



Test Report

No. : CE/2011/C5458 Date : 2012/01/03 Page : 1 of 7

AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

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

Sample Description	:	TAJ SERIES
Style/Item No.	:	TANTALUM DIVISION
Sample Receiving Date	:	2011/12/28
Testing Period	:	2011/12/28 TO 2012/01/03

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



Chenyu Kung / Operation Manager
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory – Taipei

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7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

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Test Result(s)

PART NAME No.1 : MIXED ALL PARTS

Test Item(s)	Unit	Method	MDL	Result
				No.1
Cadmium (Cd)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
Lead (Pb)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
Mercury (Hg)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
Hexavalent Chromium Cr(VI)	mg/kg	With reference to IEC 62321: 2008 and performed by UV-VIS.	2	n.d.
Halogen-Chlorine (Cl) (CAS No.: 22537-15-1)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	n.d.
Halogen-Bromine (Br) (CAS No.: 10097-32-2)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	n.d.
Sum of PBBs			-	n.d.
Monobromobiphenyl	mg/kg	With reference to IEC 62321: 2008 and performed by GC/MS.	5	n.d.
Dibromobiphenyl			5	n.d.
Tribromobiphenyl			5	n.d.
Tetrabromobiphenyl			5	n.d.
Pentabromobiphenyl			5	n.d.
Hexabromobiphenyl			5	n.d.
Heptabromobiphenyl			5	n.d.
Octabromobiphenyl			5	n.d.
Nonabromobiphenyl			5	n.d.
Decabromobiphenyl			5	n.d.

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AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

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Test Item(s)	Unit	Method	MDL	Result
				No.1
Sum of PBDEs	mg/kg	With reference to IEC 62321: 2008 and performed by GC/MS.	-	n.d.
Monobromodiphenyl ether			5	n.d.
Dibromodiphenyl ether			5	n.d.
Tribromodiphenyl ether			5	n.d.
Tetrabromodiphenyl ether			5	n.d.
Pentabromodiphenyl ether			5	n.d.
Hexabromodiphenyl ether			5	n.d.
Heptabromodiphenyl ether			5	n.d.
Octabromodiphenyl ether			5	n.d.
Nonabromodiphenyl ether			5	n.d.
Decabromodiphenyl ether			5	n.d.

Note :

- 1. mg/kg = ppm : 0.1wt% = 1000ppm
- 2. n.d. = Not Detected
- 3. MDL = Method Detection Limit
- 4. " - " = Not Regulated
- 5. The sample(s) was/were analyzed on behalf of the applicant as mixing sample in one testing. The above result(s) was/were only given as the informality value.

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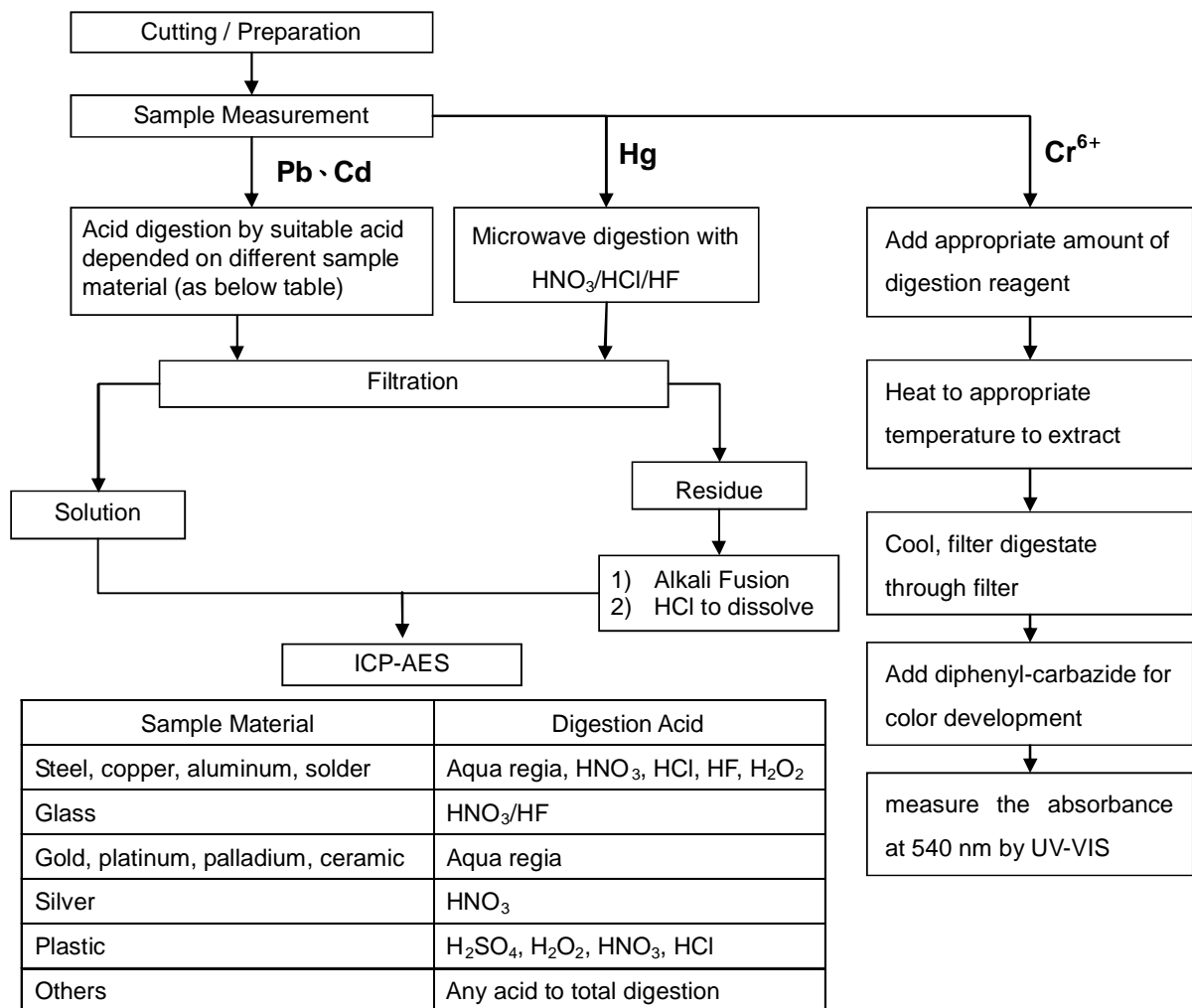
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7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

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- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart.
(Cr⁶⁺ test method excluded)
- 2) Name of the person who made measurement: Climbgreat Yang
- 3) Name of the person in charge of measurement: Troy Chang



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Test Report

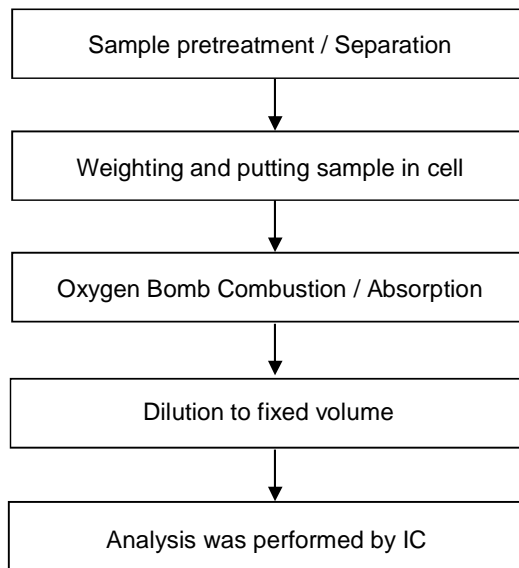
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 7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

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Analytical flow chart of halogen content

- 1) Name of the person who made measurement: Rita Chen
- 2) Name of the person in charge of measurement: Troy Chang



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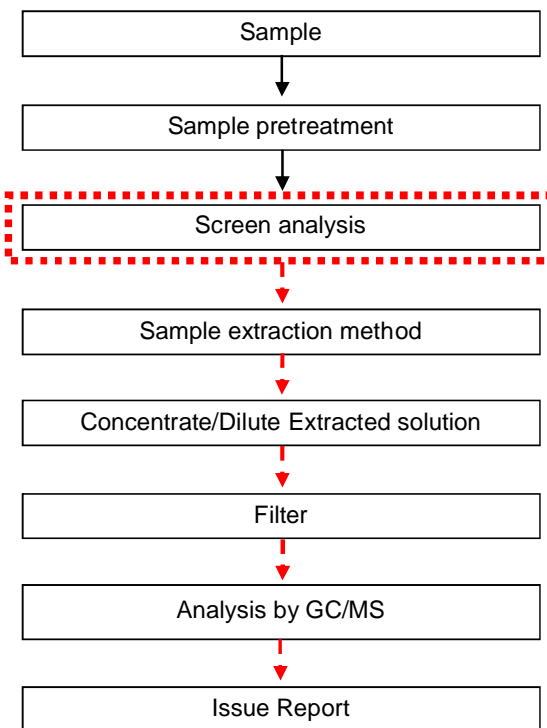
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Analytical flow chart

- Name of the person who made measurement: Roman Wong
- Name of the person in charge of measurement: Troy Chang

[Test Items: PBB/PBDE, TBBP-A-bis]

First testing process —> Optional screen process Confirmation process ->



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Test Report

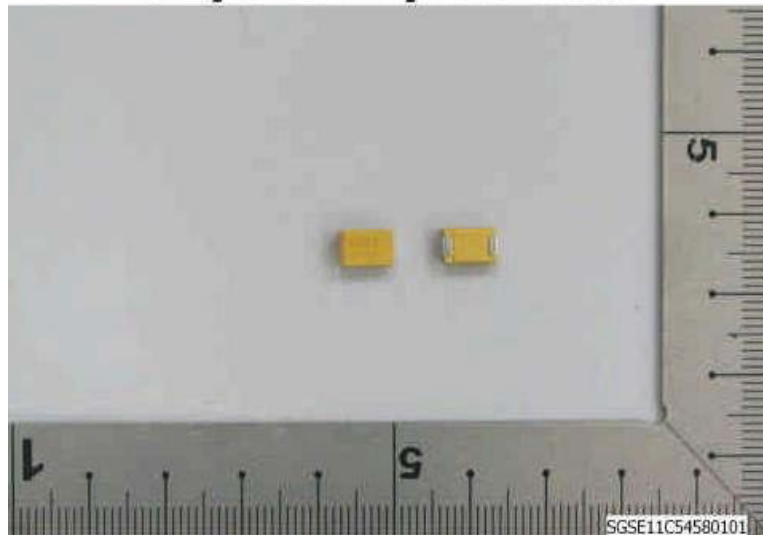
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* The tested sample / part is marked by an arrow if it's shown on the photo. *

CE/2011/C5458



** End of Report **

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AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

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

Sample Description	:	TANTALUM POWDER I.
Style/Item No.	:	TANTALUM DIVISION
Sample Receiving Date	:	2011/12/28
Testing Period	:	2011/12/28 TO 2012/01/03

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



Chenyu Kung / Operation Manager
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory – Taipei

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Test Result(s)

PART NAME No.1 : BLACK POWDER

Test Item(s)	Unit	Method	MDL	Result
				No.1
Cadmium (Cd)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
Lead (Pb)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
Mercury (Hg)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
Hexavalent Chromium Cr(VI)	mg/kg	With reference to IEC 62321: 2008 and performed by UV-VIS.	2	n.d.
Halogen-Chlorine (Cl) (CAS No.: 22537-15-1)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	n.d.
Halogen-Bromine (Br) (CAS No.: 10097-32-2)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	n.d.
Sum of PBBs			-	n.d.
Monobromobiphenyl	mg/kg	With reference to IEC 62321: 2008 and performed by GC/MS.	5	n.d.
Dibromobiphenyl			5	n.d.
Tribromobiphenyl			5	n.d.
Tetrabromobiphenyl			5	n.d.
Pentabromobiphenyl			5	n.d.
Hexabromobiphenyl			5	n.d.
Heptabromobiphenyl			5	n.d.
Octabromobiphenyl			5	n.d.
Nonabromobiphenyl			5	n.d.
Decabromobiphenyl			5	n.d.

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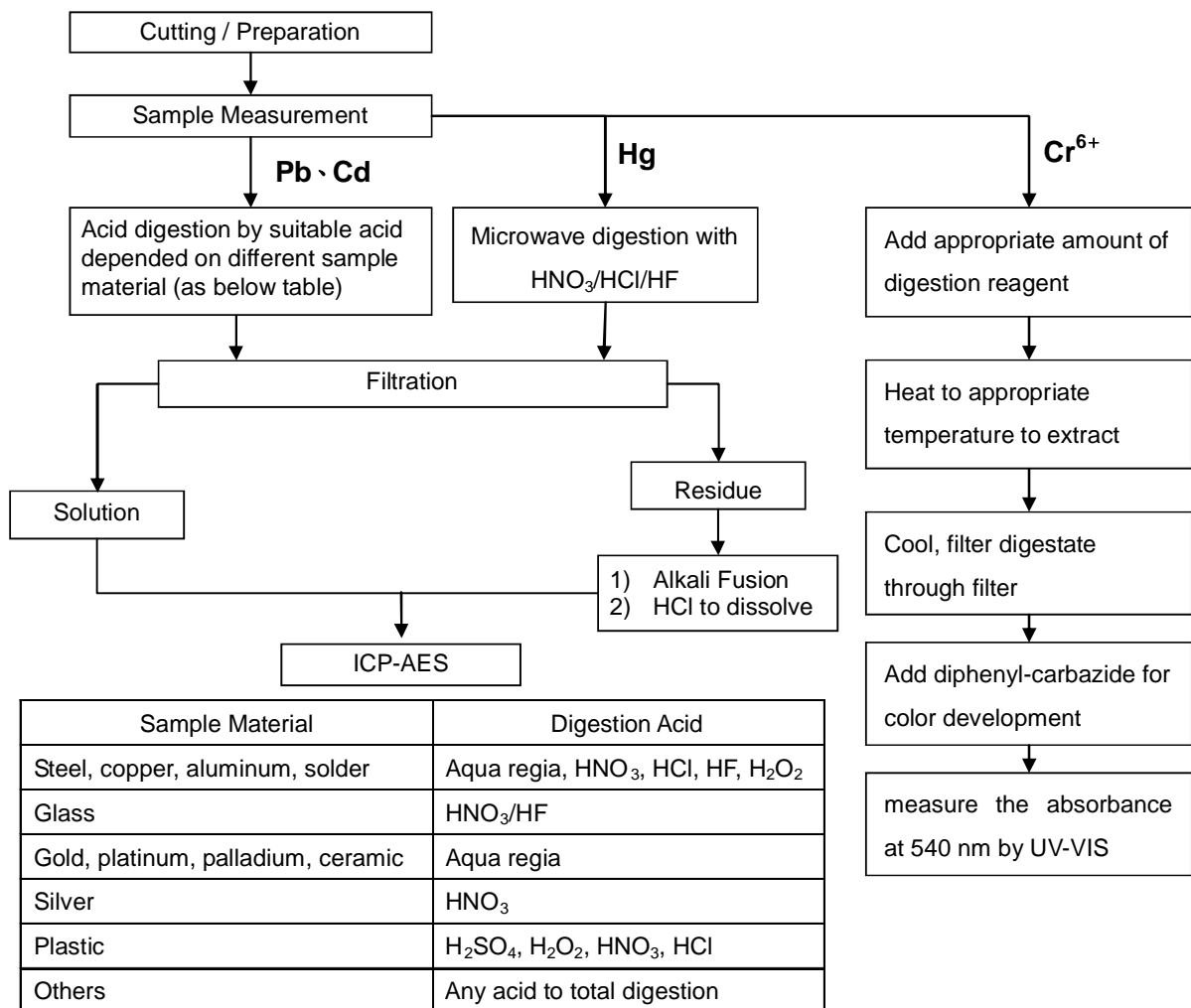
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7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

