



**Test Report**

No.: GZ0708116007/CHEM

Date: AUG 20, 2007

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NELTRON INDUSTRIAL CO., LTD  
SCIENCE SERVICE PLAZA, HENG TIAN SECOND ROAD TANGXIA TOWN, DONGGUAN CITY, GUANGDONG  
CHINA

The following sample(s) was/were submitted and identified on behalf of the applicant as PBT  
Client Reference: See Remark

SGS Ref No. : SZ10513594-8.3  
Sample Receiving Date : AUG 14, 2007  
Testing Period : AUG 14, 2007 TO AUG 20, 2007

Test Requested : In accordance with the RoHS Directive 2002/95/EC, and its amendment directives.

Test Method : With reference to IEC 62321 Ed.1 111/54/CDV  
Procedures for the Determination of Levels of Regulated Substances in Electrotechnical Products  
(1) Determination of Cadmium by ICP.  
(2) Determination of Lead by ICP.  
(3) Determination of Mercury by ICP.  
(4) Determination of Hexavalent Chromium by Colorimetric Method.  
(5) Determination of PBBs and PBDEs by GC-MS.

Test Results : Please refer to next page.

Conclusion : Based on the performed tests on submitted sample(s), the results **comply with the RoHS Directive 2002/95/EC** and its subsequent amendments.

Signed for and on behalf of  
SGS-CSTC Ltd.

Jiang YongPing, Terry  
Sr. Engineer

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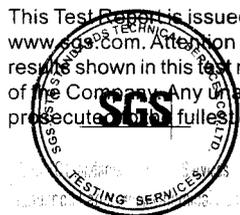
Test results by chemical method (Unit: mg/kg)

Test Item(s):	Method (refer to)	No.1	MDL	RoHS Limit
Cadmium(Cd)	(1)	N.D.	2	100
Lead (Pb)	(2)	15	2	1000
Mercury (Hg)	(3)	N.D.	2	1000
Hexavalent Chromium (CrVI) by alkaline extraction	(4)	N.D.	2	1000
<b>Sum of PBBs</b>		<b>N.D.</b>	<b>-</b>	<b>1000</b>
Monobromobiphenyl		N.D.	5	
Dibromobiphenyl		N.D.	5	
Tribromobiphenyl		N.D.	5	
Tetrabromobiphenyl		N.D.	5	
Pentabromobiphenyl		N.D.	5	
Hexabromobiphenyl		N.D.	5	
Heptabromobiphenyl		N.D.	5	
Octabromobiphenyl		N.D.	5	
Nonabromobiphenyl		N.D.	5	
Decabromobiphenyl		N.D.	5	
<b>Sum of PBDEs (Mono to Nona)(Note 4)</b>	(5)	<b>N.D.</b>	<b>-</b>	<b>1000</b>
Monobromodiphenyl ether		N.D.	5	
Dibromodiphenyl ether		N.D.	5	
Tribromodiphenyl ether		N.D.	5	
Tetrabromodiphenyl ether		N.D.	5	
Pentabromodiphenyl ether		N.D.	5	
Hexabromodiphenyl ether		N.D.	5	
Heptabromodiphenyl ether		N.D.	5	
Octabromodiphenyl ether		N.D.	5	
Nonabromodiphenyl ether		N.D.	5	
Decabromodiphenyl ether		N.D.	5	
<b>Sum of PBDEs (Mono to Deca)</b>		<b>N.D.</b>	<b>-</b>	<b>-</b>

**Test Part Description:**  
No.1 Black plastic grains

- Note :
1. mg/kg = ppm
  2. N.D. = Not Detected (< MDL)
  3. MDL = Method Detection Limit
  4. Sum of Mono to NonaBDE & according to 2005/717/EC DecaBDE is exempt.
  5. "-" = Not regulated

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Remark:

