227; 228; 229; 240) TCO" (WITH OR WITHOUT SUFFIX "-I;J;K;L;X;Y" FROM MODELS 73 TO 240)

SGS Job No. : 1430127
PO No : 007
Manufacturer : AUPO ELECTRONICS LTD.
Country of Origin : CHINA
Country of Destination : SONY / JAPAN
Date of Sample(s) Received : DEC 23 2010
Testing Period : DEC 23 - 29 2010

Test Requested : Select test(s) as requested by client.
Test Method : Please refer to next page(s).
Test Result(s) : Please refer to next page(s).

Signed for and on behalf of
SGS Hong Kong Ltd.

Thu Hung Yat, Rodney
Section Manager

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Test Report

No. EC412011603

Date: Dec 29 2010

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Test Results:

ID for sample 1 : 4120116S003
Description for sample 1 : Dark Silvery Metal

SS-00259

<u>Test Item(s)</u>	<u>Unit</u>	<u>Test Method</u>	<u>Results</u>	<u>MDL</u>
Cadmium(Cd)	mg/kg	With reference to IEC 62321:2008, and performed by ICP-OES/AAS	n.d.	2
Lead (Pb)	mg/kg	With reference to IEC 62321:2008, and performed by ICP-OES/AAS	12	5
Mercury (Hg)	mg/kg	With reference to IEC 62321:2008, and performed by ICP-OES/AAS	n.d.	2
Hexavalent Chromium (CrVI) by spot-test/ boiling-water-extraction (optional)		With reference to IEC 62321:2008	Negative	

Note :

- (1) mg/kg = ppm; 0.1wt% = 1000 ppm
- (2) n.d. = not detected
- (3) MDL = Method Detection Limit
- (4) Negative means the absence of CrVI on the tested areas;
Positive means the presence of CrVI on the tested areas.

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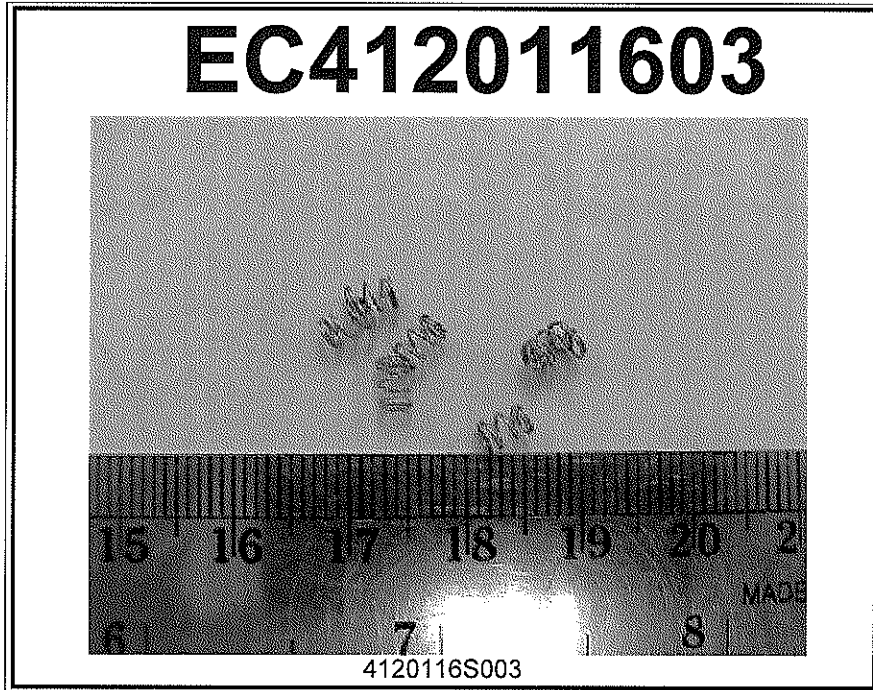
Test Report

No. EC412011603

Date: Dec 29 2010

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Sample photo:



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Test Report

No. EC412011608

Date: Dec 29 2010

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AUPO ELECTRONICS LTD.
ROOM 203, WINFUL CENTRE,
30 SHING YIP STREET,
KWUN TONG, KOWLOON
HONG KONG

The following sample was submitted and identified on behalf of the client as :