G&(L?>>L&BA?CG

- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr⁶⁺ test method excluded)
- 2) Name of the person who made measurement: Climbgreat Yang
- 3) Name of the person in charge of measurement: Troy Chang



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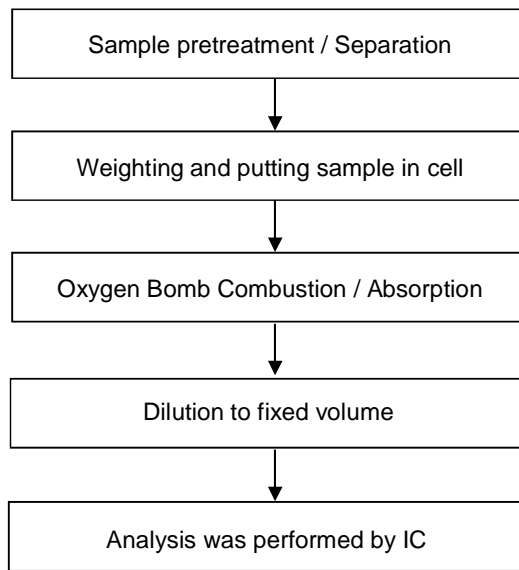
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AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
 7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

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Analytical flow chart of halogen content

- 1) Name of the person who made measurement: Rita Chen
- 2) Name of the person in charge of measurement: Troy Chang



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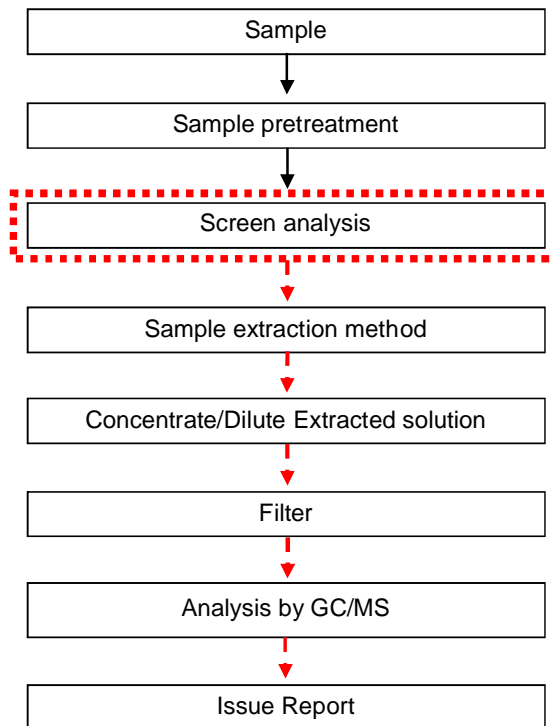
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Analytical flow chart

- Name of the person who made measurement: Roman Wong
- Name of the person in charge of measurement: Troy Chang

[Test Items: PBB/PBDE, TBBP-A-bis]

First testing process —> Optional screen process Confirmation process ->



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7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

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

Sample Description	:	TA WIRE
Style/Item No.	:	TANTALUM DIVISION
Sample Receiving Date	:	2011/12/28
Testing Period	:	2011/12/28 TO 2012/01/03

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




Chenyu Kung / Operation Manager
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory – Taipei

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SGS TAIWAN LTD. 11491 NEIHU, TAIPEI, TAIWAN



Test Report

No. : CE/2011/C5491 Date : 2012/01/03 Page : 2 of 7

AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

G&(L?>>L&BAF>G

Test Result(s)

PART NAME No.1 : SILVER COLORED METAL WIRE

Test Item(s)	Unit	Method	MDL	Result
				No.1
Cadmium (Cd)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
Lead (Pb)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
Mercury (Hg)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
Hexavalent Chromium Cr(VI)	**	With reference to IEC 62321: 2008 and performed by Boiling water extraction Method.	#	Negative
Halogen-Chlorine (Cl) (CAS No.: 22537-15-1)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	n.d.
Halogen-Bromine (Br) (CAS No.: 10097-32-2)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	n.d.
Sum of PBBs			-	n.d.
Monobromobiphenyl	mg/kg	With reference to IEC 62321: 2008 and performed by GC/MS.	5	n.d.
Dibromobiphenyl			5	n.d.
Tribromobiphenyl			5	n.d.
Tetrabromobiphenyl			5	n.d.
Pentabromobiphenyl			5	n.d.
Hexabromobiphenyl			5	n.d.
Heptabromobiphenyl			5	n.d.
Octabromobiphenyl			5	n.d.
Nonabromobiphenyl			5	n.d.
Decabromobiphenyl			5	n.d.

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Test Report

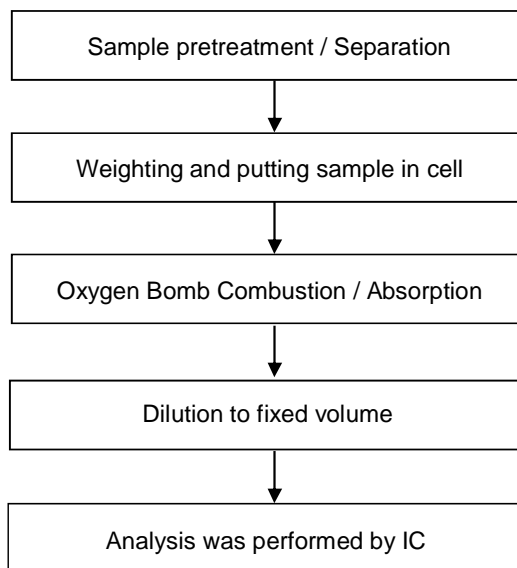
No. : CE/2011/C5491 Date : 2012/01/03 Page : 5 of 7

AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

G&(L?>>L&BAF>G

Analytical flow chart of halogen content

- 1) Name of the person who made measurement: Rita Chen
- 2) Name of the person in charge of measurement: Troy Chang



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AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

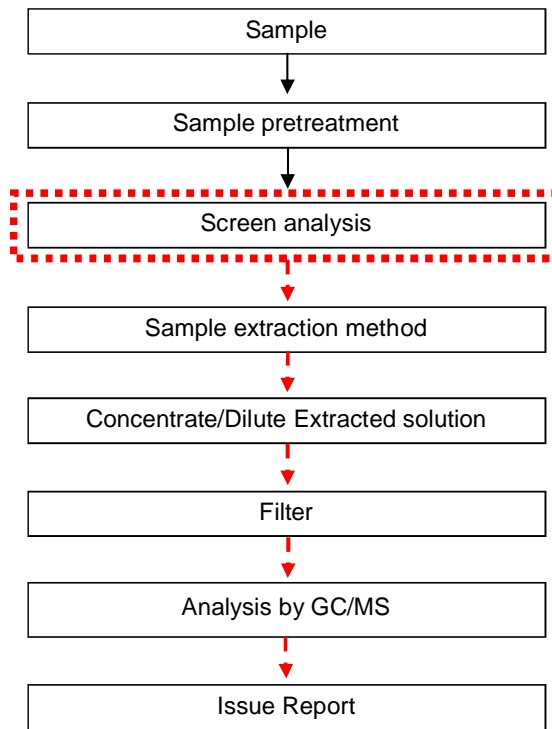
G& (L? \$ >> L&BAF > G

Analytical flow chart

- Name of the person who made measurement: Roman Wong
- Name of the person in charge of measurement: Troy Chang

【 Test Items: PBB/PBDE, TBBP-A-bis 】

First testing process —> Optional screen process Confirmation process - .>



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Test Report

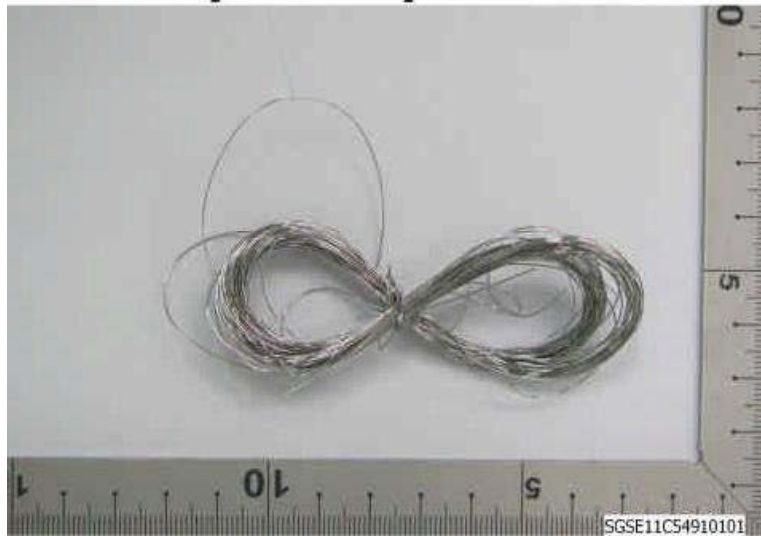
No. : CE/2011/C5491 Date : 2012/01/03 Page : 7 of 7

AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

G&(L?>>L&BAF>G

* The tested sample / part is marked by an arrow if it's shown on the photo. *

CE/2011/C5491



** End of Report **

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Test Report

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7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

G&(L?>>L&B@FDG

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

Sample Description	:	MANGANESE NITRATE
Style/Item No.	:	TANTALUM DIVISION
Sample Receiving Date	:	2011/12/28
Testing Period	:	2011/12/28 TO 2012/01/03

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



Chenyu Kung / Operation Manager
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory – Taipei

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Test Report

No. : CE/2011/C5397 Date : 2012/01/03 Page : 2 of 7

AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

G&(L?>>L&B@FDG

Test Result(s)

PART NAME No.1 : PINK LUMP

Test Item(s)	Unit	Method	MDL	Result
				No.1
Cadmium (Cd)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
Lead (Pb)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
Mercury (Hg)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
Hexavalent Chromium Cr(VI)	mg/kg	With reference to IEC 62321: 2008 and performed by UV-VIS.	2	n.d.
Halogen-Chlorine (Cl) (CAS No.: 22537-15-1)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	n.d.
Halogen-Bromine (Br) (CAS No.: 10097-32-2)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	n.d.
Sum of PBBs			-	n.d.
Monobromobiphenyl	mg/kg	With reference to IEC 62321: 2008 and performed by GC/MS.	5	n.d.
Dibromobiphenyl			5	n.d.
Tribromobiphenyl			5	n.d.
Tetrabromobiphenyl			5	n.d.
Pentabromobiphenyl			5	n.d.
Hexabromobiphenyl			5	n.d.
Heptabromobiphenyl			5	n.d.
Octabromobiphenyl			5	n.d.
Nonabromobiphenyl			5	n.d.
Decabromobiphenyl			5	n.d.

