

Test Report

No. : CE/2012/45189 Date : 2012/04/30 Page : 1 of 5

ELEKTRISOLA (MALAYSIA) SDN. BHD.
JALAN DAMAI 1, JANDA BAIK, 28750 BENTONG, PAHANG, MALAYSIA



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

Sample Description : ELEKTRISOLA BARE COPPER WIRE
Sample Receiving Date : 2012/04/24
Testing Period : 2012/04/24 TO 2012/04/30

=====
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/2012/45189 Date : 2012/04/30 Page : 2 of 5

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Test Result(s)

PART NAME No.1 : COPPER 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 |
| Beryllium (Be) | mg/kg | With reference to US EPA Method 3050B for Beryllium Content. Analysis was performed by ICP-AES. | 2 | n.d. |

Note :

1. mg/kg = ppm ; 0.1wt% = 1000ppm
 2. n.d. = Not Detected
 3. MDL = Method Detection Limit
 4. ** = Qualitative analysis (No Unit)
 5. # = 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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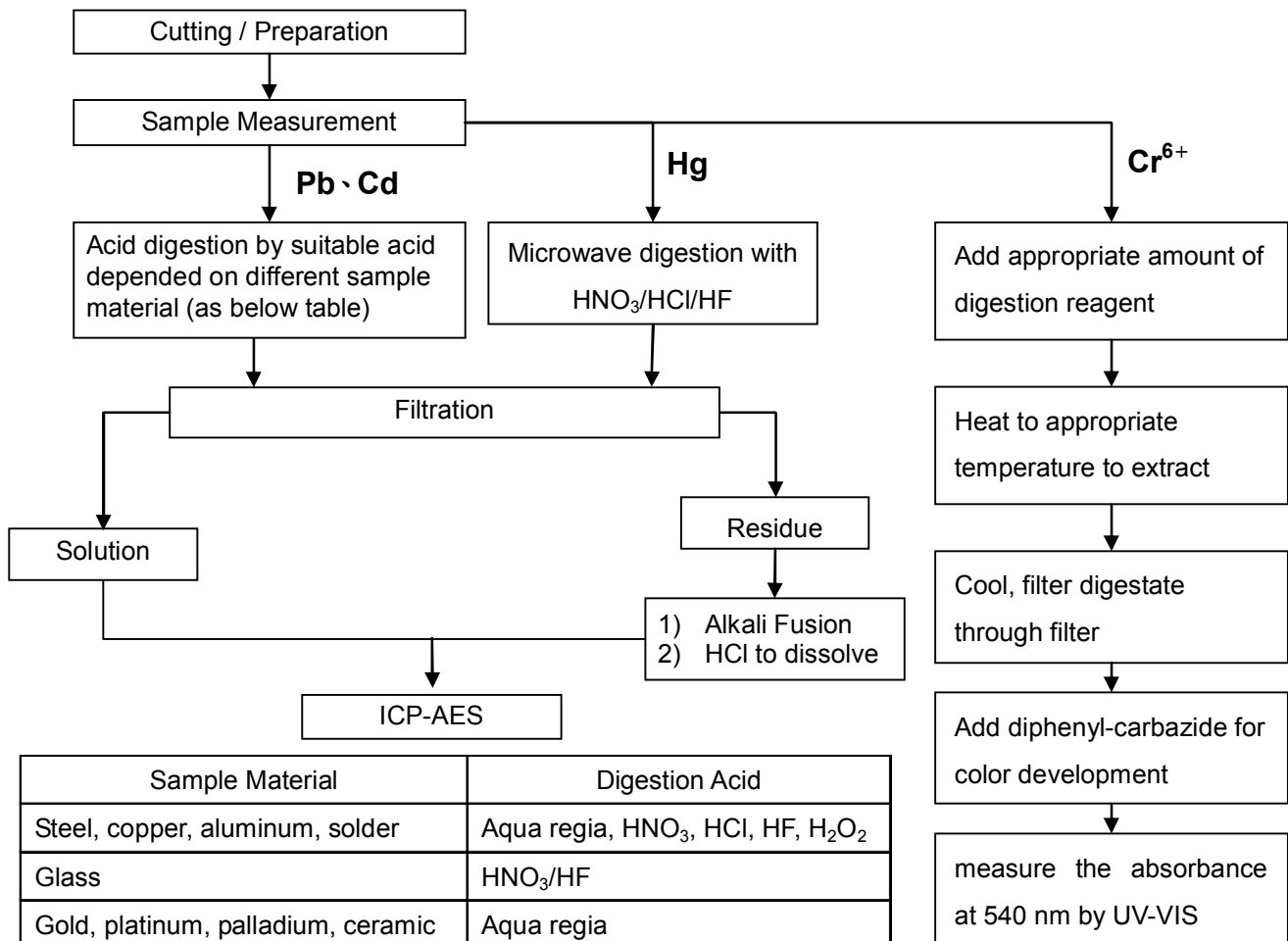
Test Report