"CERAMIC CASE USED IN AUPO P1, P2, P3, P4, P5, P7, P9, P10, P12; P1-1A, P2-1A, P3-1A, P4-1A, P5-1A, P7-1A, P9-1A, P10-1A, P12-1A; P0-3A, P1-3A, P2-3A, P3-3A, P4-3A, P5-3A, P7-3A, P9-3A, P12-3A; P0-5A, P1-5A, P2-5A, P3-5A, P4-5A, P5-5A, P7-5A, P9-5A, P12-5A; (WITH OR WITHOUT SUFFIX "-F" FROM MODELS P1 TO P12-5A)
RH102-1A/P, RH115-1A/P, RH125-1A/P, RH130-1A/P, RH135-1A/P, RH138-1A/P, RH145-1A/P, RH150-1A/P TCO and
CERAMIC BUSHING USED IN AUPO AF* / BF* / RY* / AF*X / BF*X / RY*X series (*: 73; 77; 84; 94; 99; 104; 113; 117; 121; 133; 142; 157; 172; 184; 192; 216; 227; 228; 229; 240) TCO" (WITH OR WITHOUT SUFFIX "-I;J;K;L;X;Y" FROM MODELS 73 TO 240)

SGS Job No. : 1430127
PO No : 005
Manufacturer : AUPO ELECTRONICS LTD.
Country of Origin : CHINA
Country of Destination : SONY / JAPAN
Date of Sample(s) Received : DEC 23 2010
Testing Period : DEC 23 - 29 2010

Test Requested : Select test(s) as requested by client.
Test Method : Please refer to next page(s).

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H22959220



Test Report

No. EC412011608

Date: Dec 29 2010

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Test Result(s) : Please refer to next page(s).

Signed for and on behalf of
SGS Hong Kong Ltd.

Thu Hung Yat, Rodney
Section Manager

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Test Report

No. EC412011608

Date: Dec 29 2010

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Test Results:

ID for sample 1 : 4120116S008

Description for sample 1 : White Ceramic

SS-00259

<u>Test Item(s)</u>	<u>Unit</u>	<u>Test Method</u>	<u>Results</u>	<u>MDL</u>
Cadmium (Cd)	mg/kg	With reference to IEC 62321:2008, and performed by ICP-OES/AAS	n.d.	2
Lead (Pb)	mg/kg	With reference to IEC 62321:2008, and performed by ICP-OES/AAS	12	2
Mercury (Hg)	mg/kg	With reference to IEC 62321:2008, and performed by ICP-OES/AAS	n.d.	2
Hexavalent Chromium (CrVI)	mg/kg	With reference to IEC 62321:2008, and performed by UV-VIS	n.d.	2
Monobromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Dibromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Tribromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Tetrabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Pentabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Hexabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Heptabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Octabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Nonabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Decabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Monobromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Dibromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Tribromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Tetrabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Pentabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5

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H22959222



Test Report

No. EC412011608

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Hexabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Heptabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Octabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Nonabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Decabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5

Note :

- (1) mg/kg = ppm; 0.1wt% = 1000 ppm
- (2) n.d. = not detected
- (3) MDL = Method Detection Limit

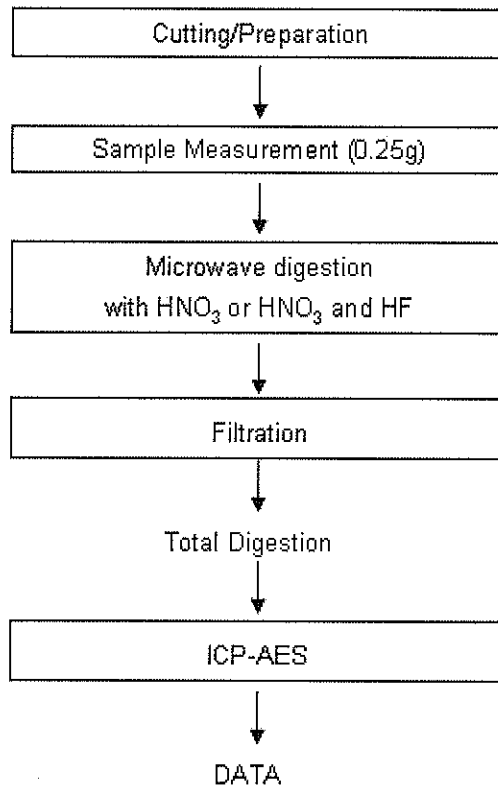
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H22959223

Flowchart of Digestion for Pb and Cd Measurement

Method: IEC62321: 2008 (No residue)



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

Operator : Chiu Kan Yuen

Section Chief : Thu Hung Yat, Rodney

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Test Report

No. EC412011608

Date: Dec 29 2010

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Sample photo:



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Test Report

No. EC412011604

Date: Dec 29 2010

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AUPO ELECTRONICS LTD.
ROOM 203, WINFUL CENTRE,
30 SHING YIP STREET,
KWUN TONG, KOWLOON
HONG KONG

