



Test Report

JAU JANQ ENTERPRISE CO., LTD.
NO.111, SIAMEN ST., LINGYA DISTRICT, KAOHSIUNG CITY 802, TAIWAN
(R.O.C.)

Report No. : KA/2008/A1940A-02
Date : 2008/11/07
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The following sample(s) was/were submitted and identified by/on behalf of the client as :

Sample Description : PURE TIN 99.99%
Sample Receiving Date : 2008/10/23 & 2008/11/04
Testing Period : 2008/10/23 TO 2008/10/29 & 2008/11/04 TO 2008/11/06

=====
Test Result(s) : - Please see the next page(s) -

Katherine Ho / Supervisor
Signed for and on behalf of
SGS Taiwan Limited

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Test Result(s)

PART NAME NO.1 : SILVER PURE TIN 99.99%

Test Item (s)	Unit	Method	MDL	Result
				No. 1
Cadmium (Cd)	mg/kg	With reference to IEC 62321/2nd CDV (111/95/CDV). Determination of Cadmium by ICP-AES.	2	n.d.
Hexavalent Chromium Cr(VI)	**	With reference to IEC 62321/2nd CDV (111/95/CDV). Determination of Hexavalent Chromium for metallic samples by Spot test / boiling water extraction Method.	0.02mg/kg with 50 cm ² surface area	Negative
Mercury (Hg)	mg/kg	With reference to IEC 62321/2nd CDV (111/95/CDV). Determination of Mercury by ICP-AES.	2	n.d.
Lead (Pb)	mg/kg	With reference to IEC 62321/2nd CDV (111/95/CDV). Determination of Lead by ICP-AES.	2	12.7
Sum of PBBs			-	n.d.
Monobromobiphenyl	mg/kg	With reference to IEC 62321/2nd CDV (111/95/CDV). Determination of PBBs and PBDEs 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 Item (s)	Unit	Method	MDL	Result
				No. 1
Sum of PBDEs	mg/kg	With reference to IEC 62321/2nd CDV (111/95/CDV). Determination of PBBs and PBDEs 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
 2. n.d. = Not Detected
 3. MDL = Method Detection Limit
 4. The exemption of DecaBDE in polymeric application according 2005/717/EC was overruled by the European Court of Justice by its decision of 01.04.2008. Subsequently DecaBDE will be included in the sum of PBDE after 01.07.2008
 5. Spot-test:
 - Negative = Absence of Cr(VI) coating / surface layer, Positive = Presence of Cr(VI) coating / surface layer; (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 Cr(VI) coating / surface layer,
 - Positive = Presence of Cr(VI) coating / surface layer 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 Regulated
 7. This is the additional test report of KA/2008/A1940 which was issued on 2008/10/29. Please refer to KA/2008/A1940 for original information.

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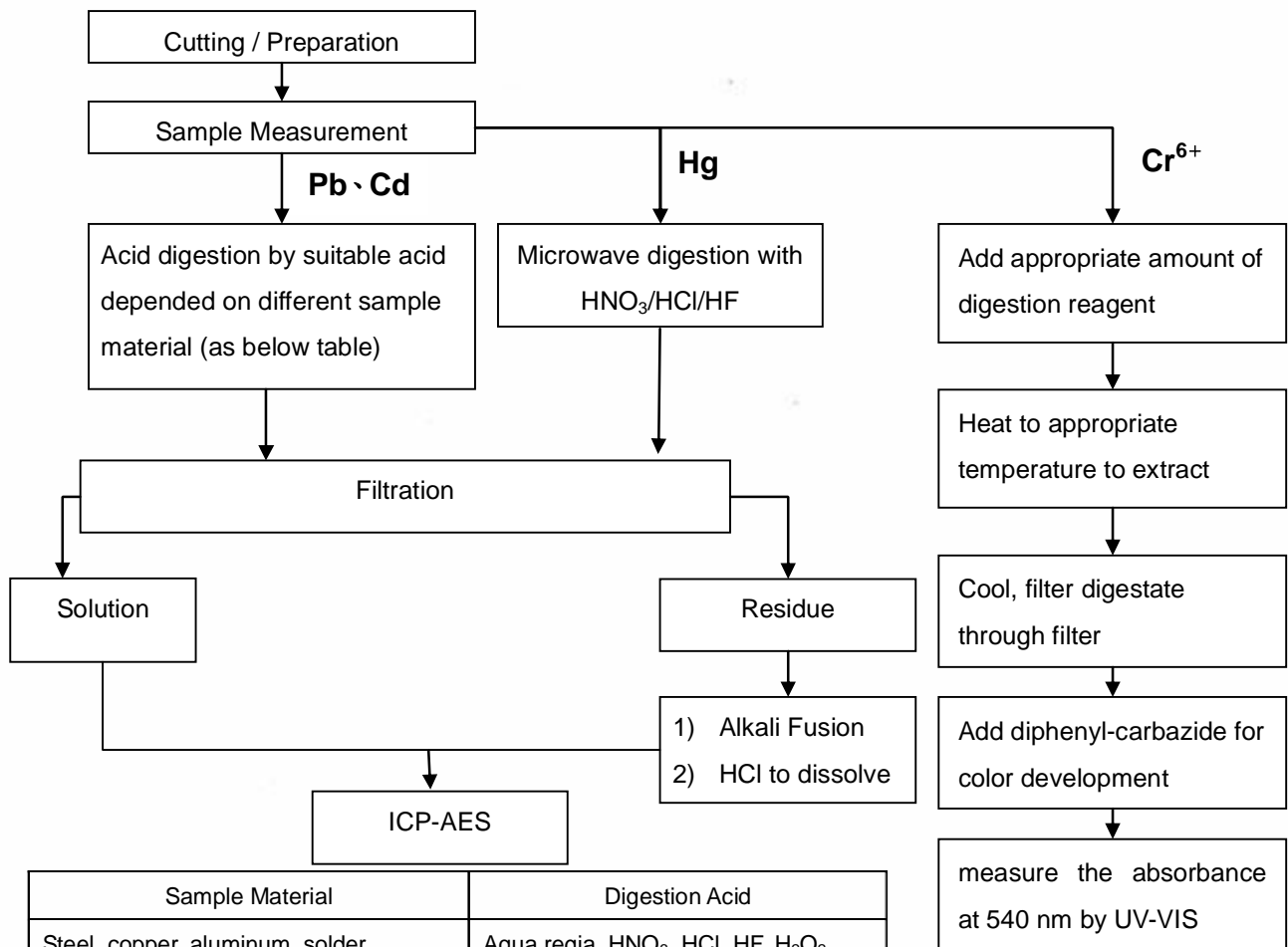
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- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr⁶⁺ test method excluded)
- 2) Name of the person who made measurement: Hungming Li
- 3) Name of the person in charge of measurement: Ray Chang



