



Mag Layers Scientific-Technics., Co., Ltd

Material description

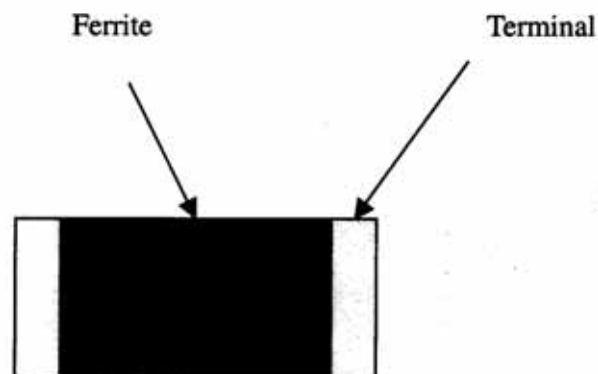
.....
Mag. Layers certify below statement for material description

Component type :

Multilayer Ferrite Chip Bead & Inductor Series

Description :

1. Drawing :



2. Ferrite :

Name of material	Lead	Hg	Cd	Cr+6	SGS Report NO
Ferrite powder-N1	16441.0 ppm	N.D.	N.D.	9.2	CY/2003/72480
Ferrite powder-N2	11911.4 ppm	N.D.	N.D.	N.D.	CY/2003/72694
Ferrite powder-N3	22972.3 ppm	N.D.	N.D.	N.D.	CE/2003/92215
Ferrite powder-N4	12751.1 ppm	N.D.	N.D.	N.D.	CY/2003/72696
Ferrite powder-S2	54.0 ppm	N.D.	N.D.	N.D.	CE/2004/31945

**Remark : Lead used for ceramic body and not defined as banned !
Like Sony SS-00259 and RoHS are not to stipulate.**

3. Terminal : Ag/Cu/Ni/Sn alloy ---- Lead free for alloy

Material testing report :

Name of material	Lead	Hg	Cr+6	Cd	SGS Report NO
Ag Paste	N.D.	N.D.	N.D.	N.D.	CE/2003/A0241
Ag Paste	N.D.	N.D.	N.D.	N.D.	CE/2003/A0240
Copper (Cu layer)	N.D.	N.D.	N.D.	N.D.	CM/2004/30299
Nickel (Ni layer)	N.D.	N.D.	N.D.	N.D.	KP/2003/90144
Tin (Sn layer)	36.8 ppm	N.D.	N.D.	N.D.	KA/2003/C0108

Prepared by : Mr. Hsu Miinshiong Miinshiong Hsu

Designation : QC Engineer

Date : 2004. 5. 21

Approved by : Mr. Liao Thomas Liao

Designation : QC Manager

Date : 5-21-2004

SGS**Test Report**

Report No: CY/2003/72480

Date: 2003/07/30

Page : 1 OF 1

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

Type of Product: FERRITE POWDER
Style/Item No: N1
Date of Sample received: 2003/07/23

Test Requested:

Hexavalent Chromium(Cr+6), Cadmium(Cd), Mercury(Hg) and Lead(Pb) content of submitted sample.

Test Method:

Hexavalent Chromium(Cr+6): As per US EPA3060A. and US EPA7196A.
 Cadmium(Cd) : As Per EN 1122, Method B:2001 or other acid digestion.
 Mercury(Hg) : :As Per US EPA 3052 or other acid digestion.
 Lead(Pb) : As Per US EPA 3050B or other acid digestion.
 Analysis by Inductively coupled Plasma atomic emission spectroscopy techniques.(ICP-AES)

Test Results:

Unit:ppm(mg/kg)	Item	No1
	Cadmium(Cd)	N.D.
	Mercury(Hg)	N.D.
	Lead(Pb)	16441.0
	Hexavalent Chromium(Cr+6)	9.2

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

Description:


No1 Brown powder.

Note : Date of testing: 2003/07/11-07/24 & 07/24-07/29

ppm = Parts per million (mg/kg)

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

This report is add-test CY/200370978 report


 Anren Lee, M.B./Asst. Supervisor
 Signed for and on behalf of
 SGS TAIWAN LTD.

