

Test Report

No. : CE/2020/45309

Date : 2020/05/04

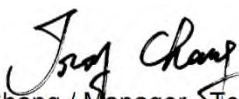
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HITACHI CHEMICAL ELECTRONIC MATERIALS (HONG KONG) LIMITED
NO.6-8 DAI WANG STREET, TAI PO INDUSTRIAL ESTATE, TAI PO, NEW TERRITORIES, HONG KONG

The following samples was/were submitted and identified by/on behalf of the applicant as :

Sample Submitted By : HITACHI CHEMICAL ELECTRONIC MATERIALS (HONG KONG) LIMITED
Sample Description : COPPER FOIL B
Sample Receiving Date : 2020/04/27
Testing Period : 2020/04/27 to 2020/05/04

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Test Result(s) : Please refer to following pages.


Troy Chang / Manager - Tech
Signed for and behalf of
SGS TAIWAN LTD.
Chemical Laboratory - Taipei



PIN CODE: 03F06152

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Test Result(s)

PART NAME No.1 : COPPER COLORED/ORANGE FOIL

Test Item(s)	Unit	Method	MDL	Result
				No.1
Beryllium (Be)	mg/kg	With reference to US EPA 3050B (1996). Analysis was performed by ICP-OES.	2	n.d.
Antimony (Sb)	mg/kg	With reference to US EPA 3052 (1996). Analysis was performed by ICP-OES.	2	n.d.

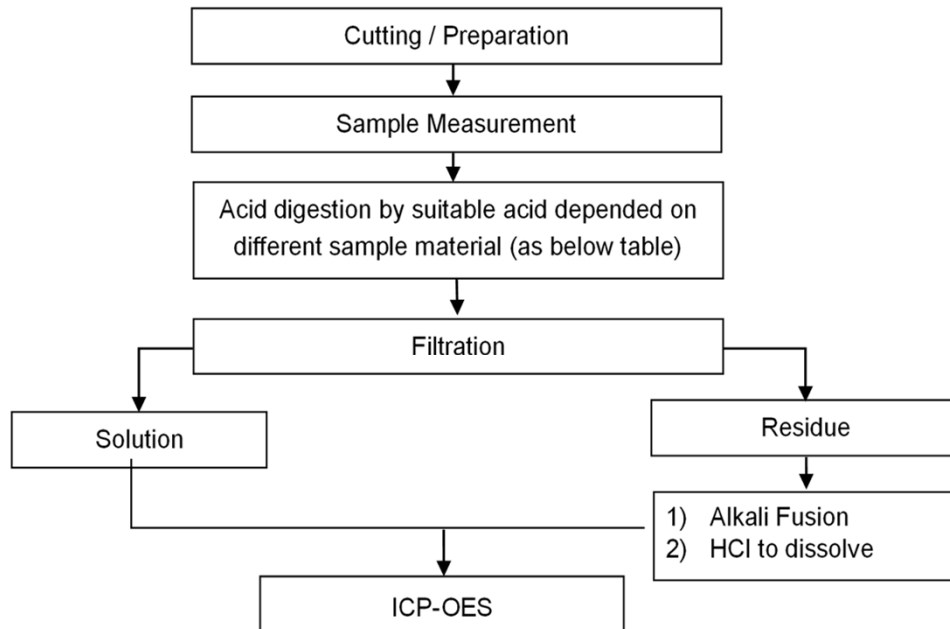
Note :

1. mg/kg = ppm ; 0.1wt% = 1000ppm
2. MDL = Method Detection Limit
3. n.d. = Not Detected = less than MDL

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Flow Chart of digestion for the elements analysis performed by ICP-OES

These samples were dissolved totally by pre-conditioning method according to below flow chart.



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	Added appropriate reagent to total digestion

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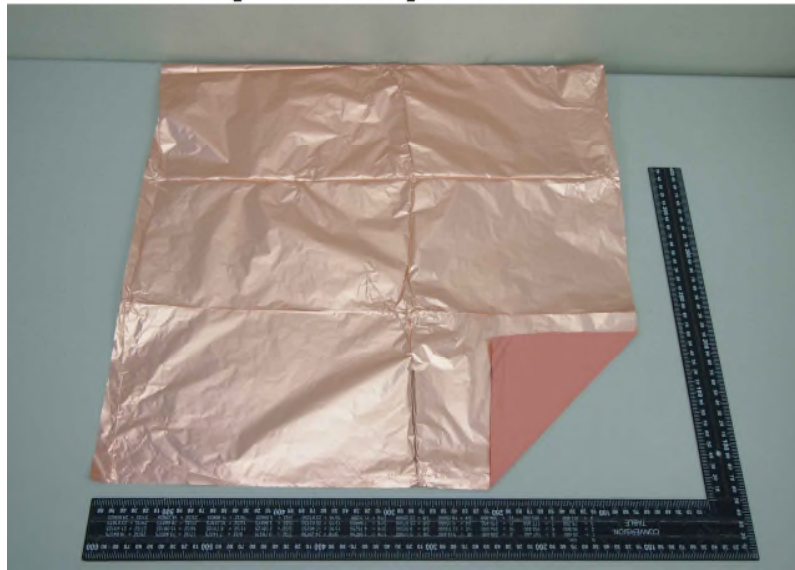
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* The tested sample / part is marked by an arrow if it's shown on the photo. *

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** End of Report **

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