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11491 Neihu, Taipei, Taiwan
RuiGuang Road, Lane 258, No. 56, 7F-1

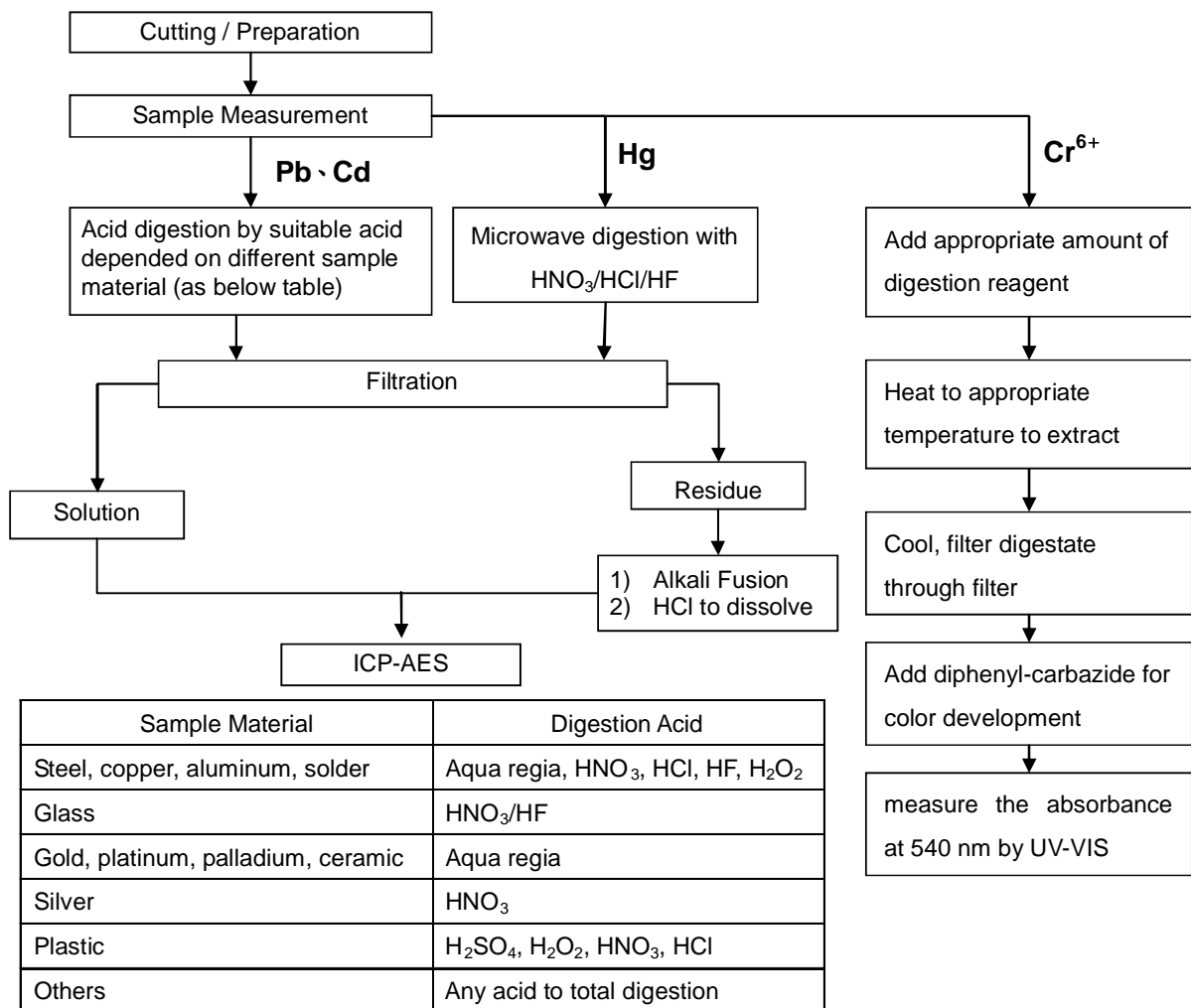
Test Report

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AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

G&(L?>>L&B@FDG

- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr⁶⁺ test method excluded)
- 2) Name of the person who made measurement: Climbgreat Yang
- 3) Name of the person in charge of measurement: Troy Chang



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Test Report

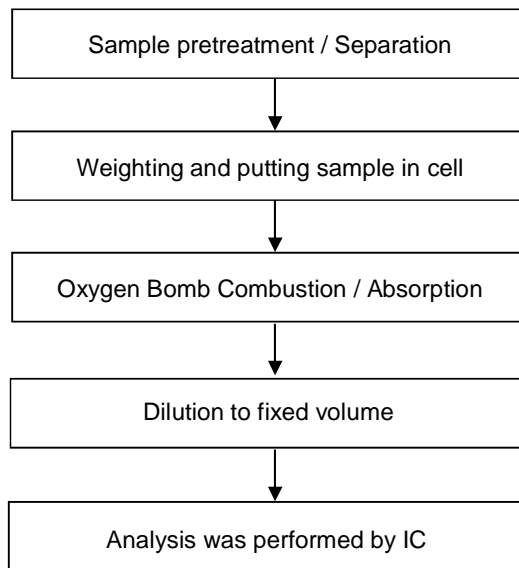
No. : CE/2011/C5397 Date : 2012/01/03 Page : 5 of 7

AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

G&(L?>>L&B@FDG

Analytical flow chart of halogen content

- 1) Name of the person who made measurement: Rita Chen
- 2) Name of the person in charge of measurement: Troy Chang



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7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

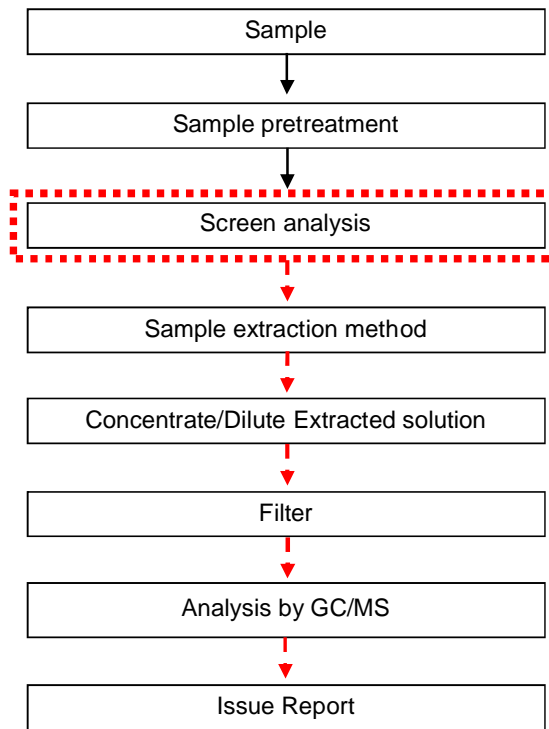
G&(L?>>L&B@FDG

Analytical flow chart

- Name of the person who made measurement: Roman Wong
- Name of the person in charge of measurement: Troy Chang

[Test Items: PBB/PBDE, TBBP-A-bis]

First testing process —> Optional screen process Confirmation process ->



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7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

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* The tested sample / part is marked by an arrow if it's shown on the photo. *

CE/2011/C5397



CE/2011/C5397



** End of Report **

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AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

G&(L?>>L&B@FAG

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

Sample Description	:	GRAPHITE STD.
Style/Item No.	:	TANTALUM DIVISION
Sample Receiving Date	:	2011/12/28
Testing Period	:	2011/12/28 TO 2012/01/03

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



Chenyu Kung / Operation Manager
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory – Taipei

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7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

G&(L?>>L&B@FAG

Test Result(s)

PART NAME No.1 : BLACK LIQUID

Test Item(s)	Unit	Method	MDL	Result
				No.1
Cadmium (Cd)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
Lead (Pb)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
Mercury (Hg)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
Hexavalent Chromium Cr(VI)	mg/kg	With reference to IEC 62321: 2008 and performed by UV-VIS.	2	n.d.
Halogen-Chlorine (Cl) (CAS No.: 22537-15-1)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	n.d.
Halogen-Bromine (Br) (CAS No.: 10097-32-2)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	n.d.
Sum of PBBs			-	n.d.
Monobromobiphenyl	mg/kg	With reference to IEC 62321: 2008 and performed by GC/MS.	5	n.d.
Dibromobiphenyl			5	n.d.
Tribromobiphenyl			5	n.d.
Tetrabromobiphenyl			5	n.d.
Pentabromobiphenyl			5	n.d.
Hexabromobiphenyl			5	n.d.
Heptabromobiphenyl			5	n.d.
Octabromobiphenyl			5	n.d.
Nonabromobiphenyl			5	n.d.
Decabromobiphenyl			5	n.d.

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Test Report

No. : CE/2011/C5394 Date : 2012/01/03 Page : 3 of 7

AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

G&(L?>>L&B@FAG

Test Item(s)	Unit	Method	MDL	Result
				No.1
Sum of PBDEs	mg/kg	With reference to IEC 62321: 2008 and performed by GC/MS.	-	n.d.
Monobromodiphenyl ether			5	n.d.
Dibromodiphenyl ether			5	n.d.
Tribromodiphenyl ether			5	n.d.
Tetrabromodiphenyl ether			5	n.d.
Pentabromodiphenyl ether			5	n.d.
Hexabromodiphenyl ether			5	n.d.
Heptabromodiphenyl ether			5	n.d.
Octabromodiphenyl ether			5	n.d.
Nonabromodiphenyl ether			5	n.d.
Decabromodiphenyl ether			5	n.d.

Note :

- 1. mg/kg = ppm : 0.1wt% = 1000ppm
- 2. n.d. = Not Detected
- 3. MDL = Method Detection Limit
- 4. " - " = Not Regulated

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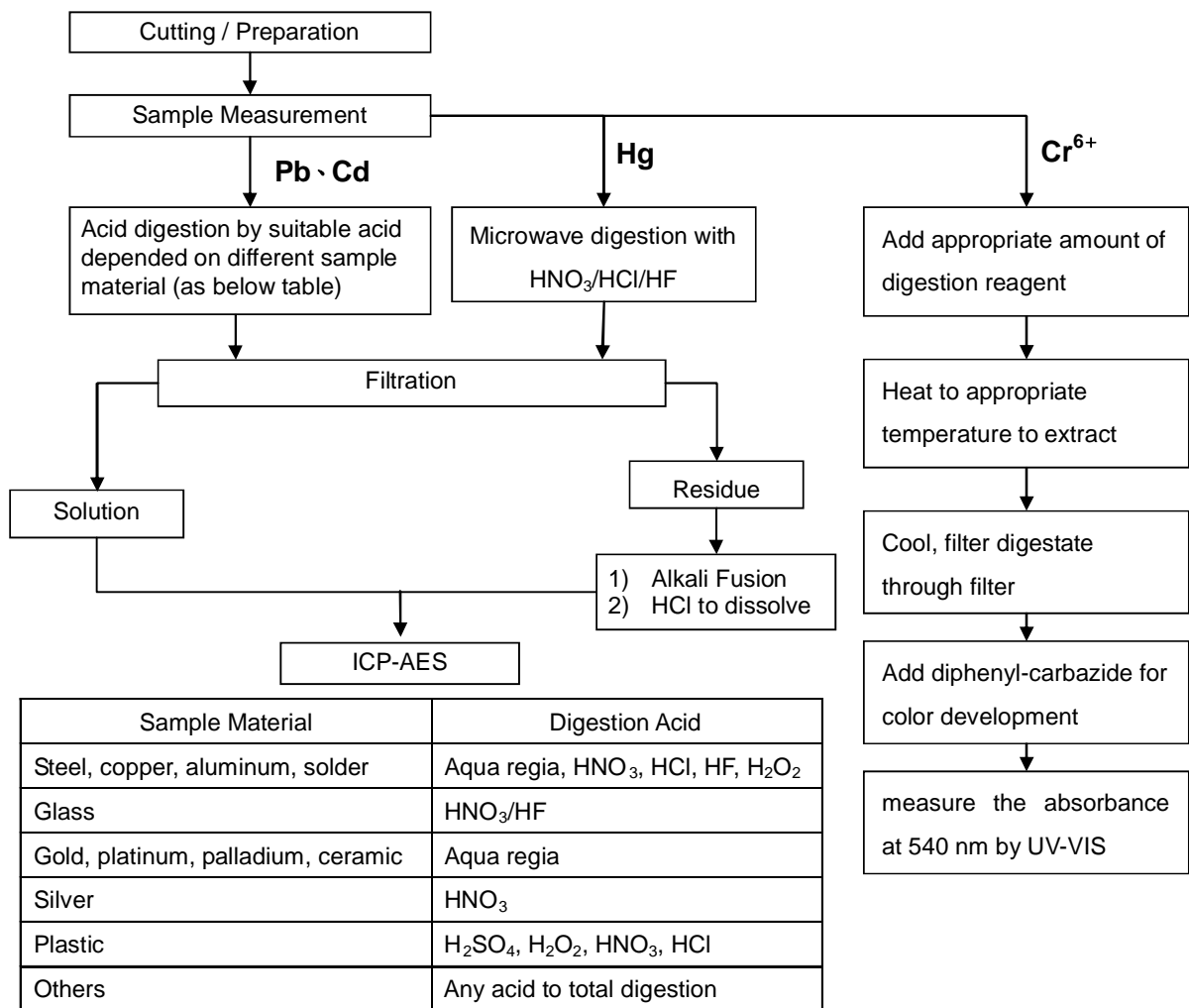
Test Report

No. : CE/2011/C5394 Date : 2012/01/03 Page : 4 of 7

AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
 7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

G&(L?>>L&B@FAG

- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart.
 (Cr⁶⁺ test method excluded)
- 2) Name of the person who made measurement: Climbgreat Yang
- 3) Name of the person in charge of measurement: Troy Chang



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Test Report

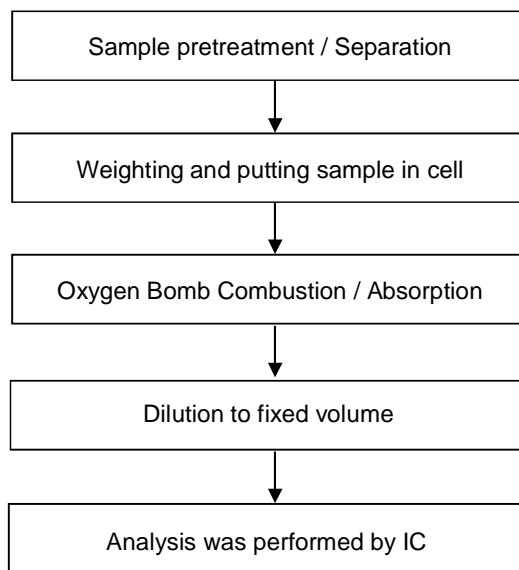
No. : CE/2011/C5394 Date : 2012/01/03 Page : 5 of 7

AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

G&(L?>>L&B@FAG

Analytical flow chart of halogen content

- 1) Name of the person who made measurement: Rita Chen
- 2) Name of the person in charge of measurement: Troy Chang



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AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

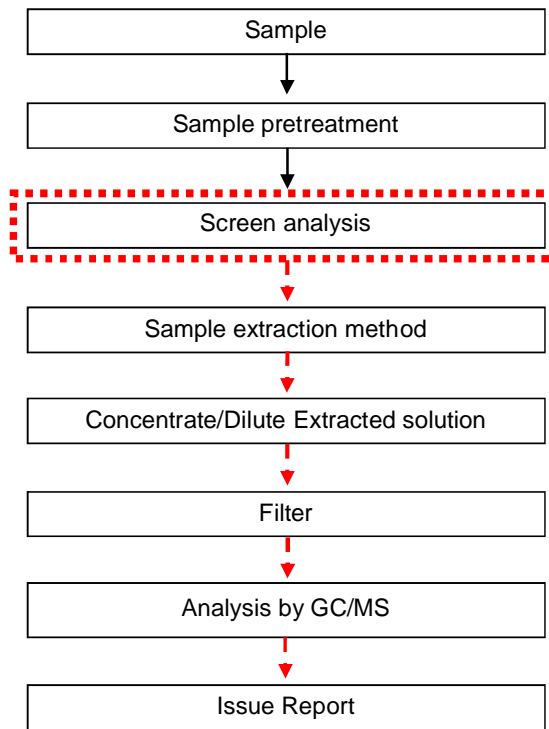
G& (L? \$ >> L&B@FAG

Analytical flow chart

- Name of the person who made measurement: Roman Wong
- Name of the person in charge of measurement: Troy Chang