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TW 0167850

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 台灣檢驗科技股份有限公司 | t (886-2) 2289-3939 | f (886-2) 2289-3237 | www.sgs.com.tw

Member of SGS Group (Specialized Institute for Surveillance)

TOTAL P.01

Test Report

MAG. LAYERS SCIENTIFIC-TECHNIC CO., LTD.
18 TZ-CHIANG RD., HSIN-CHU INDUSTRIAL PARK,
HUKOU, HSIN-CHU, TAIWAN 303, R.O.C.

Report No: CY/2003/72694
Date: 2003/07/31
Page : 1 OF 1

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

Type of Product: FERRITE POWDER
Style/Item No: N2
Date of Sample received: 2003/07/25

Test Requested:

Hexavalent Chromium(Cr⁶⁺), Cadmium(Cd), Mercury(Hg) and Lead(Pb) content of submitted sample.

Test Method:

Hexavalent Chromium(Cr⁶⁺): As per US EPA3060A. and US EPA7196A.
Cadmium(Cd) : As Per EN 1122, Method B:2001 or other acid digestion.
Mercury(Hg) : :As Per US EPA 3052 or other acid digestion.
Lead(Pb) : As Per US EPA 3050B or other acid digestion.
Analysis by Inductively coupled Plasma atomic emission spectroscopy techniques.(ICP-AES)

Test Results:


Unit:ppm(mg/kg)	No1
<u>Item</u>	
Cadmium(Cd)	N.D.
Mercury(Hg)	N.D.
Lead(Pb)	11911.4
Hexavalent Chromium(Cr ⁶⁺)	N.D.

Description:

No1 Dk. brown powder.

Note : Date of testing: 2003/07/28-07/31

ppm = Parts per million (mg/kg)
N.D.= Non-detected(<2.0ppm)


Anren Lee, M.R./Asst. Supervisor
Signed for and on behalf of
SGS TAIWAN LTD.

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TW0168497



Test Report

MAG. LAYERS SCIENTIFIC-TECHNIC CO., LTD.
18TZ-CHIANG RD., HSIN-CHU INDUSTRIAL PARK,
HUKOU, HSIN-CHU, TAIWAN 303, R.O.C.

Report No : CE/2003/92215
Date : 2003/10/07
Page : 1 of 1

The following merchandise was(were) submitted and identified by the client as :

Type of Product : FERRITE POWDER
Style/Item No : N3
Sample Received : 2003/09/30.
Testing Date : 2003/09/30 TO 2003/10/07

Test Result

PART NAME NO.1 : BROWN POWDER

Test Item(s):	Unit	Method	MDL	Result				Spec.
				NO.1				
Chromium VI (Cr+6)	ppm	As per US EPA 7196A and US EPA 3060A.	2	N.D.				---
Cadmium (Cd)	ppm	ICP-AES After As per EN 1122, Method B:2001 or other acid digestion.	2	N.D.				---
Mercury (Hg)	ppm	ICP-AES After As per US EPA 3050B or other acid digestion.	2	N.D.				---
Lead (Pb)	ppm	ICP-AES After As per US EPA 3050B or other acid digestion.	2	22972.3				---

- NOTE: (1) N.D. = Not detected.(<MDL)
 (2) ppm = mg/kg
 (3) MDL = Method Detection Limit
 (4) " --- " = Not Applicable
 (5) * = Results shown are of the adjusted analytical results.

Anren Lee, M.R. / Supervisor
Signed for and on behalf of
SGS TAIWAN LTD.

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TW 0276479

Test Report

MAG LAYERS SCIENTIFIC-TECHNIC CO., LTD.
18 TZ-CHIANG RD., HSIN-CHU INDUSTRIAL PARK,
HUKOU, HSIN-CHU, TAIWAN 303, R.O.C.

Report No: CY/2003/72696
Date: 2003/07/31
Page : 1 OF 1

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

Type of Product: FERRITE POWDER
Style/Item No: N4
Date of Sample received: 2003/07/25

Test Requested:

Hexavalent Chromium(Cr⁶⁺), Cadmium(Cd), Mercury(Hg) and Lead(Pb) content of submitted sample.