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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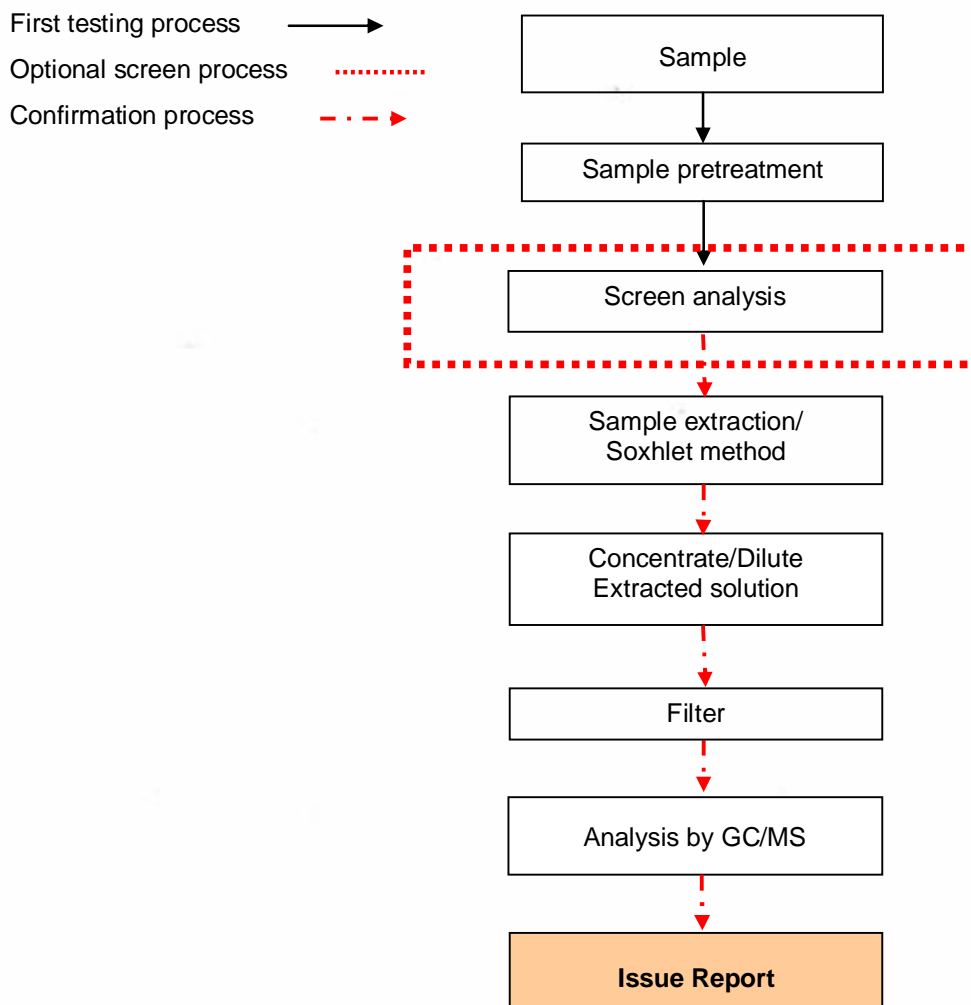
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PBB/PBDE analytical FLOW CHART

- 1) Name of the person who made measurement: Anson Tsao
- 2) Name of the person in charge of measurement: Ray Chang



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** End of Report **

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