[Test Items: PBB/PBDE, TBBP-A-bis]

First testing process → Optional screen process Confirmation process ->



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AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

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* The tested sample / part is marked by an arrow if it's shown on the photo. *

CE/2011/C5394



** End of Report **

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SGS Taiwan Branch
104, Sec. 5, Neihu Rd., Taipei, Taiwan
電話: 886-2-2658-8888 傳真: 886-2-2658-8889 郵箱: 10001



Test Report

No. : CE/2011/C5415 Date : 2012/01/03 Page : 1 of 7

AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

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

Sample Description	:	SILICONE
Style/Item No.	:	TANTALUM DIVISION
Sample Receiving Date	:	2011/12/28
Testing Period	:	2011/12/28 TO 2012/01/03

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



Chenyu Kung / Operation Manager
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory – Taipei

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SGS TAIWAN LTD. 11491 NEIHU, TAIPEI, TAIWAN



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AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

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Test Result(s)

PART NAME No.1 : TRANSPARENT LIQUID

Test Item(s)	Unit	Method	MDL	Result
				No.1
Cadmium (Cd)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
Lead (Pb)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
Mercury (Hg)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
Hexavalent Chromium Cr(VI)	mg/kg	With reference to IEC 62321: 2008 and performed by UV-VIS.	2	n.d.
Halogen-Chlorine (Cl) (CAS No.: 22537-15-1)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	n.d.
Halogen-Bromine (Br) (CAS No.: 10097-32-2)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	n.d.
Sum of PBBs			-	n.d.
Monobromobiphenyl	mg/kg	With reference to IEC 62321: 2008 and performed by GC/MS.	5	n.d.
Dibromobiphenyl			5	n.d.
Tribromobiphenyl			5	n.d.
Tetrabromobiphenyl			5	n.d.
Pentabromobiphenyl			5	n.d.
Hexabromobiphenyl			5	n.d.
Heptabromobiphenyl			5	n.d.
Octabromobiphenyl			5	n.d.
Nonabromobiphenyl			5	n.d.
Decabromobiphenyl			5	n.d.

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AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
 7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

G&(L?>>L&BA>BG

Test Item(s)	Unit	Method	MDL	Result
				No.1
Sum of PBDEs	mg/kg	With reference to IEC 62321: 2008 and performed by GC/MS.	-	n.d.
Monobromodiphenyl ether			5	n.d.
Dibromodiphenyl ether			5	n.d.
Tribromodiphenyl ether			5	n.d.
Tetrabromodiphenyl ether			5	n.d.
Pentabromodiphenyl ether			5	n.d.
Hexabromodiphenyl ether			5	n.d.
Heptabromodiphenyl ether			5	n.d.
Octabromodiphenyl ether			5	n.d.
Nonabromodiphenyl ether			5	n.d.
Decabromodiphenyl ether			5	n.d.

Note :

1. mg/kg = ppm : 0.1wt% = 1000ppm
2. n.d. = Not Detected
3. MDL = Method Detection Limit
4. " - " = Not Regulated

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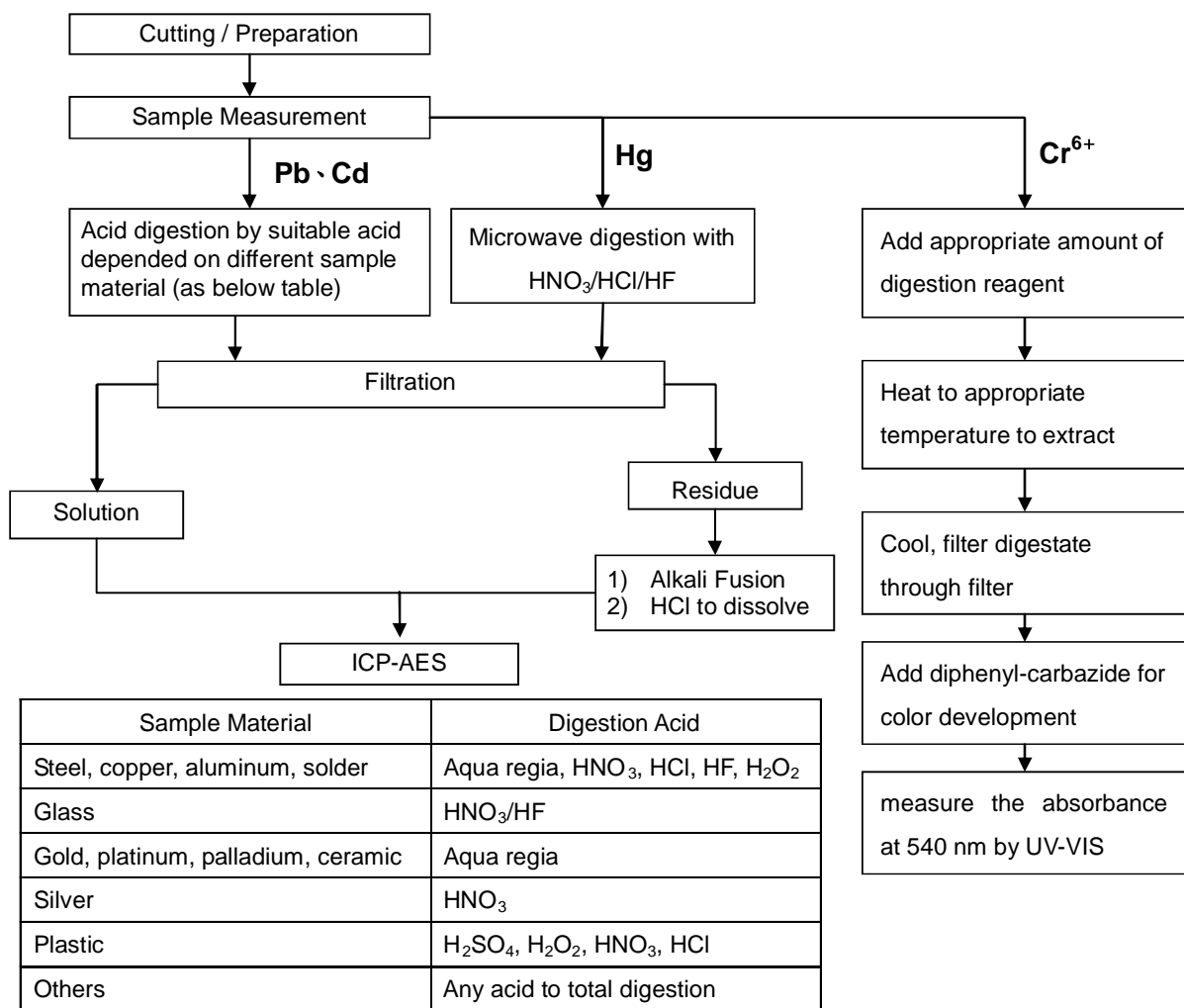
Test Report

No. : CE/2011/C5415 Date : 2012/01/03 Page : 4 of 7

AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
 7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

G&(L?>>L&BA>BG

- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr⁶⁺ test method excluded)
- 2) Name of the person who made measurement: Climbgreat Yang
- 3) Name of the person in charge of measurement: Troy Chang



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Test Report

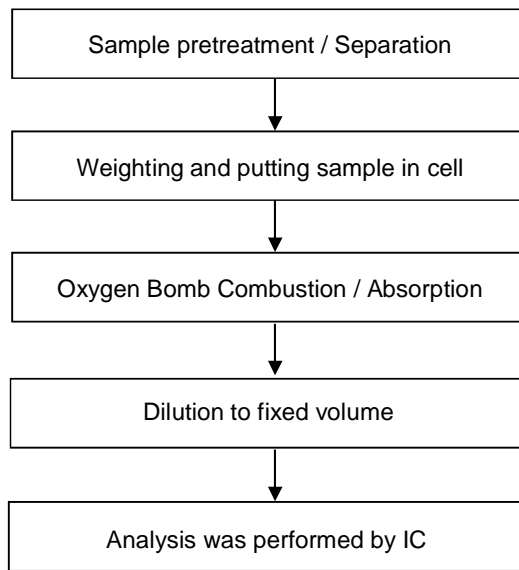
No. : CE/2011/C5415 Date : 2012/01/03 Page : 5 of 7

AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
 7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

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Analytical flow chart of halogen content

- 1) Name of the person who made measurement: Rita Chen
- 2) Name of the person in charge of measurement: Troy Chang



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AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

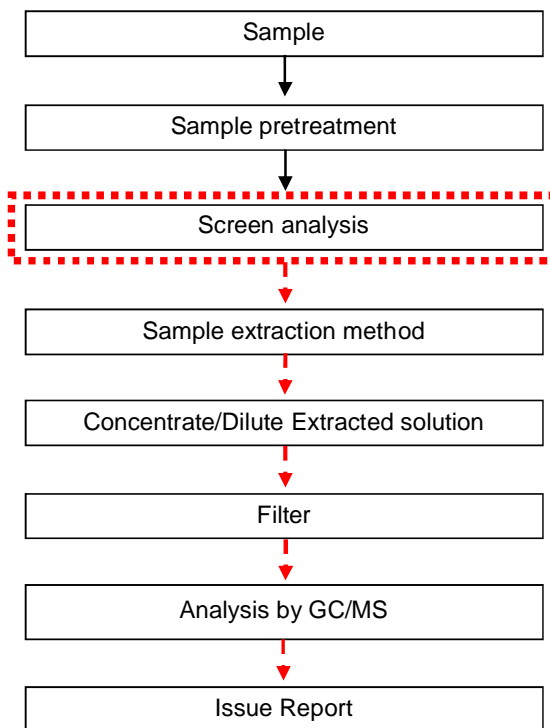
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Analytical flow chart

- Name of the person who made measurement: Roman Wong
- Name of the person in charge of measurement: Troy Chang

[Test Items: PBB/PBDE, TBBP-A-bis]

First testing process —> Optional screen process Confirmation process ->



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AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

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* The tested sample / part is marked by an arrow if it's shown on the photo. *

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Test Report

No. : CE/2011/C5395 Date : 2012/01/03 Page : 1 of 7

AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

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

Sample Description	:	GREEN TEFLON II.
Style/Item No.	:	TANTALUM DIVISION
Sample Receiving Date	:	2011/12/28
Testing Period	:	2011/12/28 TO 2012/01/03

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



Chenyu Kung / Operation Manager
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory – Taipei

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SGS TAIWAN LTD. 11491 NEIHU, TAIPEI, TAIWAN
 台灣檢驗科技股份有限公司 台北市五股工業區五權路33號



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AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

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Test Result(s)

PART NAME No.1 : GREEN LIQUID

Test Item(s)	Unit	Method	MDL	Result
				No.1
Cadmium (Cd)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
Lead (Pb)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
Mercury (Hg)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
Hexavalent Chromium Cr(VI)	mg/kg	With reference to IEC 62321: 2008 and performed by UV-VIS.	2	n.d.
Halogen-Chlorine (Cl) (CAS No.: 22537-15-1)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	n.d.
Halogen-Bromine (Br) (CAS No.: 10097-32-2)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	n.d.
Sum of PBBs			-	n.d.
Monobromobiphenyl	mg/kg	With reference to IEC 62321: 2008 and performed by GC/MS.	5	n.d.
Dibromobiphenyl			5	n.d.
Tribromobiphenyl			5	n.d.
Tetrabromobiphenyl			5	n.d.
Pentabromobiphenyl			5	n.d.
Hexabromobiphenyl			5	n.d.
Heptabromobiphenyl			5	n.d.
Octabromobiphenyl			5	n.d.
Nonabromobiphenyl			5	n.d.
Decabromobiphenyl			5	n.d.

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Test Report

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AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

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Test Item(s)	Unit	Method	MDL	Result
				No.1
Sum of PBDEs	mg/kg	With reference to IEC 62321: 2008 and performed by GC/MS.	-	n.d.
Monobromodiphenyl ether			5	n.d.
Dibromodiphenyl ether			5	n.d.
Tribromodiphenyl ether			5	n.d.
Tetrabromodiphenyl ether			5	n.d.
Pentabromodiphenyl ether			5	n.d.
Hexabromodiphenyl ether			5	n.d.
Heptabromodiphenyl ether			5	n.d.
Octabromodiphenyl ether			5	n.d.
Nonabromodiphenyl ether			5	n.d.
Decabromodiphenyl ether			5	n.d.