PBT 材質:								
序號	料號	材質	序號	料號	材質	序號	料號	材質
1	1201(V)-XX-5M(-SL)-FX	PBT	36	41612-32AB(48ABC/64AB/96ABC)-XX-FX	PBT	71	5514P(S)-XXWXX-FX	PBT
2	1202S-XX-0505(-M)(-XX)-FX	PBT	37	4400-XX(SR)	PBT	72	5515P(S)-XXWXX-FX	PBT
3	1211-XX/XX-FX	PBT	38	4401-XXSR-FX	PBT	73	6801S-XX-XX-FX	PBT
4	1230S(R)-XX-FX	PBT	39	4402-XXSR-FX	PBT	74	6803S-XX-XX-FX	PBT
5	1394R(S/UR)-XX(-TC)-FX	PBT	40	4403-XX-FX	PBT	75	7002-XPXC-FX	PBT
6	1600H(HB) Series (-FX)	PBT	41	4404A(B)-XX-FX	PBT	76	7005-XPXC-FX	PBT
7	1778MC(P/S)-XX-XX(-114)-FX	PBT	42	4405-XX-FX	PBT	77	7006-XPXC-FX	PBT
8	2205XX-FX	PBT	43	4406-XX-FX	PBT	78	7007-XPXC-FX	PBT
9	6901Series -(FX)	PBT	44	4407-XX-FX	PBT	79	7008-XPXC-FX	PBT
10	2208DI(S/R)-XXG(-XXX)	PBT	45	4408-XX-FX	PBT	80	7010V-X-XPXC-FX	PBT
11	2210S(R/DI)-XXG(-XXX)	PBT	46	4410-40SR-XX-FX	PBT	81	7062-XPXC-FX	PBT
12	2211DI(S/R/U)-XXG(03T)-XXG(LP/774/954)-FX	PBT	47	4412-XX	PBT	82	7250S-XPXC-FX	PBT
13	2212(2214)TBA-XXX-XXX(Height)	PBT	48	4415-XX	PBT	83	7290-XPXC-FX	PBT

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SGS 1545658



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14	2212111-XXG-XX-FX	PBT	49	4501-XXSR-FX	PBT	84	7666-2-6PXC-FX	PBT
15	2212S(BR/CS/DS/TB)-XXG(SG)-XX(86/66/36/57/85)-FX	PBT	50	5075AR(ARP/AR RP/AS/AUR)-08B(12C/16D)-XX	PBT	85	7731-8824-XXX-FX	PBT
16	2213DI(S/R)-XXG-XX(774/954)-FX	PBT	51	5075BR(BRP/BS)-04-XX	PBT	86	7801R-XX-70-FX	PBT
17	2214113-XXG-XX-FX	PBT	52	5501 Sseries -(FX)	PBT	87	7803R-XX-70-FX	PBT
18	2214BR(CS/DS/R/S/T B)-XXG(SG)-XX(86/66/85/36/57)-FX	PBT	53	5502 Series -(FX)	PBT	88	7810-XPXC-FX	PBT
19	2215S(R)-XXG-FX	PBT	54	5503 Series -(FX)	PBT	89	7907-X-XPXC-FX	PBT
20	2216S(R)-XXG-XX	PBT	55	5504F1 Series -(FX)	PBT	90	7908-X-XPXC-FX	PBT
21	2223S(R)-XX-FX	PBT	56	5504F1(FX) Series -(FX)	PBT	91	7950-XPXC-FX	PBT
22	2225ME(R/S)-XX(-XX)-FX	PBT	57	5504F1C Series -(FX)	PBT	92	95001-X-XPXC-FX	PBT
23	2227(P)-XX-XX-FX	PBT	58	5504F2 Series -(FX)	PBT	93	AY222-AY224	PBT
24	2228P-XXG-FX	PBT	59	5506 Series -(FX)	PBT	94	81XS(R/SMAP/XX)-XXX-(FX)	PBT
25	2228XG-FX	PBT	60	5508 Series -(FX)	PBT	95	921XS(R/SM/P/XX)-XXX-(FX)	PBT
26	2233S(R)-XXG-FX	PBT	61	5509 Series -(FX)	PBT	96	376XS(R/SM/P/XX)-XX-(FX)	PBT
27	2234S-XXG-FX	PBT	62	5510 Series -(FX)	PBT	97	121XS(R/SM/P/XX)-XX-(FX)	PBT
28	2316S(R)-XXG-FX	PBT	63	5510C Series -(FX)	PBT	98	201XS(R/SM/P/XX)-XXX-(FX)	PBT
29	2323S(R)-XX-FX	PBT	64	FO-X-00(02/04)-XX-FX	PBT	99	702XS(R/SM/P/XX)-XXX-XX-(FX)	PBT
30	2324S(R)-XX-FX	PBT	65	5511-HD15F-3PJ-FX	PBT	100	451XS(R/SM/P/XX)-XXX-XX-(FX)	PBT

