



Mag Layers Scientific-Technics., Co., Ltd

Material description

Mag. Layers certifiy below statement for material description

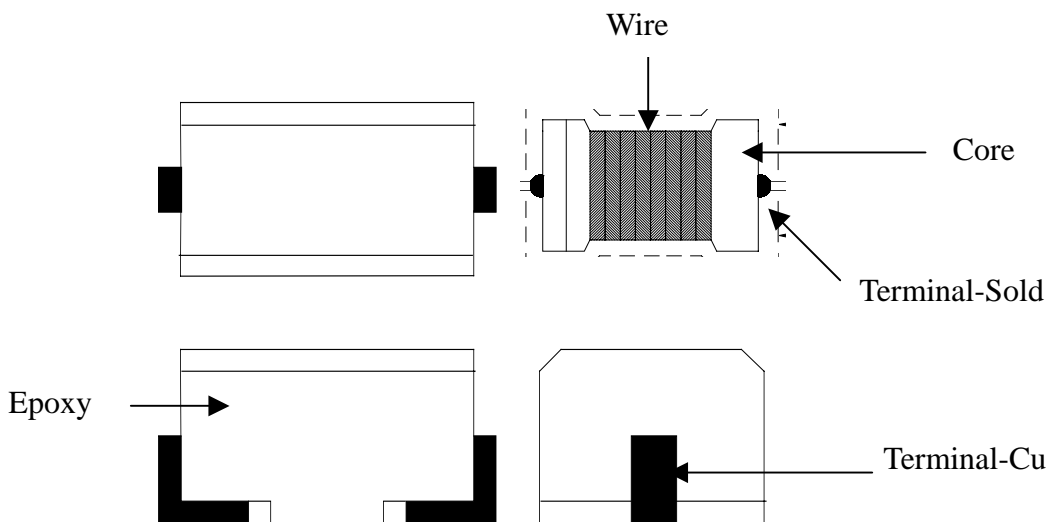
Component type :

Wire wound type :

Wound Ferrite Chip Inductors SMI SERIES

Description :

1. Drawing :



2. Material:

Compliant to Restriction of the use of certain hazardous substances in Electrical and Electronic Equipment (RoHs) and Sony SS-00259.

Name of material	Lead	Hg	Cd	Cr+6	Report NO
Ferrite Core	ND	ND	ND	ND	SH308466/CHEM
Solder	192.6 ppm	ND	ND	ND	CY/2003/21422A
Wire	ND	ND	ND	ND	CY/2003/11631
Epoxy	-	-	<5.0ppm	-	2049115/LD
Terminal	5.0ppm	<5.0ppm	<5.0ppm	-	CY/2002/20117

N.D. : Non-detected(<2.0ppm)

Prepared by : QC Engineer *Miinshiong Hsu*

Approved by : QC Manager *Thomas Liao*

Date : 2004/07/05

Test Report

No. SH308466/CHEM

Date: 8.29.2003

Page 1 of 1

ZHEJIANG TIANTONG ELECTRONICS CO., LTD
11 JIANSHE ROAD, GUO DIAN, HAINING, ZHEJIANG

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

Sample Description : NiZn-FERRITE CORES
Buyer : SONY
Model : NiZn

Sample Receiving Date : August 26, 2003
Testing Period : August 26 to August 29, 2003

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

Test method : In-house Method, Analysis was performed by Inductively Coupled Argon Plasma Spectrometry or Atomic Absorption Spectrometry.
Hexavalent Chromium : With reference to US EPA3060A and US EPA7196A

Test Results

Element	A
Cadmium (Cd)	N.D.
Lead (Pb)	N.D.
Mercury (Hg)	N.D.
Hexavalent Chromium (Cr VI)	N.D.

(Result shown is of the total weight of sample)

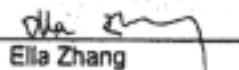
Sample Description:

A. Black metal

Note : ppm = mg/kg
N.D. = Non-detected (Cd, Pb, Detection limit <5.0 ppm; Hg, Cr VI Detection limit <2.0 ppm)

*** End of Report ***

Signed for and on behalf of
SGS-CSTC Chemical Laboratory


Ella Zhang
Supervisor

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SHCH 110767



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Test Report

新原金屬工業股份有限公司
新莊市化成路 83 號 9 號

報告號碼: CY/2003/21422A

日期: 2003/3/6

頁數: 1 OF 1

以下測試樣品乃供應廠商所提供及確認:

產品敘述: 焊錫 SOLDER
產品型號: M705
收件日期: 2003/02/11

測試項目:
測試方法:

測試樣品之錫、鉛、汞、銻、銻、砷、碲、銅、鎳、銀、
銻、鎢、鉍、鎘、鉍及鎳含量
錫: 用 ASTM E46
其他元素: 用感應耦合電漿原子發射光譜儀做分析

測試結果:

測試項目	結果	測試項目	結果
錫	未檢出 (<2.0 ppm)	鉛	14.2 ppm
鉛	192.6 ppm	銻	16.2 ppm
汞	未檢出 (<2.0 ppm)	銻	9.5 ppm
銻	81.9 ppm	鎳	29.1 ppm
錫	47.3 ppm	鎘	96.4 %
砷	10.8 ppm		
碲	未檢出 (<2.0 ppm)		
銅	未檢出 (<2.0 ppm)		
鎳	2.99 %		
銀	5082.3 ppm		

樣品敘述:
銀色金屬

樣品測試日期: 2003/02/24-03/06

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Daniel Yeh M.K./Asst. Manager
Signed for and on behalf of
SGS TAIWAN LTD.