Test Method:

Hexavalent Chromium(Cr⁶⁺): As per US EPA3060A. and US EPA7196A.
Cadmium(Cd) : As Per EN 1122, Method B:2001 or other acid digestion.
Mercury(Hg) : As Per US EPA 3052 or other acid digestion.
Lead(Pb) : As Per US EPA 3050B or other acid digestion.
Analysis by Inductively coupled Plasma atomic emission spectroscopy techniques.(ICP-AES)

Test Results:


Unit:ppm(mg/kg)	No1
<u>Item</u>	
Cadmium(Cd)	N.D.
Mercury(Hg)	N.D.
Lead(Pb)	12751.1
Hexavalent Chromium(Cr ⁶⁺)	N.D.

Description:

No1 Dk. brown powder.

Note : Date of testing: 2003/07/28-07/31

ppm = Parts per million (mg/kg)
N.D.= Non-detected(<2.0ppm)


Anfen Lee, M.R./Asst. Supervisor
Signed for and on behalf of
SGS TAIWAN LTD.

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TW0168732



Test Report

MAG. LAYERS SCIENTIFIC-TECHNICS CO., LTD. Report No : CE/2004/31945
 NO.18, TZ-CHIANG ROAD, HSIN-CHU INDUSTRIAL Date : 2004/03/23
 PARE, HSIN-CHU, TAIWAN 303 R.O.C. Page : 1 of 1

The following merchandise was(were) submitted and identified by the client as :

Type of Product : FERRITE POWDER
 Style/Item No : S2
 Sample Received : 2004/03/16.
 Testing Date : 2004/03/16 TO 2004/03/23

Test Result

PART NAME NO.1 : DK-BROWN POWDER

Test Item(s):	Unit	Method	MDL	Result			
				NO.1			
Chromium VI (Cr+6)	ppm	As per US EPA 7196A and US EPA 3060A.	2	N.D.			
Cadmium (Cd)	ppm	ICP-AES After As per EN 1122, Method B:2001 or other acid digestion.	2	N.D.			
Mercury (Hg)	ppm	ICP-AES After As per US EPA 3052 or other acid digestion.	2	N.D.			
Lead (Pb)	ppm	ICP-AES After As per US EPA 3050B or other acid digestion.	2	54.0			

- NOTE: (1) N.D. = Not detected.(<MDL)
 (2) ppm = mg/kg
 (3) MDL= Method Detection Limit
 (4) " ---" = Not Applicable
 (5) " -" = Not Regulation
 (6) * = Results shown are of the adjusted analytical results.
 (7) **= Qualitative analysis(No Unit)
 (8) Negative = Undetectable / Positive = Detectable.


 Daniel Yen, M.A. Operation Manager
 Signed for and on behalf of
 SGS TAIWAN LTD.

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TW 0679587



Test Report

EXOJET TECHNOLOGY CORPORATION
 6F, NO.22, TAI YUEN STREET, CHUPEI, HSINCHU,
 TAIWAN, R.O.C. (TAI YUEN HI-TECH IND. PARK)

Report No : CE/2003/A0240
 Date : 2003/10/15
 Page : 1 of 1

The following merchandise was(were) submitted and identified by the client as :


Type of Product : SILVER PASTE
 Style/Item No : ML-5175
 Sample Received : 2003/10/03.
 Testing Date : 2003/10/03 TO 2003/10/15

Test Result

PART NAME NO.1 : SILVER COLOR PASTE

Test Item(s)	Unit	Method	MDL	Result				Spec.
				NO.1				
Cadmium (Cd)	ppm	ICP-AES After As per EN 1122, Method B:2001 or other acid digestion.	2	N.D.				

- NOTE: (1) N.D. = Not detected. (<MDL)
 (2) ppm = mg/kg
 (3) MDL = Method Detection Limit
 (4) " --- " = Not Applicable
 (5) * = Results shown are of the adjusted analytical results.


 Daniel Yeh, M.R. / Operation Manager
 Signed for and on behalf of
 SGS TAIWAN LTD.

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0318352



Test Report

EXOJET TECHNOLOGY CORPORATION
 6F, NO.22, TAI YUEN STREET, CHUPEI, HSINCHU,
 TAIWAN, R.O.C. (TAI YUEN HI-TECH IND. PARK)

Report No : CE/2003/A0241
 Date : 2003/10/15
 Page : 1 of 1

The following merchandise was(were) submitted and identified by the client as :


Type of Product : SILVER PASTE
 Style/Item No : ML-5175
 Sample Received : 2003/10/03.
 Testing Date : 2003/10/03 TO 2003/10/15

Test Result

PART NAME NO.1 : SILVER COLOR PASTE

Test Item(s)	Unit	Method	MDL	Result				Spec.
				NO.1				
Lead (Pb)	ppm	ICP-AES After As per US EPA 3050B or other acid digestion.	2	N.D.				

