

# Test Report

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

Sample Description :  
Buyer/Order No. :  
Sample Receiving Date: 2010/06/02  
Testing Period : 2010/06/02 TO 2010/06/07

**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 Calcium by ICP-AES.
- (2) Determination of Lead by ICP-AES.
- (3) Determination of Mercury by ICP-AES.
- (4) Determination of Hexavalent Chromium by boiling water extraction (UV-VIS) Method.

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

**Conclusion :** Based upon the performed tests by submitted samples, the test results of Cadmium, Lead, Mercury and Hexavalent Chromium Cr(VI)s comply with the limits of RoHS Directive 2002/95/EC and its subsequent amendments.

*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	RoHS Limit
		No. 1		
Cadmium (Cd)	(1)	n.d.	2	100
Lead (Pb)	(2)	n.d.	2	1000
Mercury (Hg)	(3)	n.d.	2	1000
Hexavalent Chromium Cr(VI) by boiling water extraction (See Note 4)	(4)	n.d.	2	1000

## TEST PART DESCRIPTION:

NO.1 : GOLDEN COLORED METAL

### Note :

1. mg/kg = ppm ; 0.1wt% = 1000ppm
2. n.d. = Not Detected
3. MDL = Method Detection Limit
4. Test process and/or expression of test result have been specified by client.

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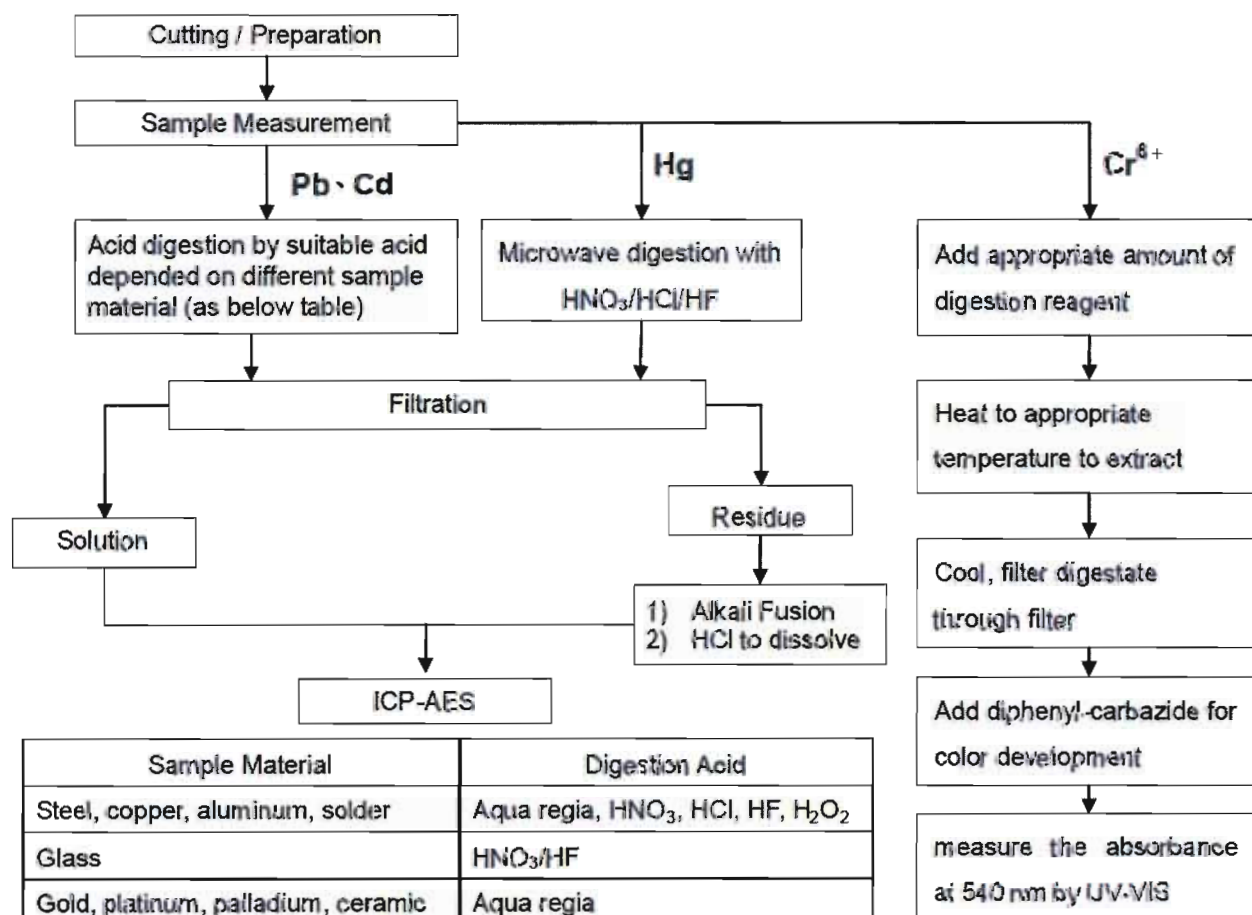
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- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr<sup>6+</sup> test method excluded)
- 2) Name of the person who made measurement: Climbgreat Yang
- 3) Name of the person in charge of measurement: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