

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

**KESTER SOLDER BAR
SN96.5/AG3/CU0.5 ALLOY IN
APPROX. 750GM E-BAR**

Name of Analysis	Result	Min Spec	Max Spec
Sn	BALANCE		BALANCE
Pb	0.058		0.100
Sb	0.008		0.100
Cu	0.504	0.400	0.600
Au	0.000		0.050
Al	0.000		0.002
Cd	0.0004		0.0005
Zn	0.000		0.002
Ag	2.924	2.800	3.200
Bi	0.001		0.100
As	0.014		0.030
Fe	0.002		0.020
Ni	0.000		0.010



Test Report

Kester Components Pte Ltd
500 Chai Chee Lane
Singapore 469024

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Order No. : 10010248C/04
Date : 12-11-2004
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The following merchandise was (were) submitted and identified by the client as:

Sample Description : Alloy for Lead Free Bar Wire & Paste - Tin, Silver & Copper (Sn / Ag / Cu)
Sample Received : NOV 01 2004
Testing Date : NOV 02 - 12 2004

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Test Requested : 1) To determine the Hexavalent Chromium Content on the submitted sample.
2) To determine the Cadmium Content on the submitted sample in accordance with the EEC Directive 91/338/EEC.
3) To determine the Mercury Content on the submitted sample.
4) To determine the Lead Content on the submitted sample.
Test Method : 1) With reference to EPA3060A and EPA 7196A, the analysis was performed by Ultra Violet Spectrometer. (UV-VIS)
2) With reference to BS EN 1122B:2001, the analysis was performed by Inductively Coupled Argon Plasma - Atomic Emission Spectrometry (ICP-AES)
3) With reference to EPA3052, the analysis was performed by Cold Vapor Atomic Absorption Spectrophotometer (CVAAS) / Mercury Analyzer.
4) With reference to EPA3050B, the analysis was performed by Inductively Coupled Argon Plasma - Atomic Emission Spectrometry (ICP-AES)

Test Result : - Please see the next page -



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Page : 2 of 2

Sample Description : Alloy for Lead Free Bar Wire & Paste - Tin, Silver & Copper (Sn / Ag / Cu)

Test Result

Test Item (a)	Unit	Method	Instrument	MDL	Results
Chromium VI (Cr ^{VI})	ppm	EPA 3060A & EPA 7190EA	UV	2	N.D.
Cadmium (Cd)	ppm	BS EN 1122B:2001	ICPAES	2	N.D.
Mercury (Hg)	ppm	EPA 3052	Mercury Analyzer	2	N.D.
Lead (Pb)	ppm	EPA 3050B	ICPAES	2	N.D.

NOTE : (1) N.D. = Not detected (<MDL)
(2) ppm = mg/kg
(3) MDL - Method Detection Limit

SGS Testing & Control Services Singapore Pte Ltd


Sharon Chan
Assistant Manager