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320M 1545659



Test Report

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Date: AUG 20, 2007

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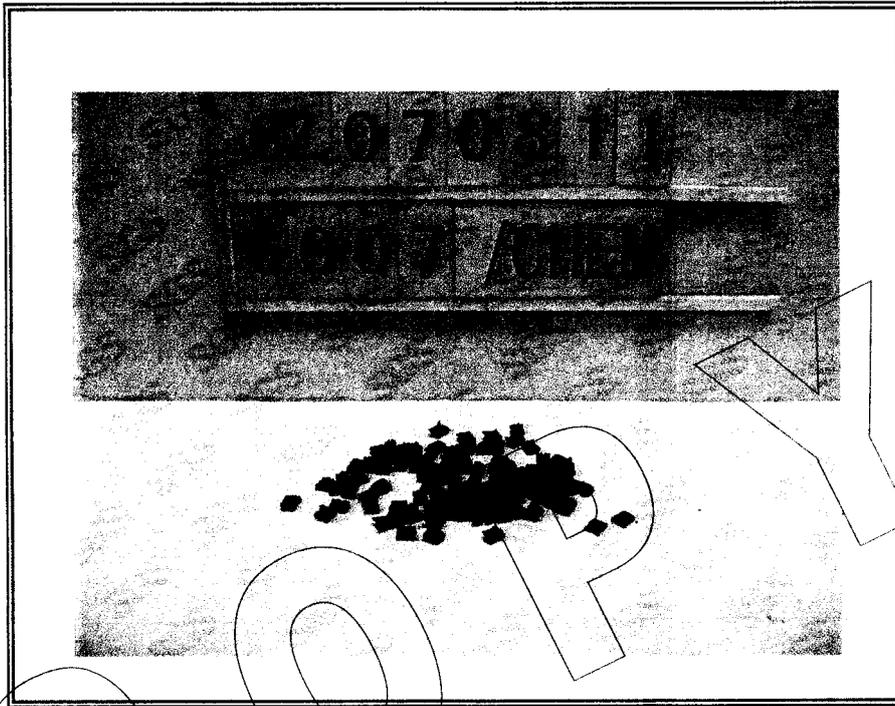
31	2325-XX-XX-FX	PBT	66	5511HD15FMD6S X2-FX	PBT	101	511XS(R/SM/P/XX)- XXX-XX-(FX)	PBT
32	5511-25S-09PHD15S- FX	PBT	67	5511-XXM/XXM- XX-XX-FX	PBT	102	681XS(R/SM/P/XX)- XXX-XX-(FX)	PBT
33	2392(R1)-2100-FX	PBT	68	5512 Series -(FX)	PBT	103	TAE-06-30	PBT
34	2425-XX-XX-FX	PBT	69	5513P(S)-XXWXX -FX	PBT			
35	3750A(C/G/H/S/R)-XX	PBT	70	5504F3Series- (FX)	PBT			

COPY

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2204 1545660

Sample photo :



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GZ0708116007 1545661

## Test Report

No. CANEC0700897102

Date: 06 Dec 2007

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TONG PENG METAL PRODUCTS(DONGGUAN)CO.,LTD  
XI XING JIE XIHU. LIN CUN. TANG XIA ZHEN. DONG GUAN SHI. GUANG DONG PROVINCE  
CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as :  
C2680R

SGS Job No. : 10714523 - SZ  
SGS Internal Reference No. : 6.2  
Supplier : POONGSAN  
Date of Sample Received : 03 Dec 2007  
Testing Period : 03 Dec 2007 - 06 Dec 2007

Test Requested : In accordance with the RoHS Directive 2002/95/EC, and its amendment directives.

Test Method : With reference to IEC 62321 Ed.1 111/54/CDV Procedures for the Determination of Levels of Regulated Substances in Electrotechnical Products.  
(1) Determination of Cadmium by ICP (Section 11/12/13).  
Determination of Lead by ICP (Section 11/12/13).  
Determination of Mercury by ICP (Section 10).  
(2) Determination of Hexavalent Chromium by Colorimetric Method (Section 8).

Test Results : Please refer to next page(s).

Conclusion : Based on the performed tests on submitted sample(s), the results comply with the RoHS Directive 2002/95/EC and its subsequent amendments.

Signed for and on behalf of  
SGS-CSTC Ltd.



