

## Test Report

No. : CE/2010/A2197

Date : 2010/10/20

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XIAN YI PRECISION CO., LTD.  
17F. -1 , NO. 1249, JHONGJHENG RD., TAOYUAN CITY, TAOYUAN COUNTY  
330, TAIWAN



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

Sample Description : SPCC  
Style/Item No. : A – SERIES, B – SERIES, C – SERIES, D – SERIES, E – SERIES, F – SERIES, H – SERIES, J – SERIES, K – SERIES, M – SERIES, N – SERIES, P – SERIES, R – SERIES, S – SERIES, T – SERIES, U – SERIES, V – SERIES, W – SERIES, Y – SERIES, Z – SERIES, GA – SERIES, GB – SERIES, GC – SERIES, GD – SERIES, GE – SERIES, GF – SERIES, GH – SERIES, GJ – SERIES, GK – SERIES, GM – SERIES, GN – SERIES, GP – SERIES, GR – SERIES, GS – SERIES, GT – SERIES, GU – SERIES, GV – SERIES, GW – SERIES, GY – SERIES, GZ – SERIES  
Sample Receiving Date : 2010/10/13  
Testing Period : 2010/10/13 TO 2010/10/20

Test Requested : In accordance with the RoHS Directive 2002/95/EC, and its amendment directives.

Test Method : With reference to IEC 62321: 2008  
Procedures for the Determination of Levels of Regulated Substances in Electrotechnical Products.  
(1) Determination of Cadmium by ICP-AES.  
(2) Determination of Lead by ICP-AES.  
(3) Determination of Mercury by ICP-AES.  
(4) Determination of Hexavalent Chromium by Spot test / boiling water extraction Method.

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

  
*Nicole Chien*  
Nicole Chien, Supervisor  
Signed for and on Behalf of  
SGS TAIWAN LTD.  
Chemical Laboratory - Taipei

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Test results by chemical method (Unit: mg/kg)

Test Item (s):	Method (Refer to)	Result	MDL
		No.1	
Cadmium (Cd)	(1)	n.d.	2
Lead (Pb)	(2)	2000	2
Mercury (Hg)	(3)	n.d.	2
Hexavalent Chromium Cr(VI) by Spot test / boiling water extraction	(4)	Negative	See Note 4

### TEST PART DESCRIPTION:

No.1 : SILVER COLORED METAL (INCLUDING THE PLATING LAYER)

#### Note :

1. mg/kg = ppm ; 0.1wt% = 1000ppm
2. n.d. = Not Detected
3. MDL = Method Detection Limit
4. 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 cm<sup>2</sup> sample surface area.

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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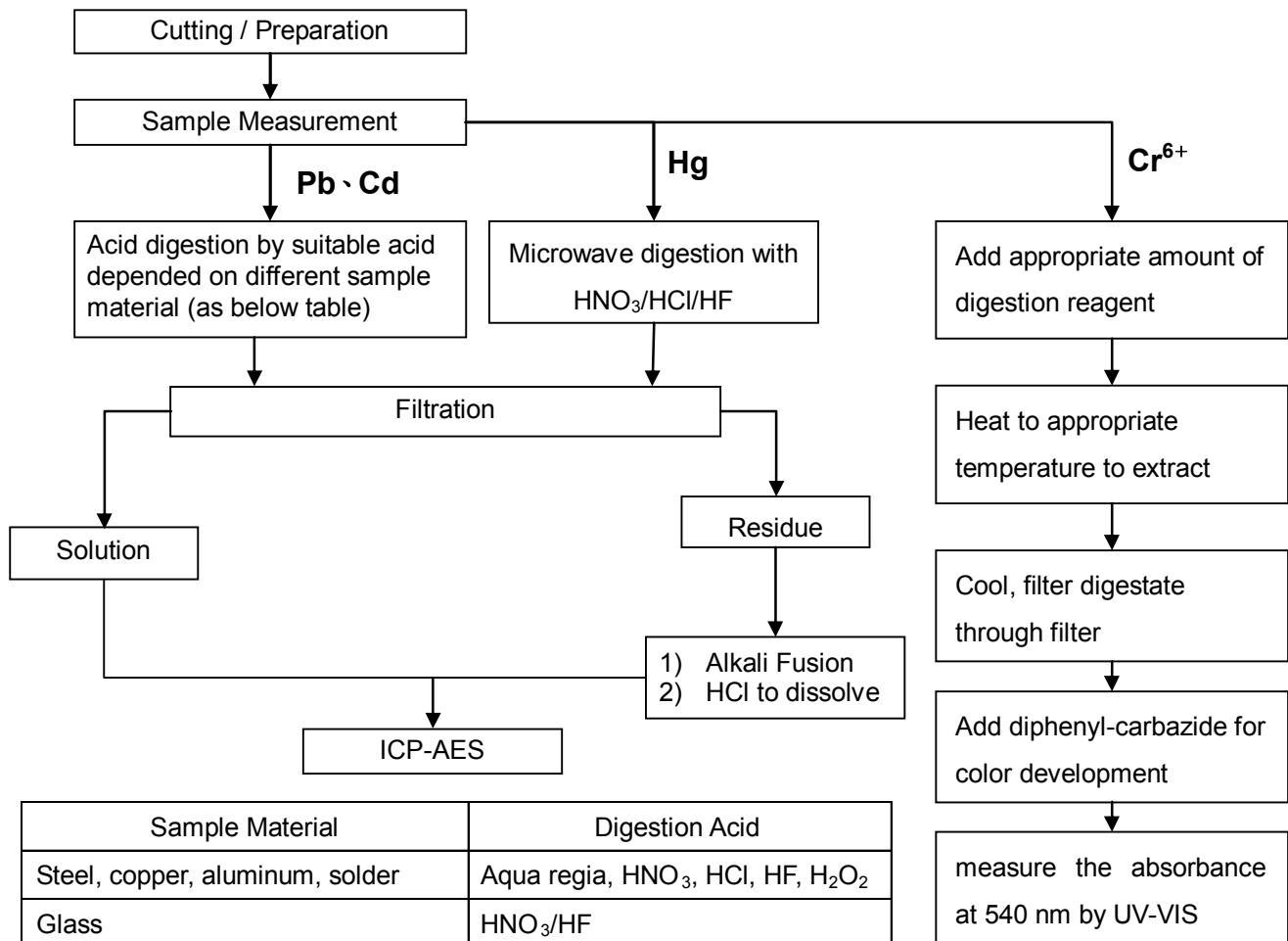
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- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart.  
 (Cr<sup>6+</sup> test method excluded)
- 2) Name of the person who made measurement: Climbgreat Yang
- 3) Name of the person in charge of measurement: Troy Chang



Sample Material	Digestion Acid
Steel, copper, aluminum, solder	Aqua regia, HNO <sub>3</sub> , HCl, HF, H <sub>2</sub> O <sub>2</sub>
Glass	HNO <sub>3</sub> /HF
Gold, platinum, palladium, ceramic	Aqua regia
Silver	HNO <sub>3</sub>
Plastic	H <sub>2</sub> SO <sub>4</sub> , H <sub>2</sub> O <sub>2</sub> , HNO <sub>3</sub> , HCl
Others	Any acid to total digestion

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\*\* End of Report \*\*

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