Note :

1. mg/kg = ppm : 0.1wt% = 1000ppm
2. n.d. = Not Detected
3. MDL = Method Detection Limit
4. " - " = Not Regulated

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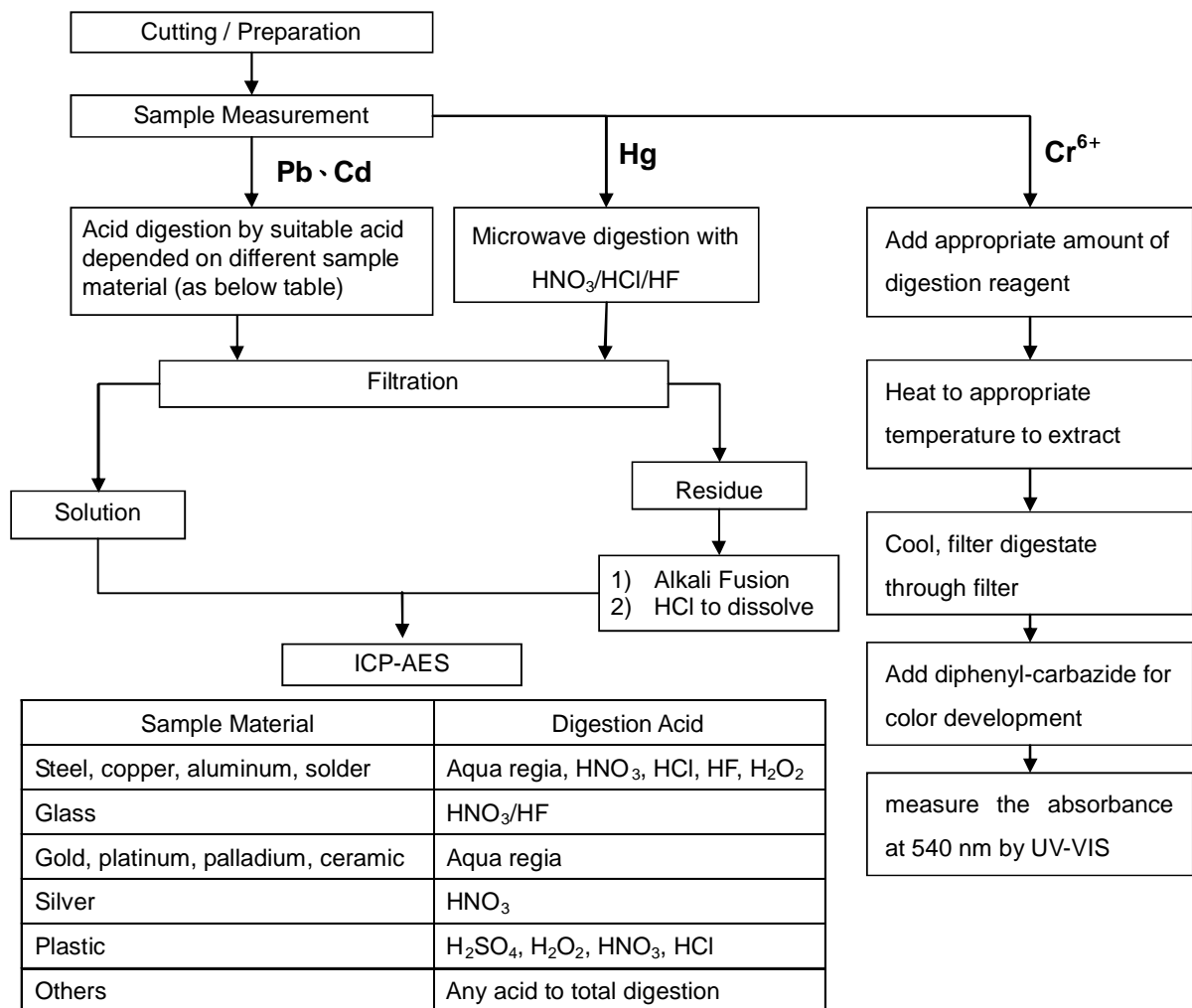
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7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

G&(L?>>L&B@FBG

- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr⁶⁺ test method excluded)
- 2) Name of the person who made measurement: Climbgreat Yang
- 3) Name of the person in charge of measurement: Troy Chang



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Test Report

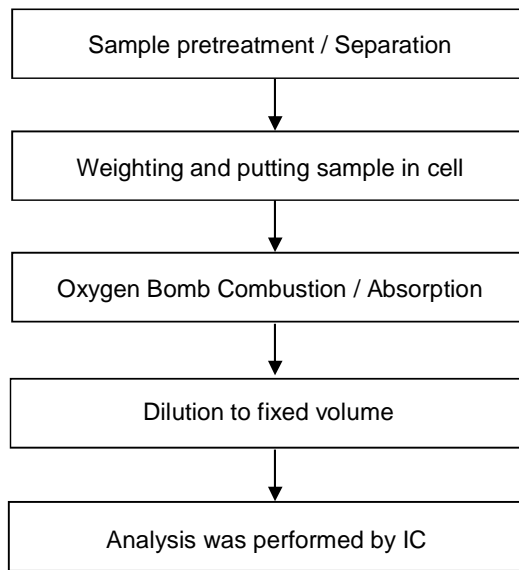
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AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
 7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

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Analytical flow chart of halogen content

- 1) Name of the person who made measurement: Rita Chen
- 2) Name of the person in charge of measurement: Troy Chang



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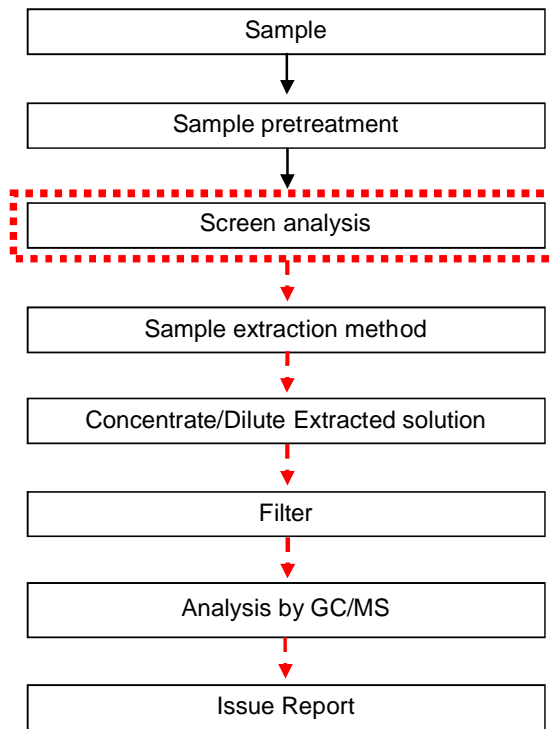
G& (L? \$ >> L&B@FBG

Analytical flow chart

- Name of the person who made measurement: Roman Wong
- Name of the person in charge of measurement: Troy Chang

[Test Items: PBB/PBDE, TBBP-A-bis]

First testing process —> Optional screen process Confirmation process ->



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* The tested sample / part is marked by an arrow if it's shown on the photo. *

CE/2011/C5395



** End of Report **

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7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

G&(L?>>L&BA>>G

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

Sample Description : PASTE II.
Style/Item No. : TANTALUM DIVISION
Sample Receiving Date : 2011/12/28
Testing Period : 2011/12/28 TO 2012/01/03

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



Chenyu Kung / Operation Manager
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory – Taipei

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7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

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Test Result(s)

PART NAME No.1 : GRAY PASTE

Test Item(s)	Unit	Method	MDL	Result
				No.1
Cadmium (Cd)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
Lead (Pb)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
Mercury (Hg)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
Hexavalent Chromium Cr(VI)	mg/kg	With reference to IEC 62321: 2008 and performed by UV-VIS.	2	n.d.
Halogen-Chlorine (Cl) (CAS No.: 22537-15-1)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	n.d.
Halogen-Bromine (Br) (CAS No.: 10097-32-2)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	n.d.
Sum of PBBs			-	n.d.
Monobromobiphenyl	mg/kg	With reference to IEC 62321: 2008 and performed by GC/MS.	5	n.d.
Dibromobiphenyl			5	n.d.
Tribromobiphenyl			5	n.d.
Tetrabromobiphenyl			5	n.d.
Pentabromobiphenyl			5	n.d.
Hexabromobiphenyl			5	n.d.
Heptabromobiphenyl			5	n.d.
Octabromobiphenyl			5	n.d.
Nonabromobiphenyl			5	n.d.
Decabromobiphenyl			5	n.d.

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Test Report

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AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

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Test Item(s)	Unit	Method	MDL	Result
				No.1
Sum of PBDEs	mg/kg	With reference to IEC 62321: 2008 and performed by GC/MS.	-	n.d.
Monobromodiphenyl ether			5	n.d.
Dibromodiphenyl ether			5	n.d.
Tribromodiphenyl ether			5	n.d.
Tetrabromodiphenyl ether			5	n.d.
Pentabromodiphenyl ether			5	n.d.
Hexabromodiphenyl ether			5	n.d.
Heptabromodiphenyl ether			5	n.d.
Octabromodiphenyl ether			5	n.d.
Nonabromodiphenyl ether			5	n.d.
Decabromodiphenyl ether			5	n.d.

Note :

1. mg/kg = ppm : 0.1wt% = 1000ppm
2. n.d. = Not Detected
3. MDL = Method Detection Limit
4. " - " = Not Regulated

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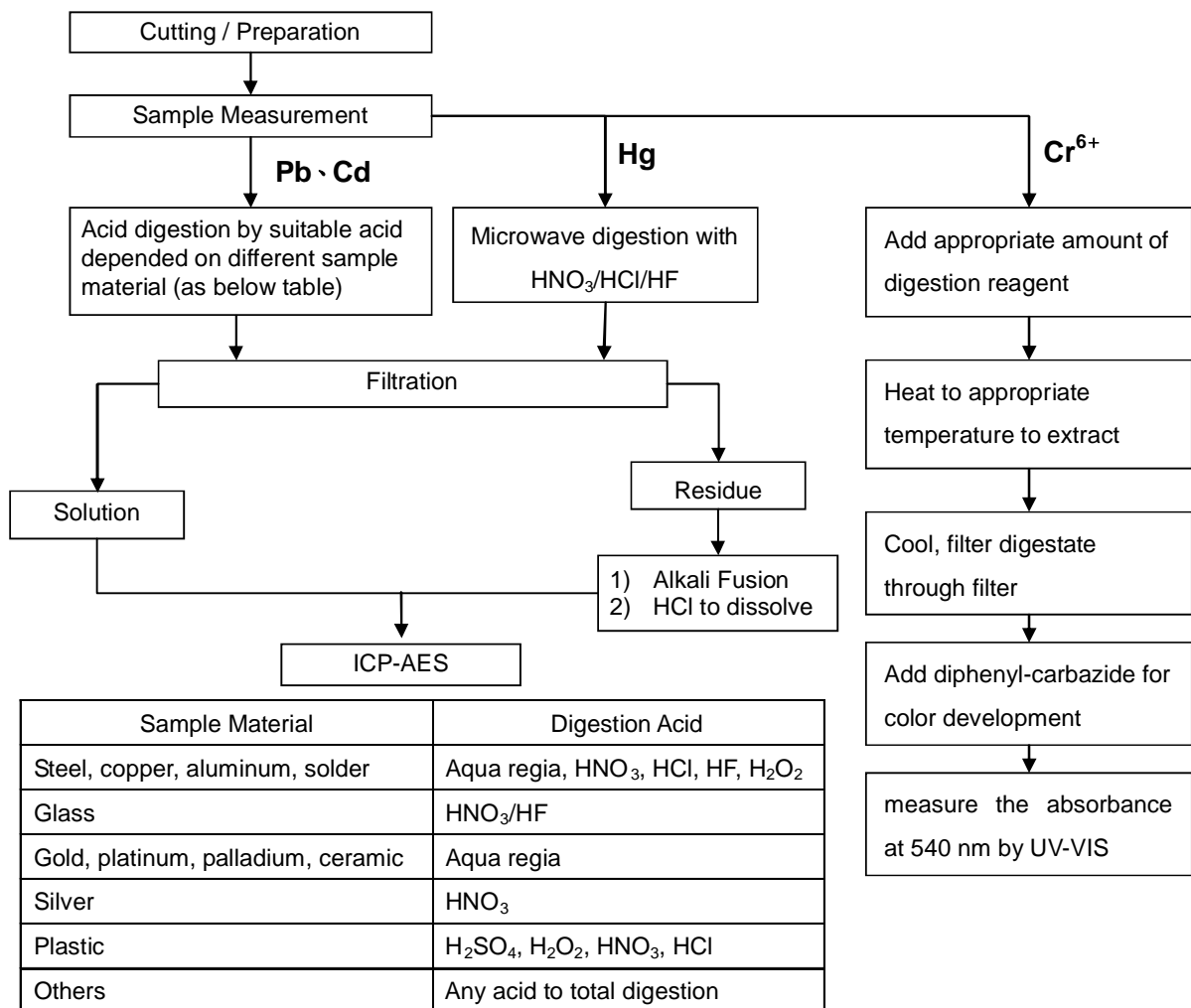
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G&(L?>>L&BA>>G

- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr⁶⁺ test method excluded)
- 2) Name of the person who made measurement: Climbgreat Yang
- 3) Name of the person in charge of measurement: Troy Chang



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Test Report

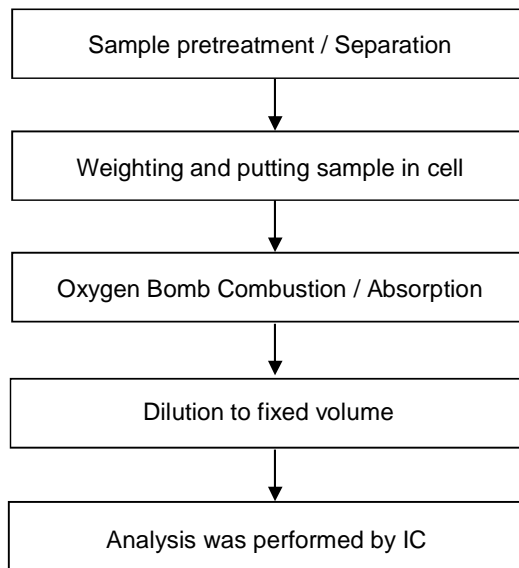
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Analytical flow chart of halogen content

- 1) Name of the person who made measurement: Rita Chen
- 2) Name of the person in charge of measurement: Troy Chang



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7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

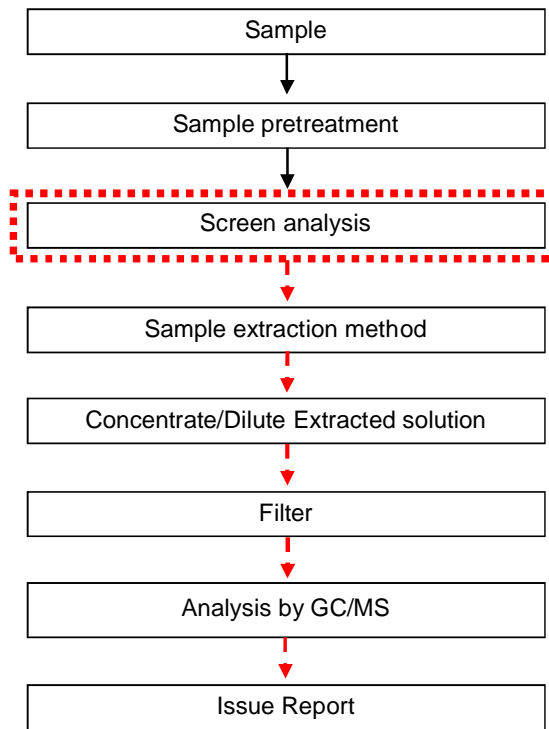
G&(L?>>L&BA>>G

Analytical flow chart

- Name of the person who made measurement: Roman Wong
- Name of the person in charge of measurement: Troy Chang

