



## Test Report

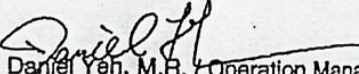
S&T TECHNOLOGY CO., LTD.  
8, MING LUNG RD., YANG MEI JEN, TAO YUAN,  
TAIWAN 326, R. O. C.

Report No. : CE/2005/34690  
Date : 2005/03/29  
Page : 1 of 5

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

Type of Product : BRASS · BRONZE · C194  
Sample Received : 2005/03/22  
Testing Date : 2005/03/22 TO 2005/03/29

-----  
Test Result : - Please see the next page -

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

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# Test Report

S&T TECHNOLOGY CO., LTD.  
 8, MING LUNG RD., YANG MEI JEN, TAO YUAN,  
 TAIWAN 326, R. O. C.

Report No. : CE/2005/34690  
 Date : 2005/03/29  
 Page : 2

## Test Result

- PART NAME NO.1 : GOLDEN COLORED METAL(BRASS) (PLEASE REFER TO THE PHOTO ATTACHED)
- PART NAME NO.2 : COPPER COLORED METAL(BRONZE) (PLEASE REFER TO THE PHOTO ATTACHED)
- PART NAME NO.3 : COPPER COLORED METAL(C194) (PLEASE REFER TO THE PHOTO ATTACHED)

PASS

Test Item (s):	Unit	Method	MDL	Result			Spec.
				No.1	No.2	No.3	
EN 71 PART 3 Heavy metal content		As per EN 71 PART 3 : 1994 (A1 : 2000) (EN 71 & BS 5665 are identical)					
Soluble Lead (Pb)	ppm	ICP-AES	5	< 5.0	< 5.0	< 5.0	90
Soluble Antimony (Sb)	ppm	ICP-AES	5	< 5.0	< 5.0	< 5.0	60
Soluble Arsenic (As)	ppm	ICP-AES	2.5	< 2.5	< 2.5	< 2.5	25
Soluble Barium (Ba)	ppm	ICP-AES	10	< 10.0	< 10.0	< 10.0	1000
Soluble Cadmium (Cd)	ppm	ICP-AES	5	< 5.0	< 5.0	< 5.0	75
Soluble Chromium (Cr)	ppm	ICP-AES	5	< 5.0	< 5.0	< 5.0	60
Soluble Mercury (Hg)	ppm	ICP-AES	5	< 5.0	< 5.0	< 5.0	60
Soluble Selenium (Se)	ppm	ICP-AES	5	< 5.0	< 5.0	< 5.0	500

Test Item (s):	Unit	Method	MDL	Result			Spec.
				No.1	No.2	No.3	
PBBs(Polybrominated biphenyls)(CAS NO:059536-65-1)	%	With reference to USEPA3540C or USEPA3550C. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC)	0.0005	N.D.	N.D.	N.D.	-

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# Test Report

S&T TECHNOLOGY CO., LTD.  
 8, MING LUNG RD., YANG MEI JEN, TAO YUAN,  
 TAIWAN 326, R. O. C.

Report No. : CE/2005/34690  
 Date : 2005/03/29  
 Page : 3

Test Item (s):	Unit	Method	MDL	Result			Spec.
				No.1	No.2	No.3	
PBBEs(PBDEs)(Polybrominated biphenyl ethers)	%	With reference to USEPA3540C or USEPA3550C. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC)	0.0005	N.D.	N.D.	N.D.	-

Test Item (s):	Unit	Method	MDL	Result			Spec.
				No.1	No.2	No.3	
Chromium VI (Cr+6)	ppm	As per US EPA 7196A and US EPA 3060A.	2	N.D.	N.D.	N.D.	-
Cadmium (Cd)	ppm	ICP-AES after as per EN 1122, method B:2001 or other acid digestion.	2	N.D.	N.D.	N.D.	-
Mercury (Hg)	ppm	ICP-AES after as per US EPA 3052 or other acid digestion.	2	N.D.	N.D.	N.D.	-
Lead (Pb)	ppm	ICP-AES after as per US EPA 3050B or other acid digestion.	2	N.D.	17.0	N.D.	-