The following sample was submitted and identified on behalf of the client as :

"LEAD WIRE USED IN AUPO A1, A2, A3, A4, A5, A7, A8, A12; A1-1A, A2-1A, A3-1A, A4-1A, A5-1A, A7-1A, A8-1A, A12-1A; A0-3A, A1-3A, A2-3A, A3-3A, A4-3A, A5-3A, A7-3A, A8-3A, A12-3A; A0-5A, A1-5A, A2-5A, A3-5A, A4-5A, A5-5A, A7-5A, A8-5A, A12-5A; (WITH OR WITHOUT SUFFIX "-F" FROM MODELS A1 TO A12-5A)
B1, B2, B3, B4, B5, B7, B8, B12; B1-1A, B2-1A, B3-1A, B4-1A, B5-1A, B7-1A, B8-1A, B12-1A; S1, S2, S3, S4, S5, S7, S8, S12; RH102, RH115, RH125, RH130, RH135, RH138, RH145, RH150; RH102-1A, RH115-1A, RH125-1A, RH130-1A, RH135-1A, RH138-1A, RH145-1A, RH150-1A;
P1, P2, P3, P4, P5, P7, P9, P10, P12; P1-1A, P2-1A, P3-1A, P4-1A, P5-1A, P7-1A, P9-1A, P10-1A, P12-1A
P0-3A, P1-3A, P2-3A, P3-3A, P4-3A, P5-3A, P7-3A, P9-3A, P12-3A; P0-5A, P1-5A, P2-5A, P3-5A, P4-5A, P5-5A, P7-5A, P9-5A, P12-5A; (WITH OR WITHOUT SUFFIX "-F" FROM MODELS P1 TO P12-5A)
RH102-1A/P, RH115-1A/P, RH125-1A/P, RH130-1A/P, RH135-1A/P, RH138-1A/P, RH145-1A/P, RH150-1A/P TCO AND
LEAD WIRE USED IN AF* / BF* / RY* / AF*X / BF*X / RY*X series (*: 73; 77; 84; 94; 99; 104; 113; 117; 121; 133; 142; 157; 172; 184; 192; 216; 227; 228; 229; 240) TCO"(WITH OR WITHOUT SUFFIX "-I;J;K;L;X;Y" FROM MODELS 73 TO 240)

SGS Job No. : 1430127
PO No : 003
Manufacturer : AUPO ELECTRONICS LTD.
Country of Origin : CHINA
Country of Destination : SONY / JAPAN
Date of Sample(s) Received : DEC 23 2010
Testing Period : DEC 23 - 29 2010

Test Requested : Select test(s) as requested by client.
Test Method : Please refer to next page(s).

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H22959198



Test Report

No. EC412011604

Date: Dec 29 2010

Page 2 of 4

Test Result(s) : Please refer to next page(s).

Signed for and on behalf of
SGS Hong Kong Ltd.

Thu Hung Yat, Rodney
Section Manager

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Test Report

No. EC412011604

Date: Dec 29 2010

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Test Results:

ID for sample 1 : 4120116S004

Description for sample 1 : Metal w/ Silvery Plating (Base:Coppery Metal)

SS-00259

<u>Test Item(s)</u>	<u>Unit</u>	<u>Test Method</u>	<u>Results</u>	<u>MDL</u>
Cadmium(Cd)	mg/kg	With reference to IEC 62321:2008, and performed by ICP-OES/AAS	n.d.	2
Lead (Pb)	mg/kg	With reference to IEC 62321:2008, and performed by ICP-OES/AAS	n.d.	5
Mercury (Hg)	mg/kg	With reference to IEC 62321:2008, and performed by ICP-OES/AAS	n.d.	2
Hexavalent Chromium (CrVI) by spot-test/ boiling-water-extraction (optional)		With reference to IEC 62321:2008	Negative	

Note :

- (1) mg/kg = ppm; 0.1wt% = 1000 ppm
- (2) n.d. = not detected
- (3) MDL = Method Detection Limit
- (4) Negative means the absence of CrVI on the tested areas;
Positive means the presence of CrVI on the tested areas.

