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TAK CHEONG ELECTRONICS SHANWEI CO., LTD. BUBIAN INDUSTRIAL ZONE, SHANWEI CITY, GUANGDONG, P.R.C.



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

Sample Description

TO220 PRODUCT

SGS Ref No.

SZ11636917-2.2

Style/Item No.

TO220 FULL PACKAGE, TO220AB

Sample Receiving Date

2009/02/27

Testing Period

2009/02/27 TO 2009/03/05

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.

Determination of Cadmium by ICP-AES.

(2) Determination of Lead by ICP-AES.

(3) Determination of Mercury by ICP-AES.

Determination of Hexavalent Chromium by Spot test / boiling water extraction

Method.

Test Result(s)

Please refer to next page(s).

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 No.1	MDL
Lead (Pb)	(2)	7	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

MIXED SILVER COLORED METAL (INCLUDING THE PLATING LAYER) (2 TYPE)

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 cm² sample surface area.

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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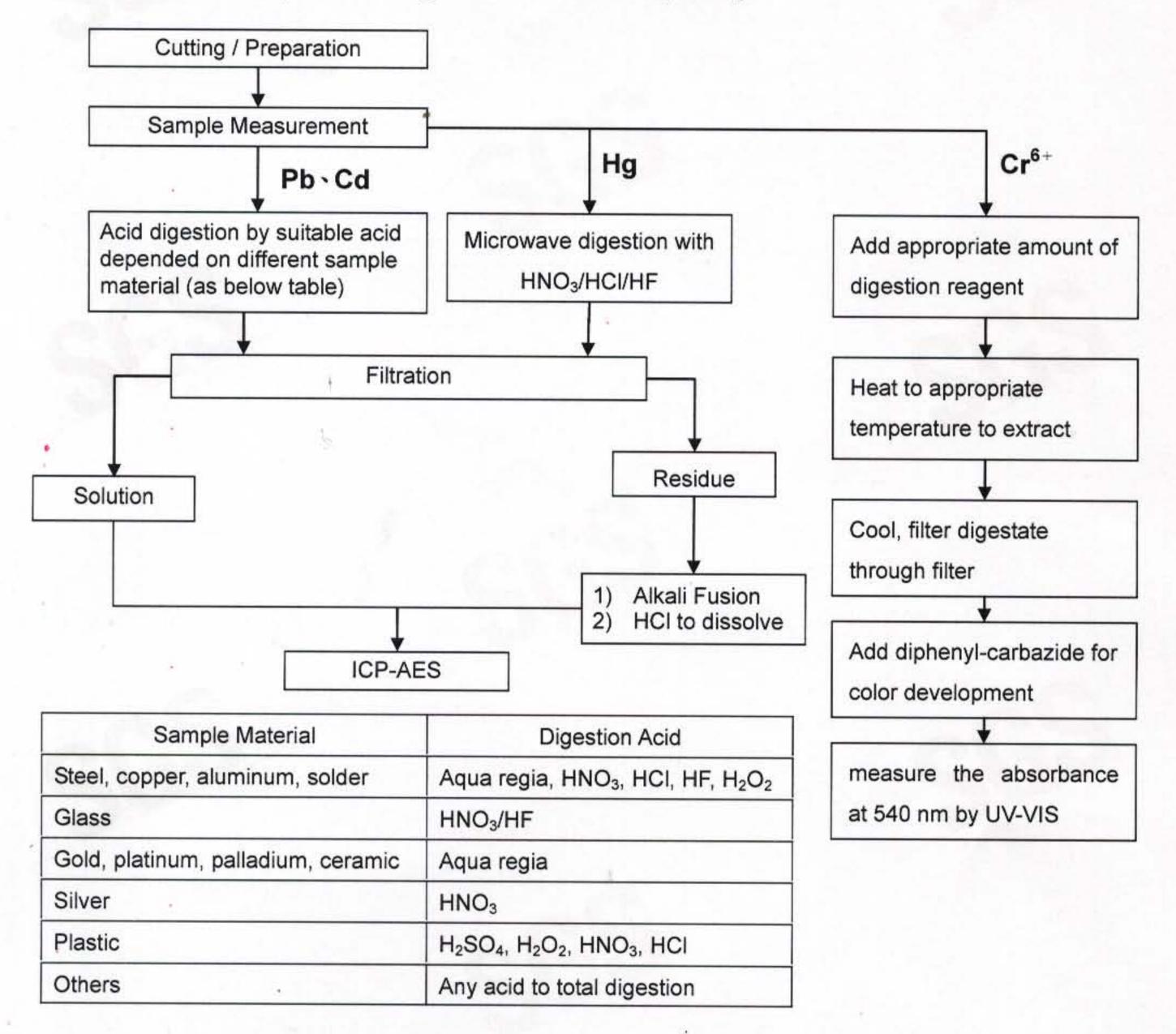


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- These samples were dissolved totally by pre-conditioning method according to below flow chart.
 (Cr⁶⁺ test method excluded)
- 2) Name of the person who made measurement: Climbgreat Yang
- 3) Name of the person in charge of measurement: Troy Chang



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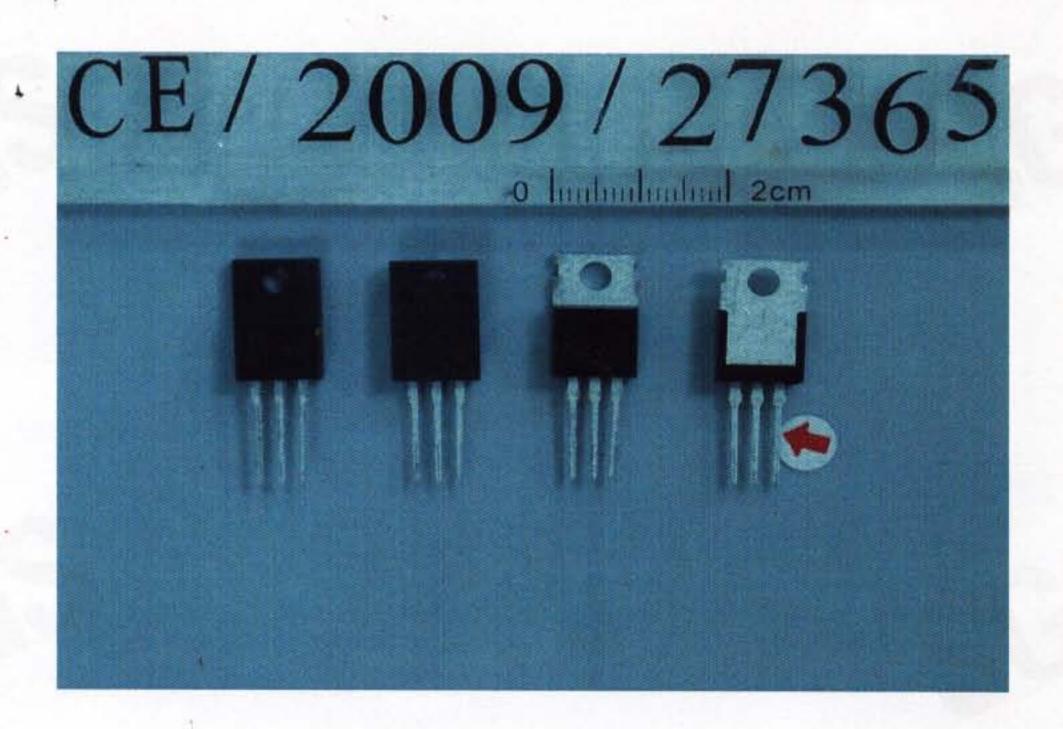


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** End of Report **

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