Huang Fang, Sunny  
Sr. Engineer



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## Test Report

No. CANEC0700897102

Date: 06 Dec 2007

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

Test Item(s)	Method (Refer to)	No.1	MDL	RoHS Limit
Cadmium(Cd)	(1)	N.D.	2	100
Lead (Pb)	(1)	26	2	1000
Mercury (Hg)	(1)	N.D.	2	1000
Hexavalent Chromium (CrVI) by boiling water extraction	(2)	Negative	See Note 4	#

**Note:**

1. mg/kg = ppm
2. N.D. = Not Detected (< MDL)
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 cm<sup>2</sup> sample surface area.

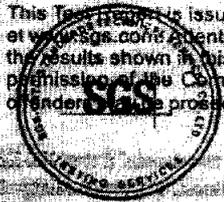
5. # = Positive indicates the presence of CrVI on the tested areas and result be regarded as conflict with RoHS requirement.  
Negative indicates the absence of CrVI on the tested areas and result be regarded as no conflict with RoHS requirement.

**Test Part Description**

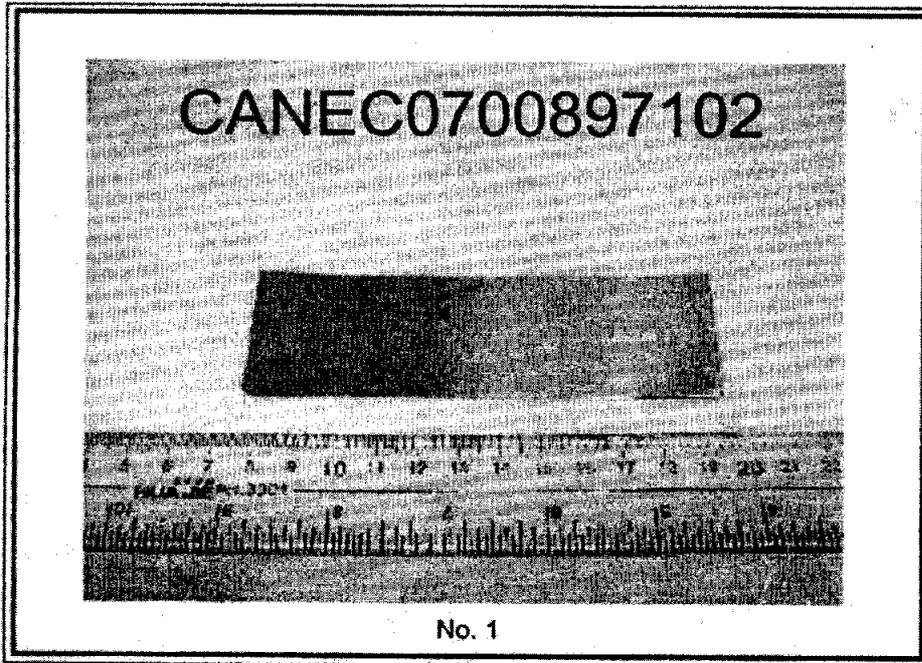
No. 1 Brassy metal sheet



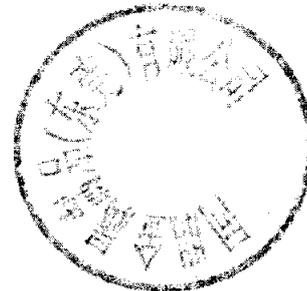
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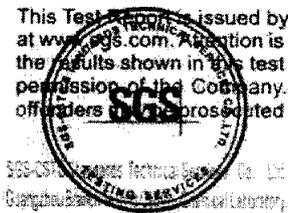
Sample photo:



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中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 | (86-20) 82155555 | (86-20) 82075125 | [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

GZCM1728089



## Test Report

No. CANEC0800111003

Date: 16 Jan 2008

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SHENZHEN HONGJUN HARDWARE CO., LTD.  
NO.3,DALANG INDUSTRY AREA,HONGXING VILLAGE SONGGANG TOWN,BAO'AN  
DISTRICT,SHENZHEN  
CHINA

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

AU PLATING

SGS Job No. : 10787280 - SZ  
SGS Internal Reference No. : 4.3  
Date of Sample Received : 11 Jan 2008  
Testing Period : 11 Jan 2008 - 16 Jan 2008

Test Requested : To determine the Cadmium, Lead, Mercury & Hexavalent Chromium content in the submitted sample.

