

Test Report

SUMITOMO METAL MINING CO.,LTD ELECTRONICS DIVISION.

1-6-1 SUEHIRO-CHO,OME-SHI,TOKYO 198-8601 JAPAN.

Report No. : KA/2007/30158

Date : 2007/03/06

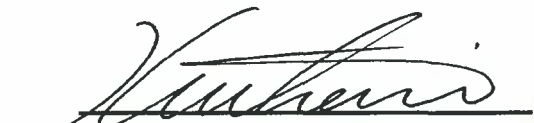
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The following sample(s) was/were submitted and identified by/on behalf of the client as :

Sample Description	:	GOLD BONDING WIRE
Style/Item No.	:	NL-F/NL-F-1/NL-F-A
Sample Receiving Date	:	2007/03/01
Testing Period	:	2007/03/01 TO 2007/3/6

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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TW4543377



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Test Result(s)

PART NAME NO.1 : GOLD WIRE

Test Item (s)	Unit	Method	MDL	Result
				No. 1
Silver (Ag)	mg/kg	With reference to US EPA 3052. Analysis was performed by ICP-AES.	2	n.d
Cadmium (Cd)	mg/kg	With reference to BS EN 1122:2001, Method B for Cadmium Content. Analysis was performed by ICP-AES.	2	n.d.
Hexavalent Chromium Cr(VI)	mg/kg	With reference to US EPA Method 3060A & 7196A for Hexavalent Chromium for non-metallic samples. Analysis was performed by UV/Vis Spectrometry.	2	n.d.
copper (Cu)	mg/kg	With reference to US EPA 3052. Analysis was performed by ICP-AES.	2	n.d
Iron (Fe)	mg/kg	With reference to US EPA 3052. Analysis was performed by ICP-AES.	2	n.d
Mercury (Hg)	mg/kg	With reference to US EPA Method 3052 for Mercury Content. Analysis was performed by ICP-AES.	2	n.d.
Magnesium (Mg)	mg/kg	With reference to US EPA 3052. Analysis was performed by ICP-AES.	5	n.d
Lead (Pb)	mg/kg	With reference to EPA Method 3050B for Lead Content. Analysis was performed by	2	n.d.
Silicon (Si)	mg/kg	SGS IN HOUSE	2	n.d

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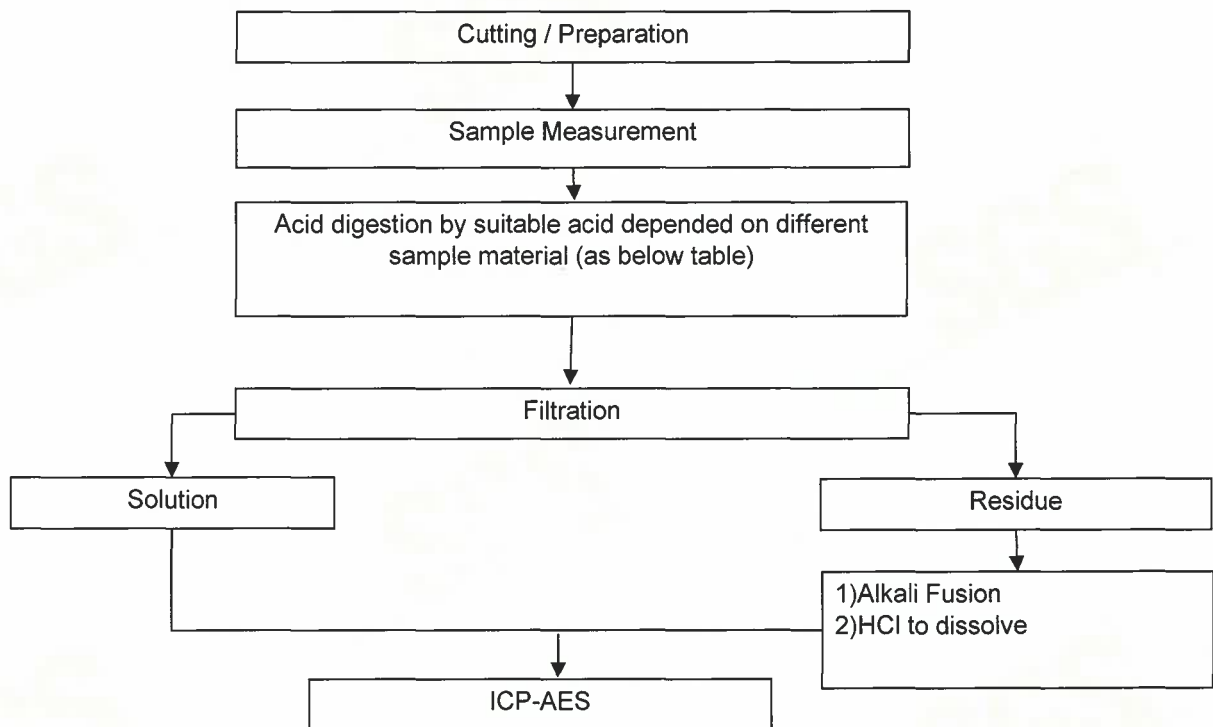
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- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart.
- 2) Name of the person who made measurement: Hungming Li
- 3) Name of the person in charge of measurement: George Huang

Method 1: Flow Chart of Digestion for Cd、Pb analysis



Steel, copper, aluminum, solder	Agua 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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