[Test Items: PBB/PBDE, TBBP-A-bis]

First testing process —> Optional screen process Confirmation process ->



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Test Report

No. : CE/2011/C5411 Date : 2012/01/03 Page : 7 of 7

AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

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* The tested sample / part is marked by an arrow if it's shown on the photo. *

CE/2011/C5411



** End of Report **

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Test Report

No. : CE/2011/C5420 Date : 2012/01/03 Page : 1 of 7

AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

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

Sample Description	:	SILVER I.
Style/Item No.	:	TANTALUM DIVISION
Sample Receiving Date	:	2011/12/28
Testing Period	:	2011/12/28 TO 2012/01/03

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



Chenyu Kung / Operation Manager
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory – Taipei

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 台灣檢驗科技股份有限公司 11491 內湖區五權路33號3樓 電話: +886-2-2658-8888 傳真: +886-2-2658-8889 郵政信箱: 10001 台北市中山區南京東路二段100號



Test Report

No. : CE/2011/C5420 Date : 2012/01/03 Page : 2 of 7

AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

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Test Result(s)

PART NAME No.1 : GRAY PASTE

Test Item(s)	Unit	Method	MDL	Result
				No.1
Cadmium (Cd)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
Lead (Pb)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
Mercury (Hg)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
Hexavalent Chromium Cr(VI)	mg/kg	With reference to IEC 62321: 2008 and performed by UV-VIS.	2	n.d.
Halogen-Chlorine (Cl) (CAS No.: 22537-15-1)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	n.d.
Halogen-Bromine (Br) (CAS No.: 10097-32-2)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	n.d.
Sum of PBBs			-	n.d.
Monobromobiphenyl	mg/kg	With reference to IEC 62321: 2008 and performed by GC/MS.	5	n.d.
Dibromobiphenyl			5	n.d.
Tribromobiphenyl			5	n.d.
Tetrabromobiphenyl			5	n.d.
Pentabromobiphenyl			5	n.d.
Hexabromobiphenyl			5	n.d.
Heptabromobiphenyl			5	n.d.
Octabromobiphenyl			5	n.d.
Nonabromobiphenyl			5	n.d.
Decabromobiphenyl			5	n.d.

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Test Report

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AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

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Test Item(s)	Unit	Method	MDL	Result
				No.1
Sum of PBDEs	mg/kg	With reference to IEC 62321: 2008 and performed by GC/MS.	-	n.d.
Monobromodiphenyl ether			5	n.d.
Dibromodiphenyl ether			5	n.d.
Tribromodiphenyl ether			5	n.d.
Tetrabromodiphenyl ether			5	n.d.
Pentabromodiphenyl ether			5	n.d.
Hexabromodiphenyl ether			5	n.d.
Heptabromodiphenyl ether			5	n.d.
Octabromodiphenyl ether			5	n.d.
Nonabromodiphenyl ether			5	n.d.
Decabromodiphenyl ether			5	n.d.

Note :

1. mg/kg = ppm : 0.1wt% = 1000ppm
2. n.d. = Not Detected
3. MDL = Method Detection Limit
4. " - " = Not Regulated

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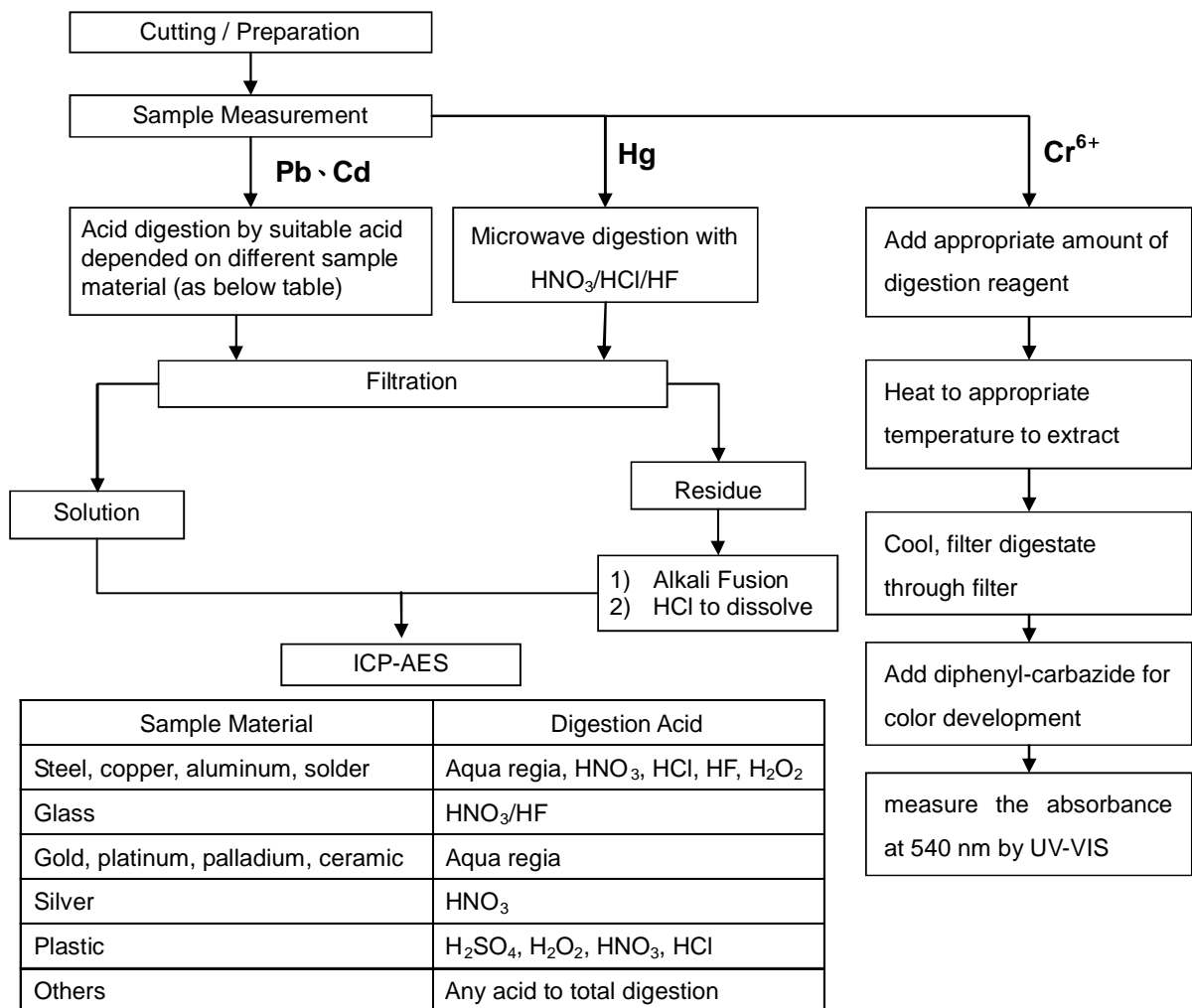
Test Report

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AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

G&(L?>>L&BA?>G

- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart.
(Cr⁶⁺ test method excluded)
- 2) Name of the person who made measurement: Climbgreat Yang
- 3) Name of the person in charge of measurement: Troy Chang



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Test Report

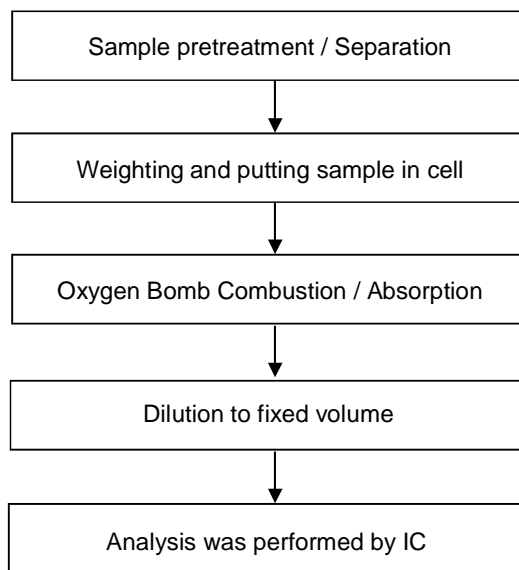
No. : CE/2011/C5420 Date : 2012/01/03 Page : 5 of 7

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 7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

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Analytical flow chart of halogen content

- 1) Name of the person who made measurement: Rita Chen
- 2) Name of the person in charge of measurement: Troy Chang



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AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

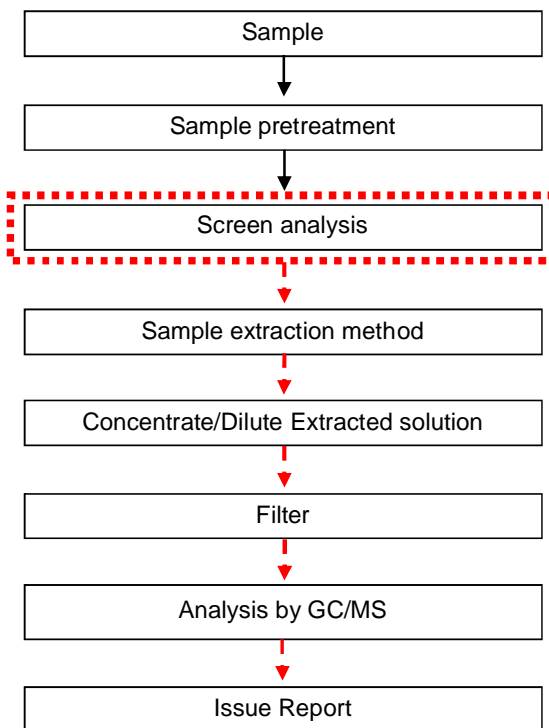
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Analytical flow chart

- Name of the person who made measurement: Roman Wong
- Name of the person in charge of measurement: Troy Chang

[Test Items: PBB/PBDE, TBBP-A-bis]

First testing process —> Optional screen process Confirmation process ->



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AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
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* The tested sample / part is marked by an arrow if it's shown on the photo. *

CE/2011/C5420



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傳真: +886-2-2658-8889
E-mail: sgs@sgs.com.tw



Test Report

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AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

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

Sample Description	:	MOULDING GOLD GREEN
Style/Item No.	:	TANTALUM DIVISION
Sample Receiving Date	:	2011/12/28
Testing Period	:	2011/12/28 TO 2012/01/03

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



Chenyu Kung / Operation Manager
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory – Taipei

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AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

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Test Result(s)

PART NAME No.1 : YELLOW LUMP

Test Item(s)	Unit	Method	MDL	Result
				No.1
Cadmium (Cd)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
Lead (Pb)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
Mercury (Hg)	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
Hexavalent Chromium Cr(VI)	mg/kg	With reference to IEC 62321: 2008 and performed by UV-VIS.	2	n.d.
Halogen-Chlorine (Cl) (CAS No.: 22537-15-1)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	147
Halogen-Bromine (Br) (CAS No.: 10097-32-2)	mg/kg	With reference to BS EN 14582:2007. Analysis was performed by IC.	50	n.d.
Sum of PBBs			-	n.d.
Monobromobiphenyl	mg/kg	With reference to IEC 62321: 2008 and performed by GC/MS.	5	n.d.
Dibromobiphenyl			5	n.d.
Tribromobiphenyl			5	n.d.
Tetrabromobiphenyl			5	n.d.
Pentabromobiphenyl			5	n.d.
Hexabromobiphenyl			5	n.d.
Heptabromobiphenyl			5	n.d.
Octabromobiphenyl			5	n.d.
Nonabromobiphenyl			5	n.d.
Decabromobiphenyl			5	n.d.

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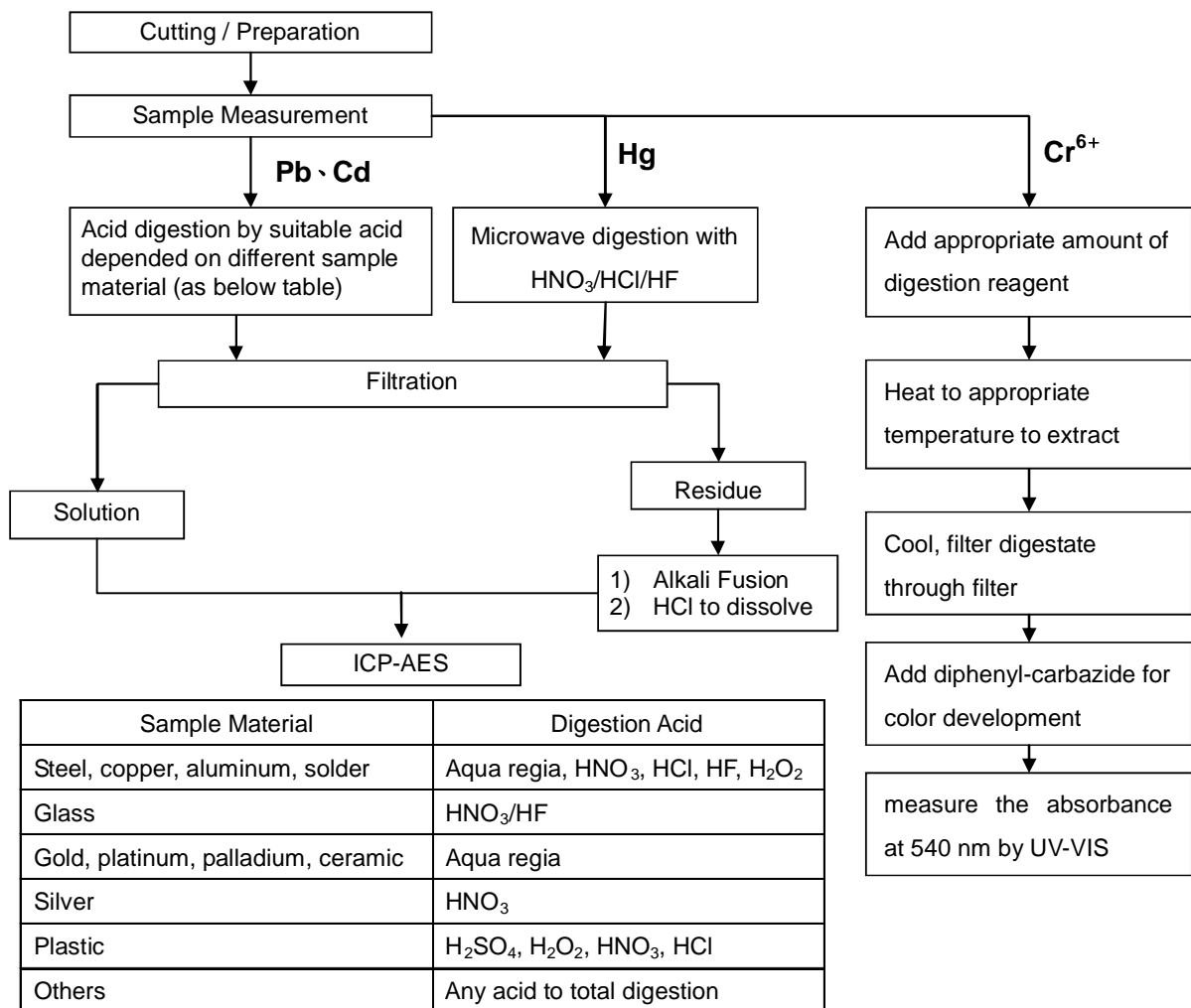
Test Report