Test Method : With reference to IEC 62321 Ed.1 111/54/CDV Procedures for the Determination of Levels of Regulated Substances in Electrotechnical Products.  
(1) Determination of Cadmium by ICP.  
Determination of Lead by ICP.  
Determination of Mercury by ICP.  
(2) Determination of Hexavalent Chromium by Colorimetric Method.

Test Results : Please refer to next page(s).

Signed for and on behalf of  
SGS-CSTC Ltd.

Huang Fang, Sunny  
Sr. Engineer

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## Test Report

No. CANEC0800111003

Date: 16 Jan 2008

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

Test Item(s)	Method (Refer to)	No.1	MDL
Cadmium(Cd)	(1)	N.D.	2
Lead (Pb)	(1)	22	2
Mercury (Hg)	(1)	N.D.	2
Hexavalent Chromium (CrVI) by boiling water extraction	(2)	Negative	See Note 4

### Note:

1. mg/kg = ppm
2. N.D. = Not Detected (< MDL)
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 cm<sup>2</sup> sample surface area.

### Test Part Description

No. 1 Golden/silvery plated metal

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Sample photo:



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## Test Report

No. CANEC0800111001

Date: 16 Jan 2008

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SHENZHEN HONGJUN HARDWARE CO., LTD.  
NO.3,DALANG INDUSTRY AREA,HONGXING VILLAGE SONGGANG TOWN,BAO'AN  
DISTRICT,SHENZHEN  
CHINA

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

MATTE SN PLATING

SGS Job No. : 10787280 - SZ  
SGS Internal Reference No. : 4.1  
Date of Sample Received : 11 Jan 2008  
Testing Period : 11 Jan 2008 - 16 Jan 2008

Test Requested : To determine the Cadmium, Lead, Mercury & Hexavalent Chromium content in the submitted sample.

Test Method : With reference to IEC 62321 Ed.1 111/54/CDV Procedures for the Determination of Levels of Regulated Substances in Electrotechnical Products.  
(1) Determination of Cadmium by ICP.  
Determination of Lead by ICP.  
Determination of Mercury by ICP.  
(2) Determination of Hexavalent Chromium by Colorimetric Method.

Test Results : Please refer to next page(s).

Signed for and on behalf of  
SGS-CSTC Ltd.

Huang Fang, Sunny  
Sr. Engineer

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

Test Item(s)	Method (Refer to)	No.1	MDL
Cadmium(Cd)	(1)	N.D.	2
Lead (Pb)	(1)	18	2
Mercury (Hg)	(1)	N.D.	2
Hexavalent Chromium (CrVI) by boiling water extraction	(2)	Negative	See Note 4

**Note:**

1. mg/kg = ppm
2. N.D. = Not Detected (< MDL)
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:**

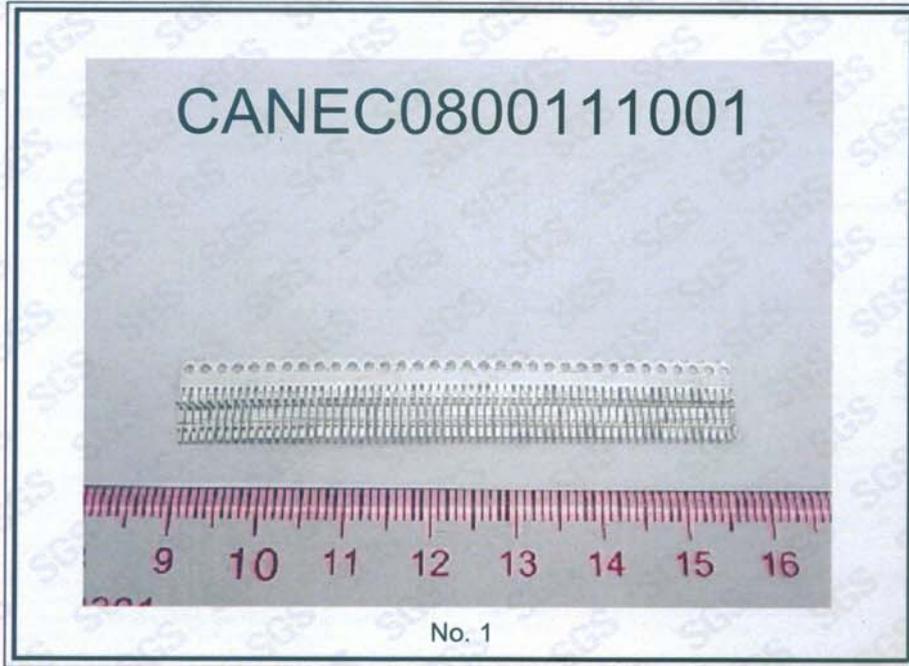
Negative = Absence of CrVI coating  
Positive = Presence of CrVI coating; the detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm<sup>2</sup> sample surface area.