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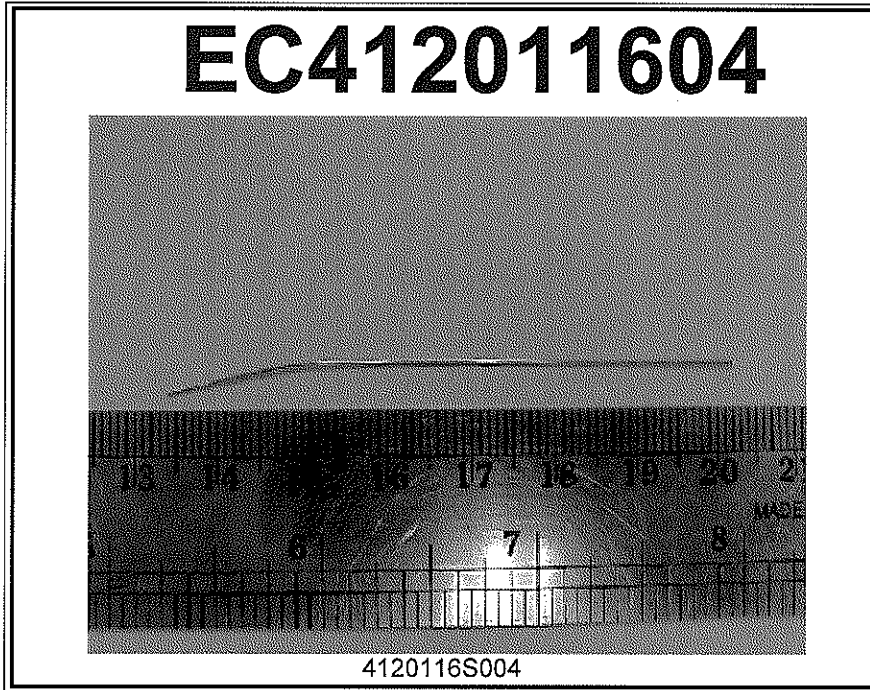
Test Report

No. EC412011604

Date: Dec 29 2010

Page 4 of 4

Sample photo:



SGS authenticate the photo on original report only
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Test Report

No. EC412011606

Date: Dec 29 2010

Page 1 of 6

AUPO ELECTRONICS LTD.
ROOM 203, WINFUL CENTRE,
30 SHING YIP STREET,
KWUN TONG, KOWLOON
HONG KONG

The following sample was submitted and identified on behalf of the client as :

"EPOXY USED IN AUPO A1, A2, A3, A4, A5, A7, A8, A12; A1-1A, A2-1A, A3-1A, A4-1A, A5-1A, A7-1A, A8-1A, A12-1A; A0-3A, A1-3A, A2-3A, A3-3A, A4-3A, A5-3A, A7-3A, A8-3A, A12-3A; A0-5A, A1-5A, A2-5A, A3-5A, A4-5A, A5-5A, A7-5A, A8-5A, A12-5A; (WITH OR WITHOUT SUFFIX "-F" FROM MODELS A1 TO A12-5A)
B1, B2, B3, B4, B5, B7, B8, B12; B1-1A, B2-1A, B3-1A, B4-1A, B5-1A, B7-1A, B8-1A, B12-1A; S1, S2, S3, S4, S5, S7, S8, S12; RH102, RH115, RH125, RH130, RH135, RH138, RH145, RH150; RH102-1A, RH115-1A, RH125-1A, RH130-1A, RH135-1A, RH138-1A, RH145-1A, RH150-1A AND AF* / BF* / RY* series (*: 73; 77; 84; 94; 99; 104; 113; 117; 121; 133; 142; 157; 172; 184; 192; 216; 227; 228; 229; 240) TCO" (WITH OR WITHOUT SUFFIX "-I;J;K;L;X;Y" FROM MODELS 73 TO 240)

SGS Job No. : 1430127
PO No : 002
Manufacturer : AUPO ELECTRONICS LTD.
Country of Origin : CHINA
Country of Destination : SONY / JAPAN
Date of Sample(s) Received : DEC 23 2010
Testing Period : DEC 23 - 29 2010

Test Requested : Select test(s) as requested by client.
Test Method : Please refer to next page(s).

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H22959208



Test Report

No. EC412011606

Date: Dec 29 2010

Page 2 of 6

Test Result(s) : Please refer to next page(s).

Signed for and on behalf of
SGS Hong Kong Ltd.