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7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

G& (L? \$ >> L&BA\$AG

- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart.
(Cr⁶⁺ test method excluded)
- 2) Name of the person who made measurement: Climbgreat Yang
- 3) Name of the person in charge of measurement: Troy Chang



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Test Report

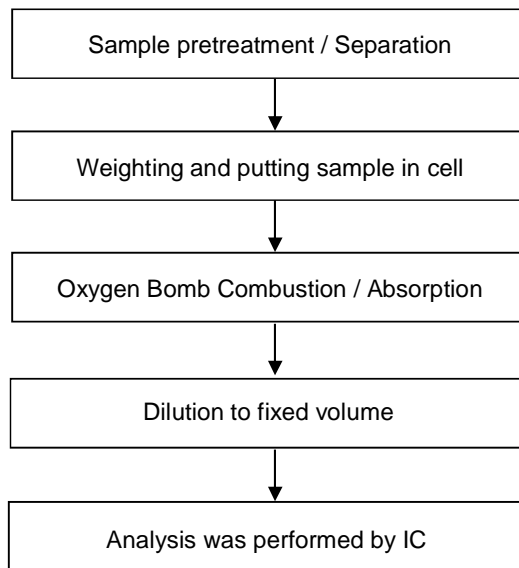
No. : CE/2011/C5404 Date : 2012/01/03 Page : 5 of 7

AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
 7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

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Analytical flow chart of halogen content

- 1) Name of the person who made measurement: Rita Chen
- 2) Name of the person in charge of measurement: Troy Chang



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7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

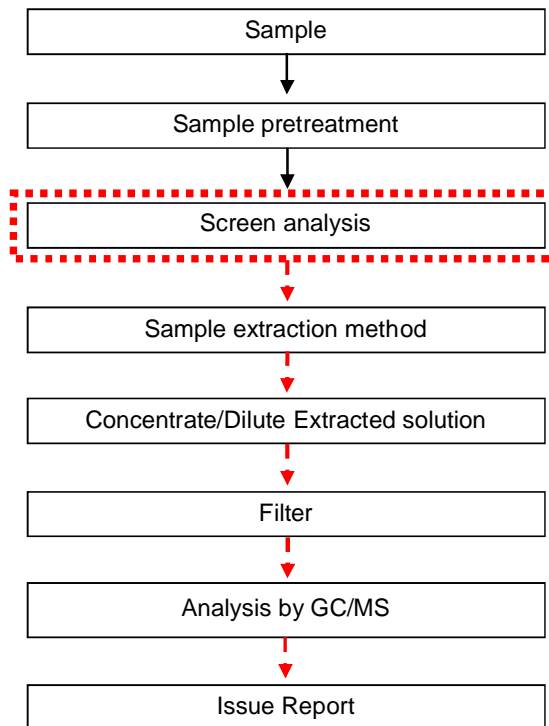
G& (L? \$ >> L&BA\$AG

Analytical flow chart

- Name of the person who made measurement: Roman Wong
- Name of the person in charge of measurement: Troy Chang

[Test Items: PBB/PBDE, TBBP-A-bis]

First testing process —> Optional screen process Confirmation process ->



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Test Report

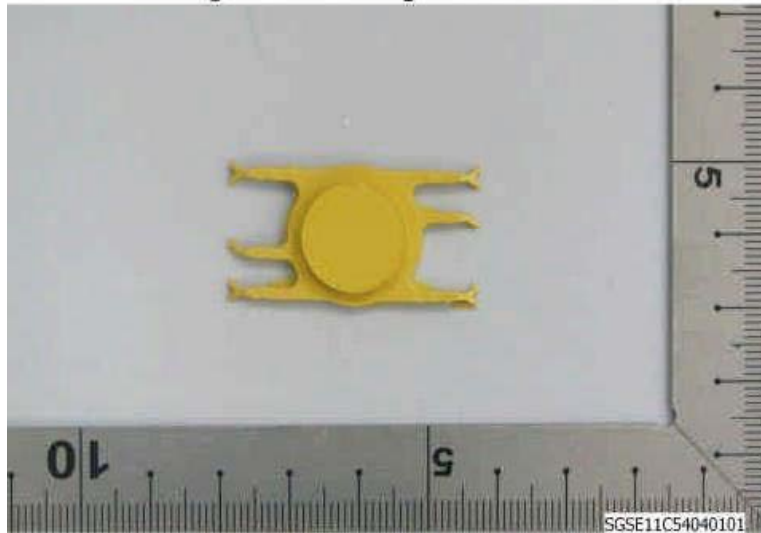
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7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

G&(L?>>L&BA\$AG

* The tested sample / part is marked by an arrow if it's shown on the photo. *

CE/2011/C5404



** End of Report **

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G&(L?>>L&BAFAG

Test Result(s)

PART NAME No.1 : PLATING LAYER OF SILVER/COPPER COLORED METAL
PART NAME No.2 : BASE MATERIAL OF SILVER/COPPER COLORED METAL

Test Item(s)	Unit	Method	MDL	Result	
				No.1	No.2
Cadmium (Cd)	mg/kg	IEC 62321: 2008 application of modified digestion by surface etching and performed by ICP-AES.	2	n.d.	---
	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	---	n.d.
Lead (Pb)	mg/kg	IEC 62321: 2008 application of modified digestion by surface etching and performed by ICP-AES.	2	42	---
	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	---	9
Mercury (Hg)	mg/kg	IEC 62321: 2008 application of modified digestion by surface etching and performed by ICP-AES.	2	n.d.	---
	mg/kg	With reference to IEC 62321: 2008 and performed by ICP-AES.	2	---	n.d.
Hexavalent Chromium Cr(VI)	**	With reference to IEC 62321: 2008 and performed by Boiling water extraction Method.#	#	Negative	Negative
Sum of PBBs	mg/kg	With reference to IEC 62321: 2008 and performed by GC/MS.	-	---	n.d.
Monobromobiphenyl			5	---	n.d.
Dibromobiphenyl			5	---	n.d.
Tribromobiphenyl			5	---	n.d.
Tetrabromobiphenyl			5	---	n.d.
Pentabromobiphenyl			5	---	n.d.
Hexabromobiphenyl			5	---	n.d.
Heptabromobiphenyl			5	---	n.d.
Octabromobiphenyl			5	---	n.d.
Nonabromobiphenyl			5	---	n.d.
Decabromobiphenyl			5	---	n.d.

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AVX / KYOCERA HONG KONG LTD. TAIWAN BRANCH
7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

G&L?>>L&BAFAG

Test Item(s)	Unit	Method	MDL	Result	
				No.1	No.2
Sum of PBDEs	mg/kg	With reference to IEC 62321: 2008 and performed by GC/MS.	-	---	n.d.
Monobromodiphenyl ether			5	---	n.d.
Dibromodiphenyl ether			5	---	n.d.
Tribromodiphenyl ether			5	---	n.d.
Tetrabromodiphenyl ether			5	---	n.d.
Pentabromodiphenyl ether			5	---	n.d.
Hexabromodiphenyl ether			5	---	n.d.
Heptabromodiphenyl ether			5	---	n.d.
Octabromodiphenyl ether			5	---	n.d.
Nonabromodiphenyl ether			5	---	n.d.
Decabromodiphenyl ether			5	---	n.d.

Note :

1. mg/kg = ppm ; 0.1wt% = 1000ppm
2. n.d. = Not Detected
3. MDL = Method Detection Limit
4. " - " = Not Regulated
5. " --- " = Not Conducted
6. ** = Qualitative analysis (No Unit)
7. # = a. Positive means the presence of CrVI on the tested areas
b. Negative means the absence of CrVI on the tested areas

The detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm² tested areas.

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Test Report

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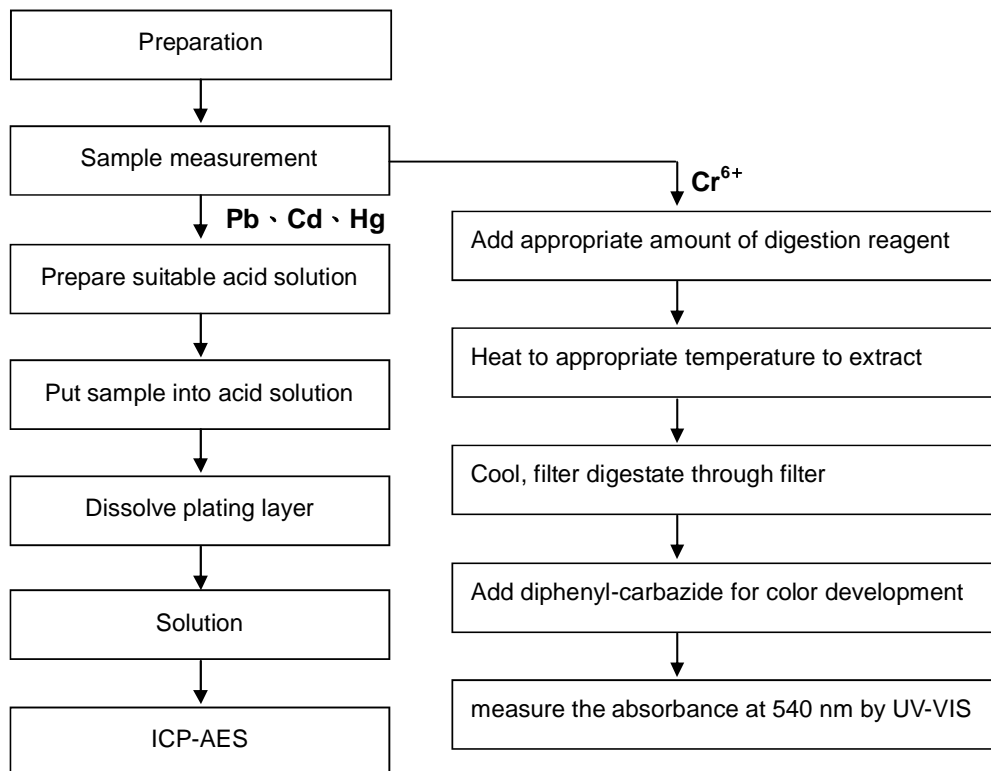
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7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

G&(L?>>L&BAFAG

No.1

- 1) The plating layer of samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr⁶⁺ test method excluded)
- 2) Name of the person who made measurement: Climbgreat Yang
- 3) Name of the person in charge of measurement: Troy Chang

Flow Chart of Stripping method for metal analysis



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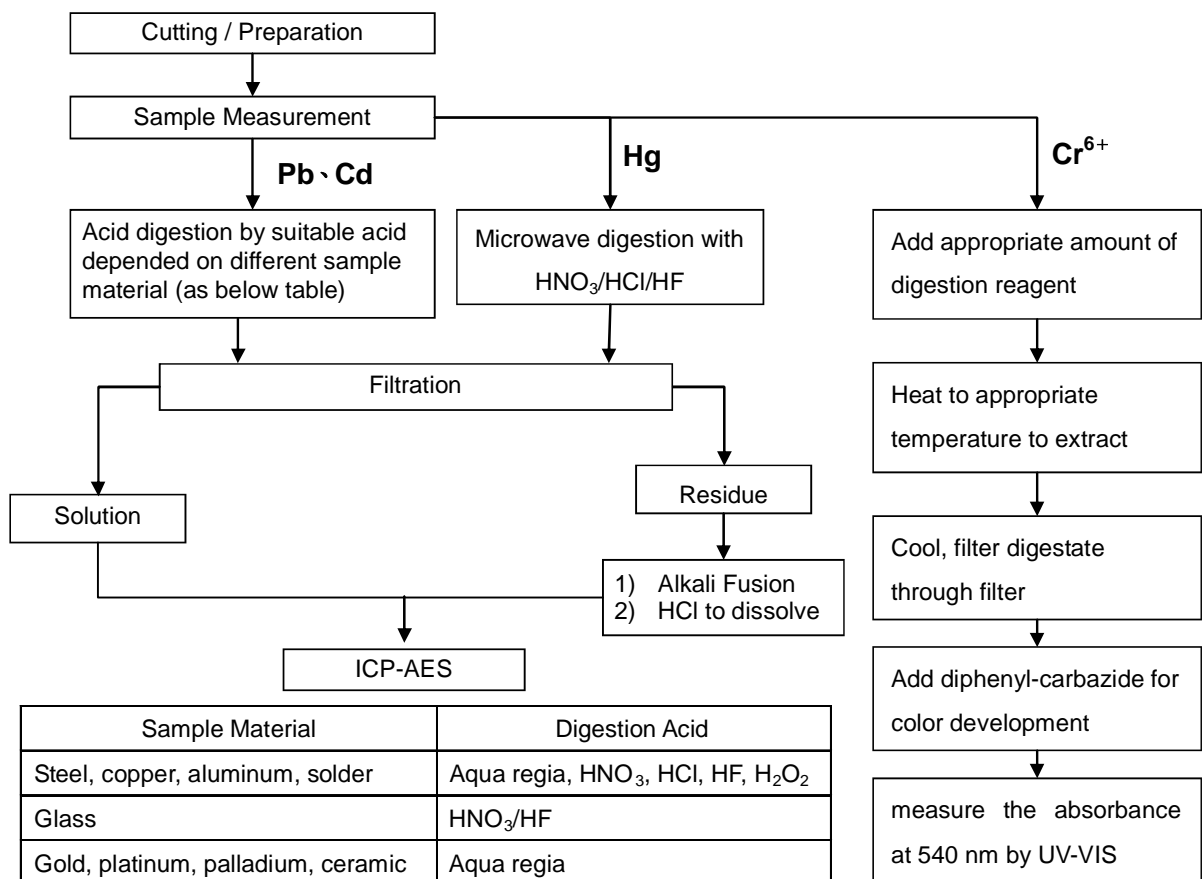
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7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