- NOTE: (1) N.D. = Not detected. (<MDL)
 (2) ppm = mg/kg
 (3) MDL = Method Detection Limit
 (4) " — " = Not Applicable
 (5) * = Results shown are of the adjusted analytical results.


 Daniel Yeh, M.R. / Operation Manager
 Signed for and on behalf of
 SGS TAIWAN LTD.

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0318351

05-APR-2004 09:39 FROM: T18

TO: Z-2032120667

P.01/03

SGS**Test Report**

南泰貿易有限公司
*338 桃園縣蘆竹鄉仁愛路一段15號

報告號碼 : CM/2004/30299
日期 : 2004/04/06
頁數 : 1 of 2

以下測試樣品乃供應廠商所提供及確認：

樣品名稱 : 鋼鋼球
收件日期 : 2004/03/29
測試日期 : 2004/03/29 TO 2004/04/06

測試結果 : - 詳見下一頁 -


Daniel Yen, M.P., Operation Manager
Signed for and on behalf of
SGS TAIWAN LTD.

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TW 0687269

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台灣檢驗科技股份有限公司

110, No. 1, Song Road, Wuwei Industrial Zone, Taipei County, Taiwan. / 台北縣五股工業區五二路110-1號

Tel: (886-2) 2289-2222

www.sgs.com.tw

Member of SGS Group (Pubblica Strada di Sesto San Giovanni)



SGS Taiwan Ltd.

286, Chung Hwa 2nd Road, Sen
Min District Kaohsiung, Taiwan.
Tel: (07) 3230920
Fax: (07) 3215489

報告號碼 : KP/2003/90144
頁 數 : 1 OF 1
日 期 : 2003/09/19

以下貨品係由客戶送樣，且由客戶聲稱並經客戶確認如下：

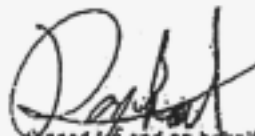
申請廠牌	東洋貿易有限公司
產品敘述	S 鎳餅 (S-Ni)
送樣日期	2003 09/05
送樣廠商	INCQ

測試結果：

測試項目	單位	測試方法	測試結果
鎳	ppm	ENV 1122	未偵測出
鉛	ppm	EPA 3050B	未偵測出

---000---

除非獲得本實驗室書面同意，此份報告不得擅自複製，但全部複製除外。


Signed for and on behalf of
SGS TAIWAN Ltd.

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TEST REPORT

REPORT NO. KA/2003/C0108

DATE: 2003/12/12

PAGE: 1 OF 1

THE FOLLOWING MERCHANDISE WAS(WERE) SUBMITTED AND IDENTIFIED BY THE CLIENT AS :

CLIENT : JAU JANQ ENTERPRISE CO.,LTD.
 PRODUCT DESCRIPTION : PURE TIN.
 TESTING DATE : 2003/12/08 TO 2003/12/12.
 SAMPLE RECEIVED : 2003/12/05.

=====

WE HAVE TESTED THE SAMPLE(S) SUBMITTED AS REQUESTED AND THE FOLLOWING RESULTS WERE OBTAINED.

TEST ITEM(S)	UNIT	METHOD	DET. LMT	RESULT
CADMIUM	ppm	ANALYSIS BY ICP-AES WITH ADVANCE TREATMENT EN1122, METHOD B:2001.	2	n.d.
CHROMIUM VI	ppm	ANALYSIS BY US EPA 7198A WITH ADVANCE TREATMENT US EPA 3060A.	2	n.d.
MERCURY	ppm	ANALYSIS BY ICP-AES WITH ADVANCE TREATMENT US EPA 3052	2	n.d.
LEAD	ppm	ANALYSIS BY ICP-AES WITH ADVANCE TREATMENT US EPA 3050B	2	36.8

NOTE : n.d. = not detected.

<END>



George Huang
 George Huang / Supervisor
 Sign for and on behalf of
 SGS Taiwan Limited

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