Thu Hung Yat, Rodney
Section Manager

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Test Report

No. EC412011606

Date: Dec 29 2010

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Test Results:

ID for sample 1 : 4120116S006

Description for sample 1 : Black Plastic

SS-00259

<u>Test Item(s)</u>	<u>Unit</u>	<u>Test Method</u>	<u>Results</u>	<u>MDL</u>
Cadmium (Cd)	mg/kg	With reference to IEC 62321:2008, and performed by ICP-OES/AAS	n.d.	2
Lead (Pb)	mg/kg	With reference to IEC 62321:2008, and performed by ICP-OES/AAS	n.d.	2
Mercury (Hg)	mg/kg	With reference to IEC 62321:2008, and performed by ICP-OES/AAS	n.d.	2
Hexavalent Chromium (CrVI)	mg/kg	With reference to IEC 62321:2008, and performed by UV-VIS	n.d.	2
Monobromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Dibromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Tribromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Tetrabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Pentabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Hexabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Heptabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Octabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Nonabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Decabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Monobromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Dibromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Tribromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Tetrabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Pentabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5

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H22959210



Test Report

No. EC412011606

Date: Dec 29 2010

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Hexabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Heptabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Octabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Nonabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Decabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5

Note :

- (1) mg/kg = ppm; 0.1wt% = 1000 ppm
- (2) n.d. = not detected
- (3) MDL = Method Detection Limit

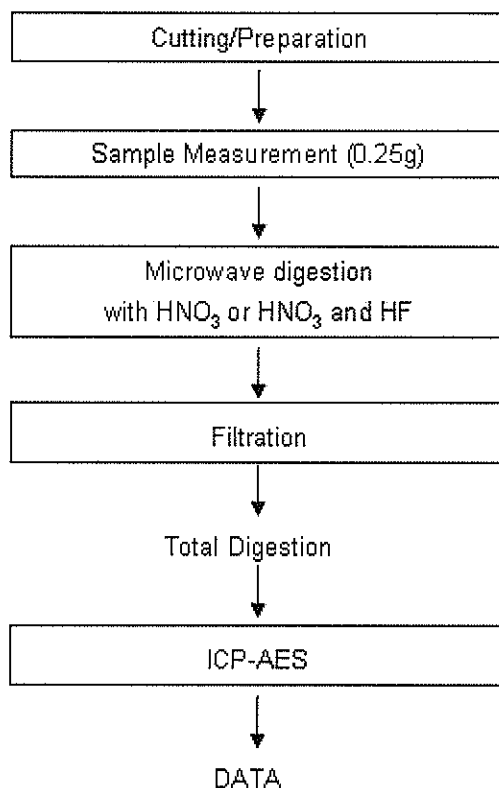
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H22959211

Flowchart of Digestion for Pb and Cd Measurement

Method: IEC62321: 2008 (No residue)



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

Operator : Chiu Kan Yuen

Section Chief : Thu Hung Yat, Rodney

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H22959212

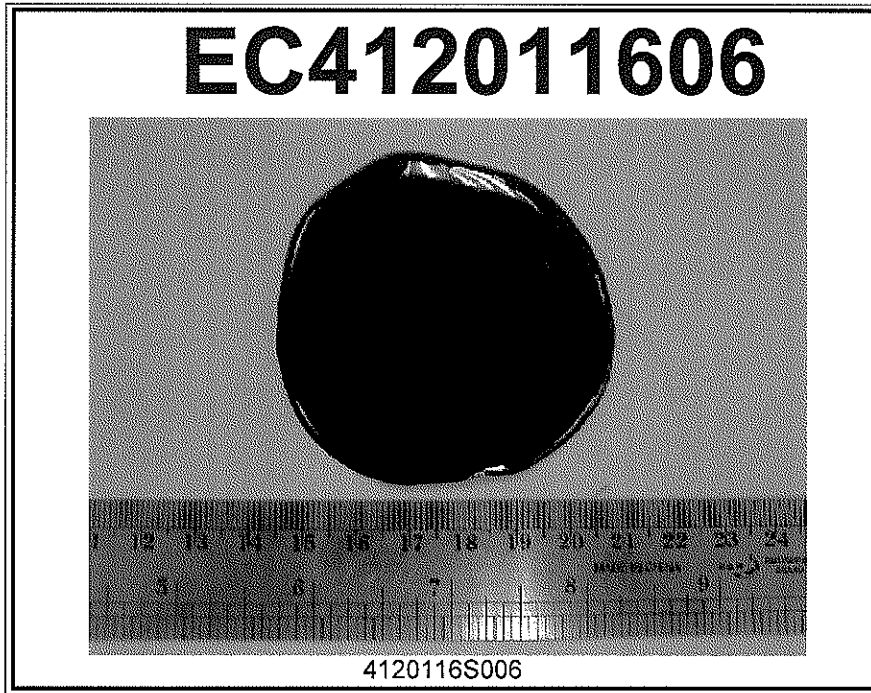
Test Report

No. EC412011606

Date: Dec 29 2010

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Sample photo:



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