G&L?>>L&BAFAG

No.2

- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr⁶⁺ test method excluded)
- 2) Name of the person who made measurement: Climbgreat Yang
- 3) Name of the person in charge of measurement: Troy Chang



Sample Material	Digestion Acid
Steel, copper, aluminum, solder	Aqua 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

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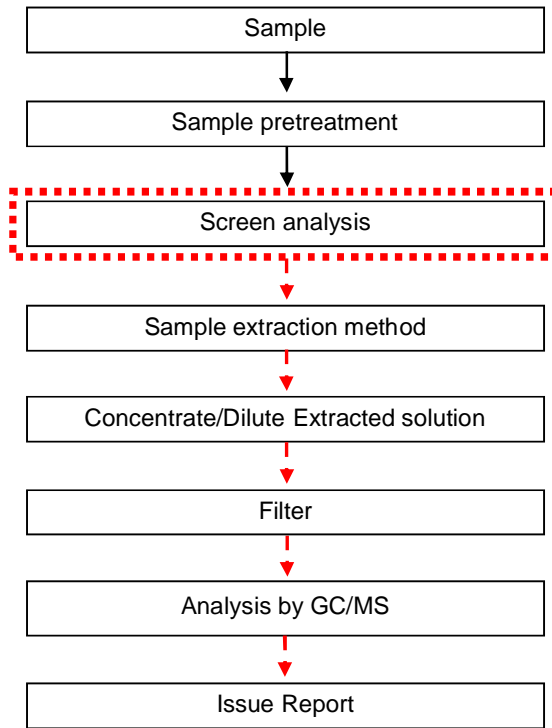
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Analytical flow chart

- Name of the person who made measurement: Roman Wong
- Name of the person in charge of measurement: Troy Chang

【 Test Items: PBB/PBDE, TBBP-A-bis 】

First testing process —> Optional screen process Confirmation process - ->



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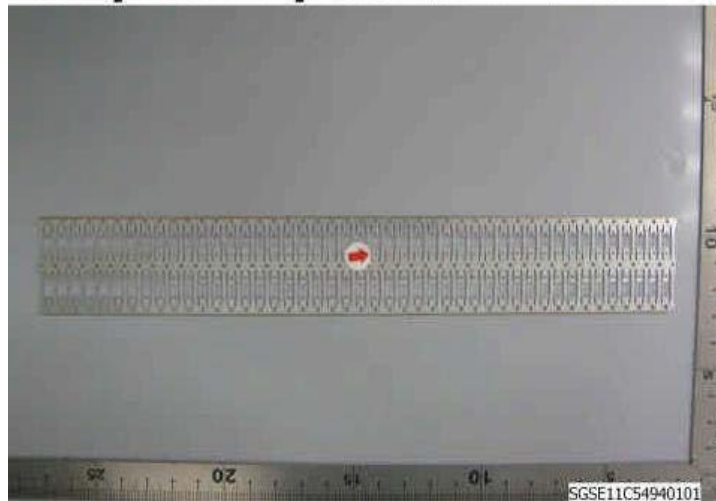
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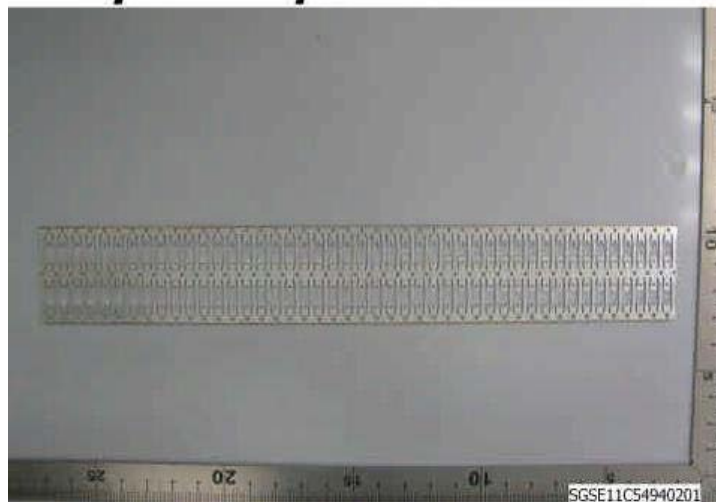
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* The tested sample / part is marked by an arrow if it's shown on the photo. *

CE/2011/C5494 NO.1



CE/2011/C5494 NO.2



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Test Report

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 7F-1, NO. 56, LANE 258, RUIGUANG ROAD, 11491 NEIHU, TAIPEI, TAIWAN

G&(L?>>L&BAFEG

Test Item(s)	Unit	Method	MDL	Result	
				No.1	No.2
Sum of PBDEs	mg/kg	With reference to IEC 62321: 2008 and performed by GC/MS.	-	---	n.d.
Monobromodiphenyl ether			5	---	n.d.
Dibromodiphenyl ether			5	---	n.d.
Tribromodiphenyl ether			5	---	n.d.
Tetrabromodiphenyl ether			5	---	n.d.
Pentabromodiphenyl ether			5	---	n.d.
Hexabromodiphenyl ether			5	---	n.d.
Heptabromodiphenyl ether			5	---	n.d.
Octabromodiphenyl ether			5	---	n.d.
Nonabromodiphenyl ether			5	---	n.d.
Decabromodiphenyl ether			5	---	n.d.

Note :

1. mg/kg = ppm ; 0.1wt% = 1000ppm
2. n.d. = Not Detected
3. MDL = Method Detection Limit
4. " - " = Not Regulated
5. " --- " = Not Conducted
6. ** = Qualitative analysis (No Unit)
7. # = a. Positive means the presence of CrVI on the tested areas
 b. Negative means the absence of CrVI on the tested areas

The detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm² tested areas.

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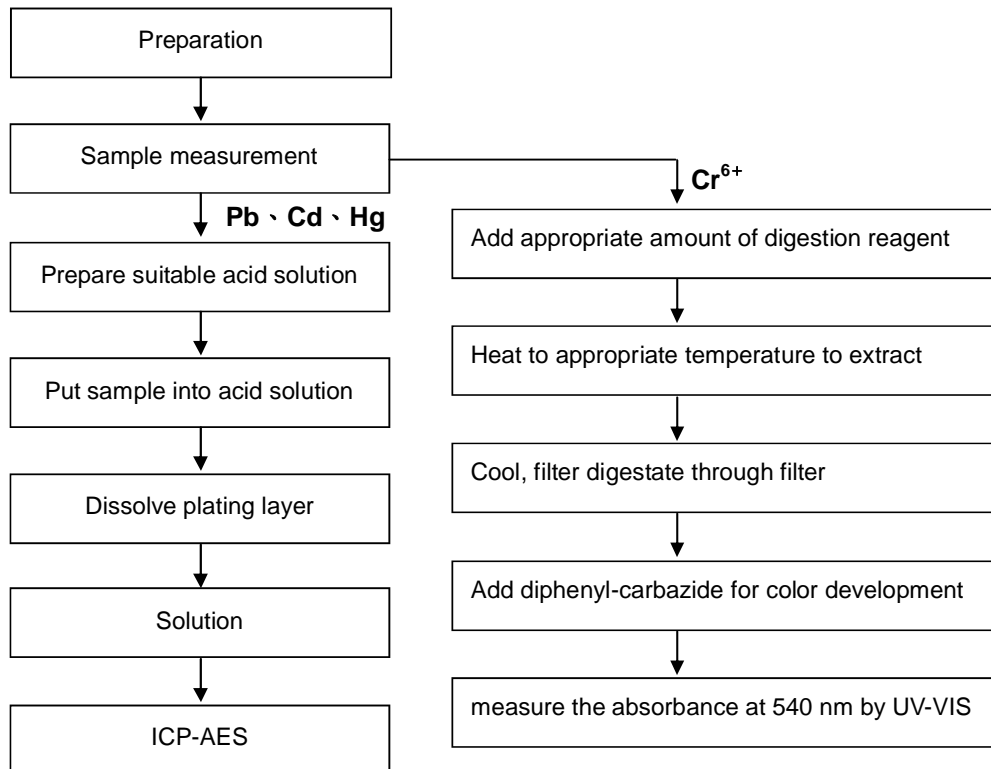
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G&(L?>>L&BAFEG

No.1

- 1) The plating layer of samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr⁶⁺ test method excluded)
- 2) Name of the person who made measurement: Climbgreat Yang
- 3) Name of the person in charge of measurement: Troy Chang

Flow Chart of Stripping method for metal analysis



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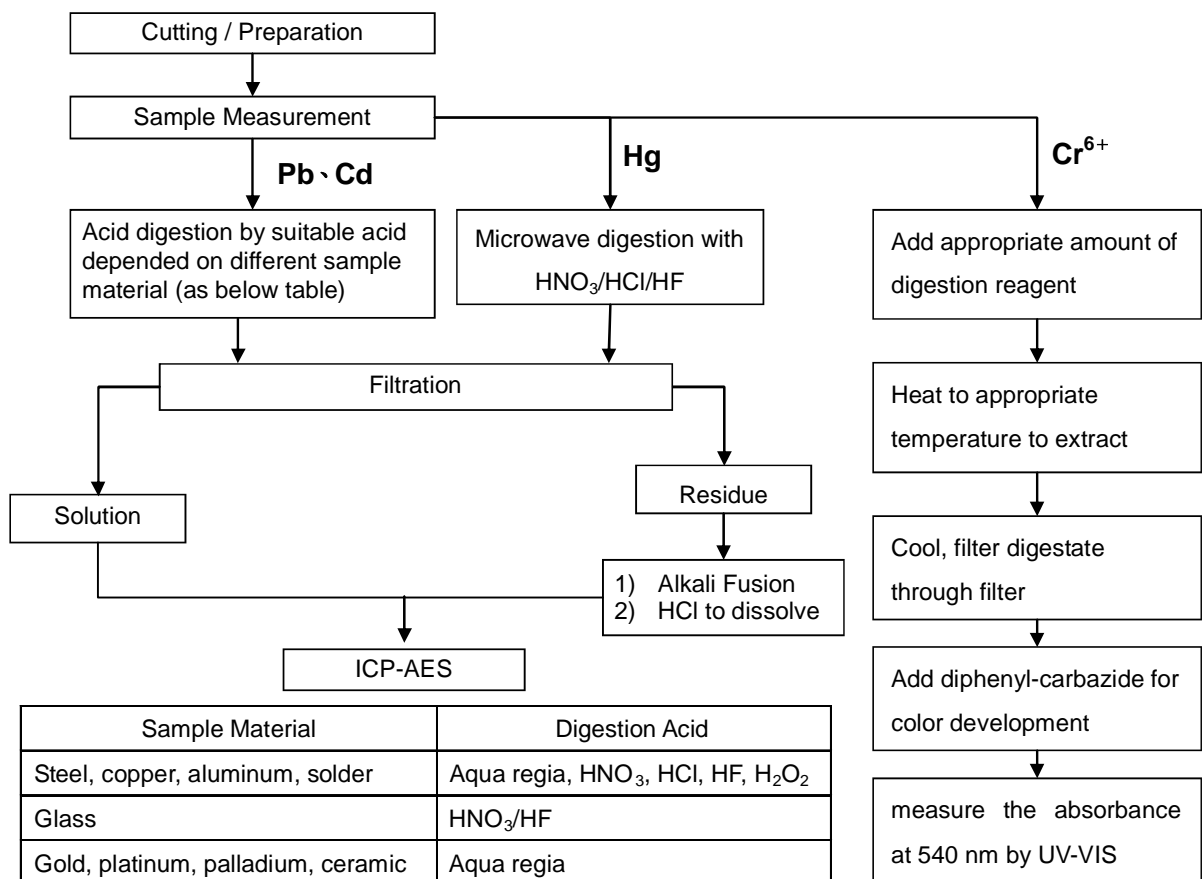
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G&L?>>L&BAFEG

No.2

- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr⁶⁺ test method excluded)
- 2) Name of the person who made measurement: Climbgreat Yang
- 3) Name of the person in charge of measurement: Troy Chang



Sample Material	Digestion Acid
Steel, copper, aluminum, solder	Aqua 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

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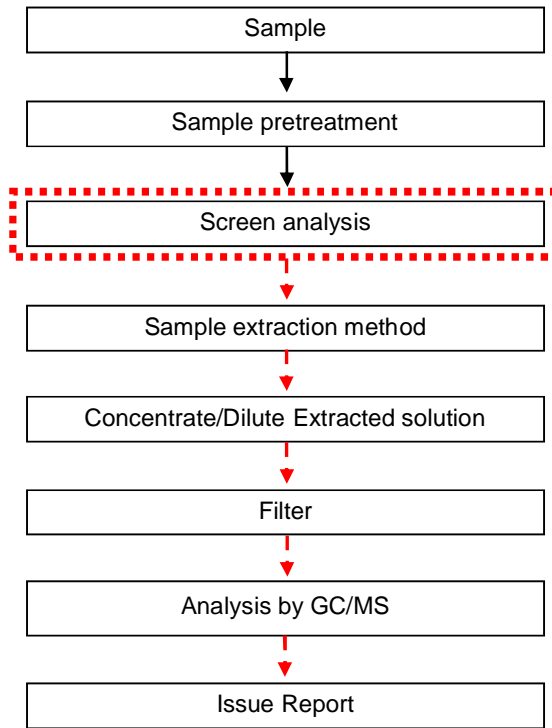
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Analytical flow chart

- Name of the person who made measurement: Roman Wong
- Name of the person in charge of measurement: Troy Chang

【 Test Items: PBB/PBDE, TBBP-A-bis 】

First testing process —> Optional screen process Confirmation process - ->



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