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Test Report

JUNG SHING WIRE CO., LTD.
231, SEC. 3, CHUNG CHENG RD., JEN TEH HSIANG,
TAINAN HSIEN 717 TAIWAN

Report No: CY/2003/11631
Date: 2003/01/28
Page: 1 OF 1

The following merchandise was submitted & identified by the client as:

Type of Product: POLYURETHANE ENAMELED ROUND COPPER
MAGNET WIRE
Style/Item No: UEW
Manufacturer/Vendor: JUNG SHING WIRE CO., LTD.
Date of Sample received: 2003/01/17

Test Requested:

Lead, Cadmium, Mercury and Hexavalent Chromium content of submitted sample.

Test Method:

Metal: As per in house method.

Plastic

Lead: Analysis by US EPA 3050B.

Cadmium: Analysis by EN1122 method B.2001.

Mercury: Analysis by US EPA 3052.

Hexavalent Chromium: Analysis by US EPA7196A with advance treatment US EPA3060A.

Analysis by Inductively Coupled Plasma atomic emission spectroscopy techniques (ICP-AES)

Test Results:

Unit:ppm	Item	No.1
	Cd	N.D.
	Pb	N.D.
	Hg	N.D.
	Cr ⁶⁺	N.D.

Description:

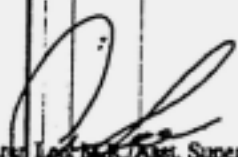
NO.1Gold color metal.

Note : Date of testing: 2003/01/20-01/28

ppm = Parts per million (mg/kg)

N.D.= Non-detected(<2.0ppm)

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Anny Lee, BSC, ASST. Supervisor
Signed for and on behalf of
SGS TAIWAN LTD.

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(852) 2363 3127 (Toys, Hardlines)

(852) 2334 2461 (Calibration)

(852) 2334 7827 / 2764 3278 (Textile & Footwear)

(852) 2768 3778 (Electrical)

(852) 2334 9085 (Chemical, Environmental, Food & Petroleum)

(852) 2603 7577 (Health Care & Pharmaceuticals)

Test Report

No. 2049115/LD

Date : Mar 26 2003

Page 1 of 1

GUANGZHOU WELLS CHEMICAL CO., LTD.
NO. 2, RONGHUAN ROAD S.,
EAST DEVELOPMENT AREA,
GUANGZHOU, CHINA

Report on the submitted samples said to be EPOXY RESIN.

SGS Job No. : 1330532
Style / Item No. : 6020H & 664-14
Supplier / Manufacturer : GUANGZHOU WELLS CHEMICAL CO LTD
Country of Origin : CHINA
Sample Receiving Date : MAR 24 2003
Testing Period : MAR 24 - 26 2003

Test Requested : To determine the Cadmium Content of the submitted samples.

Test Method : As specified in BS EN 1122:2001, Method B, analysis was performed by Atomic Absorption Spectrometry.

Test Results	: Element	<u>Black Plastic (6020H)</u>	<u>Grey Plastic (664-14)</u>
	: Cadmium (Cd)	< 5 ppm	< 5 ppm

(Results shown are of the total weight of samples)

Notes : < = Less than
ppm = mg/kg

Remark : Test was conducted in single trial.

*** End of Report ***

Signed for and on behalf of
SGS Hong Kong Ltd


Tony Chan
Senior Manager

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Test Report

MINCHALI METAL LTD.

Report No: CY/2002/20117

Date: 2002/02/18

Page : 1 OF 1

The following merchandise was submitted & identified by the client as:

Type of Product: 鍍青銅
Style/Item No: C5191 (PBP)
Manufacturer/Vendor: MINCHALI METAL LTD.
Country of Origin: TAIWAN
Date of Sample received: 2002/02/05

Test Requested:

The submitted sample(s) for compliance with the European standard EN 71 Part 3:1994 with the incorporation of amendments A1:2000.

Test Method:

Analysis by Inductively Coupled Plasma atomic emission spectroscopy.

Test Results:

EN 71 Part 3:1994 - with the incorporation of amendments A1:2000.

Migration of Certain Element

Element	1	PASS	Limit
Lead (Soluble)	5.0		90 mg/kg
Antimony (Soluble)	< 5.0		60 mg/kg
Arsenic (Soluble)	< 2.5		25 mg/kg
Barium (Soluble)	< 10.0		1000 mg/kg
Cadmium (Soluble)	< 5.0		75 mg/kg
Chromium (Soluble)	< 5.0		60 mg/kg
Mercury (Soluble)	< 5.0		60 mg/kg
Selenium (Soluble)	< 5.0		500 mg/kg

Description:

1. GOLD METAL

Note: Date of testing: 2002/02/18

< = Less than

* = Results shown are of the adjusted analytical results.

Conclusion:

The submitted sample(s) do comply with the requirement of EN 71 Part 3 :1994, with the incorporation of amendments A1:2000.

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