

Test Report

No. SH8004800/ CHEM Date: Jan. 14, 2008

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NINGBO SHENGZHIDAO SOLDERING TIN MATERIAL CO., LTD
SUJIAYUAN INDUSTRY ZONE, LIZHOU STREET, YUYAO CITY, ZHEJIANG PROVINCE

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

Sample Name : LEAD-FREE SOLDERING WIRE
SGS Ref No. : 10804769-1
Main Substance : Sn99.3Cu0.7

Sample Receiving Date : Jan.10, 2008
Testing Period : Jan.10 – 14, 2008

Test Requested : To determine the Cadmium, Lead, Mercury, Hexavalent Chromium Content of the submitted sample.

Test Method : (1) With reference to IEC 62321 Ed.1 111/54/CDV for Cadmium content
Analysis was performed by ICP.
(2) With reference to IEC 62321 Ed.1 111/54/CDV for Lead content
Analysis was performed by ICP and AAS.
(3) With reference to IEC 62321 Ed.1 111/54/CDV for Mercury content
Analysis was performed by ICP.
(4) With reference to IEC 62321 Ed.1 111/54/CDV for Hexavalent Chromium by
spot test / Colorimetric Method.

Test Results : Please refer to next pages

Signed for and on behalf of
SGS-CSTC Chemical Laboratory



Ella Zhang
Section Manager

Signed for and on behalf of
SGS-CSTC Chemical Laboratory



Sandy Hao
Lab Manager

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Test results by chemical method (Unit: mg/kg)

Test Item(s):	Method (refer to)	1	MDL
Cadmium(Cd)	(1)	ND	2
Lead (Pb)	(2)	44	2
Mercury (Hg)	(3)	ND	2
Hexavalent Chromium (CrVI) by Spot test / boiling water extraction	(4)	Negative	See Note (4)

Test Part Description:

1.Silvery metal wire

Note:

- (1) mg/kg = ppm
- (2) ND = Not Detected
- (3) MDL = Method Detection Limit
- (4) Spot-test:
 Negative = Absence of CrVI coating, Positive = Presence of CrVI coating;
 (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 CrVI coating
 Positive = Presence of CrVI coating; the detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm² sample surface area.

Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***