Test Part Description

No. 1 Silvery plated metal

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Sample photo:



SGS authenticate the photo on original report only

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## Test Report

No. CANEC0800111004

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SHENZHEN HONGJUN HARDWARE CO., LTD.  
NO.3,DALANG INDUSTRY AREA,HONGXING VILLAGE SONGGANG TOWN,BAO'AN  
DISTRICT,SHENZHEN  
CHINA

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

SGS Job No. : 10787280 - SZ  
SGS Internal Reference No. : 4.4  
Date of Sample Received : 11 Jan 2008  
Testing Period : 11 Jan 2008 - 16 Jan 2008

Test Requested : To determine the Cadmium, Lead, Mercury & Hexavalent Chromium content in the submitted sample.

Test Method : With reference to IEC 62321 Ed.1 111/54/CDV Procedures for the Determination of Levels of Regulated Substances in Electrotechnical Products.  
(1) Determination of Cadmium by ICP.  
Determination of Lead by ICP.  
Determination of Mercury by ICP.  
(2) Determination of Hexavalent Chromium by Colorimetric Method.

Test Results : Please refer to next page(s).

Signed for and on behalf of  
SGS-CSTC Ltd.

Huang Fang, Sunny  
Sr. Engineer

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# Test Report

No. CANEC0800111004

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

Test Item(s)	Method (Refer to)	No.1	MDL
Cadmium(Cd)	(1)	N.D.	2
Lead (Pb)	(1)	19	2
Mercury (Hg)	(1)	N.D.	2
Hexavalent Chromium (CrVI) by boiling water extraction	(2)	Negative	See Note 4

**Note:**

1. mg/kg = ppm
2. N.D. = Not Detected (< MDL)
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 cm<sup>2</sup> sample surface area.

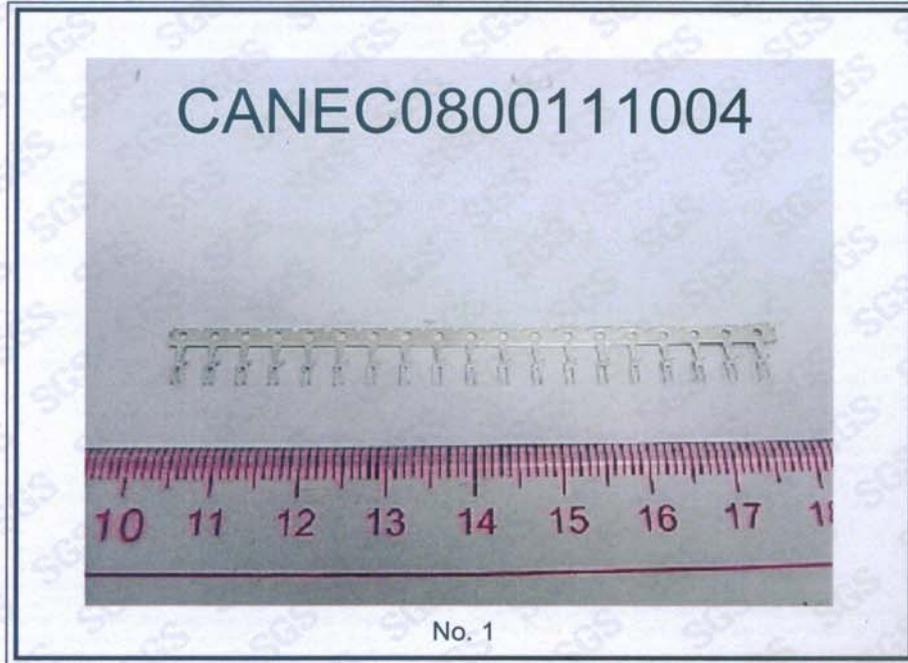
**Test Part Description**

No. 1 Silvery plated metal

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**GZCM 19 125 46**

Sample photo:



SGS authenticate the photo on original report only

\*\*\* End of Report \*\*\*

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