No. : CE/2012/45189 Date : 2012/04/30 Page : 3 of 5

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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



| 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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Test Report

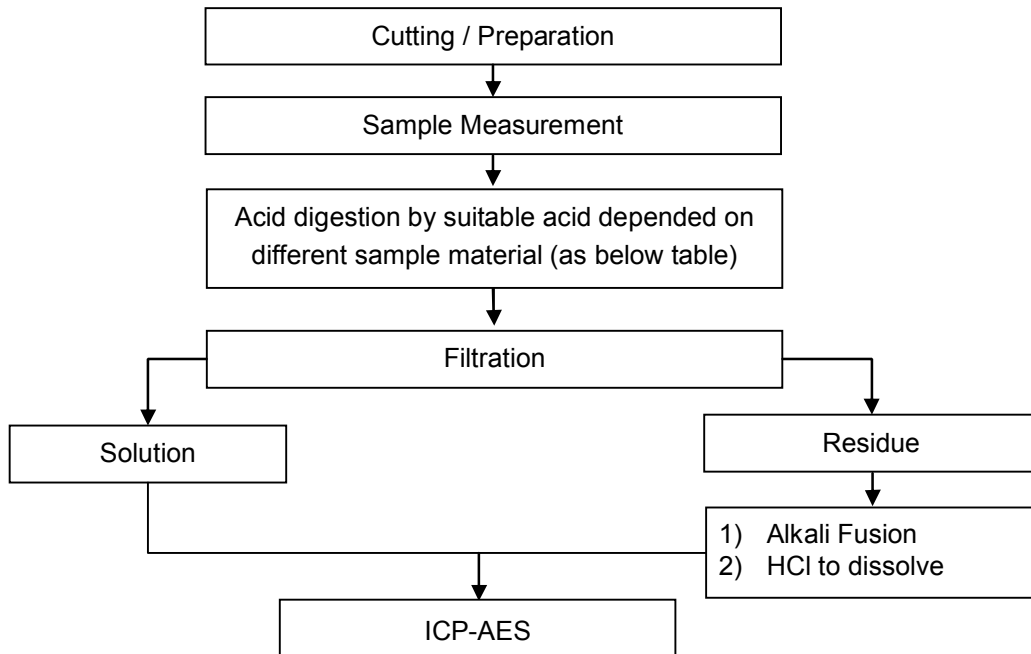
No. : CE/2012/45189 Date : 2012/04/30 Page : 4 of 5

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- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart.
- 2) Name of the person who made measurement: Climbgreat Yang
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Flow Chart of digestion for the elements analysis performed by ICP-AES



| | |
|------------------------------------|---|
| 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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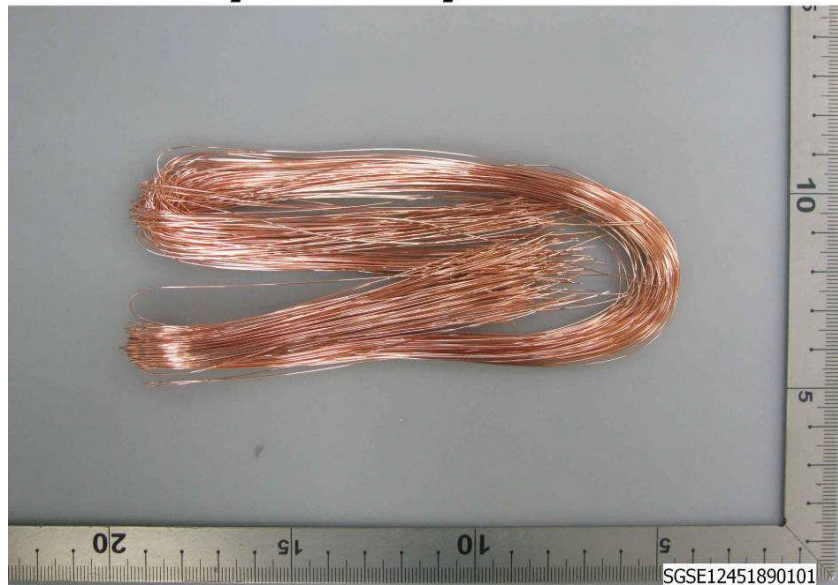
No. : CE/2012/45189 Date : 2012/04/30 Page : 5 of 5

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

CE/2012/45189



** End of Report **

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