- NOTE: (1) N.D. = Not detected (<MDL)  
 (2) ppm = mg/kg  
 (3) MDL = Method Detection Limit  
 (4) " --- " = Not Applicable  
 (5) " - " = No Regulation

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## Test Report

No.: SZTYR050410520/LP

Date: APR 04, 2005

Page 1 of 2

HONG XIN YUAN INDUSTRY COMMERCE CO., LTD.  
FUYING INDUSTRIAL AREA QIAO TOU VILLAGE  
FUYONG TOWN, BAOAN DISTRICT SHENZHEN

Report on the submitted sample said to be 金药水

SGS Ref No. : SZ050304880EC-3.2 (GZSCR050316942/LP)  
Sample Receiving Date : MAR 29, 2005  
Testing Period : MAR 29, 2005 TO APR 04, 2005

Test Requested : (1) To determine the Lead, Cadmium, Mercury & Hexavalent Chromium content in the submitted sample.  
(2) To determine the soluble elements content in accordance with the European Standard on Safety of Toys, EN71 Part 3: 1994 (including amendment A1:2000) – Migration of Certain Elements.

Test Method : (1) Lead content – In house method, with reference to EPA method 3050B: 1996 .  
Cadmium content - In house method, with reference to BS EN1122: 2001 method B .  
Mercury content - In house method, with reference to EPA 3052: 1996.  
Hexavalent Chromium content – with reference to EPA 3060A: 1996 & EPA 7196A: 1992 .  
Analysis was performed by Inductively Coupled Plasma Atomic Emission Spectrometer (ICP-AES) / UV-VIS Spectrophotometer.  
(2) Soluble Elements Content - with reference to EN71 Part 3 : 1994 + A1:2000.  
Analysis was performed by Inductively Coupled Plasma Atomic Emission Spectrometer (ICP-AES) .

RESULTS : Please refer to next page.

Signed for and on behalf of  
SGS-CSTC Ltd.



Zhang Yanzheng, Helen  
Section Manager

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SZL 319833



**Test Report**

No.: SZTYR050410520/LP

Date: APR 04, 2005

Page 2 of 2

**RESULTS**

(1) Lead, Cadmium, Mercury & Hexavalent Chromium Content:

	<u>Yellow liquid</u>
Lead Content (Pb)	< 2
Cadmium Content (Cd)	< 2
Mercury Content (Hg)	< 2
Hexavalent Chromium Content [Cr(VI)]	< 2

Note : - < = Less Than  
- ppm = mg/L

(2) Soluble Elements Content:

<u>Element</u>	<u>Yellow liquid</u>	<u>Limit</u>
Soluble Antimony (Sb)	< 2	60 mg/kg
Soluble Arsenic (As)	< 2	25 mg/kg
Soluble Barium (Ba)	< 5	1000 mg/kg
Soluble Selenium (Se)	< 5	500 mg/kg

Note : - < = Less Than  
- ppm = mg/kg

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

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SZL 319832





## Test Report

No.: SZTYR050410518/LP

Date: APR 04, 2005

Page 1 of 2

HONG XIN YUAN INDUSTRY COMMERCE CO., LTD  
FUYING INDUSTRIAL AREA QIAO TOU VILLAGE  
FUYONG TOWN, BAOAN DISTRICT SHENZHEN

Report on the submitted sample said to be 镍药水

SGS Ref No. : SZ050304880EC-3.3 (GZSCR050316943/LP)  
Sample Receiving Date : MAR 29, 2005  
Testing Period : MAR 29, 2005 TO APR 04, 2005

Test Requested : (1) To determine the Lead, Cadmium, Mercury & Hexavalent Chromium content in the submitted sample.  
(2) To determine the soluble elements content in accordance with the European Standard on Safety of Toys, EN71 Part 3: 1994 (including amendment A1:2000) – Migration of Certain Elements.

Test Method : (1) Lead content – In house method, with reference to EPA method 3050B: 1996 .  
Cadmium content - In house method, with reference to BS EN1122: 2001 method B .  
Mercury content - In house method, with reference to EPA 3052: 1996.  
Hexavalent Chromium content – with reference to EPA 3060A: 1996 & EPA 7196A: 1992 .  
Analysis was performed by Inductively Coupled Plasma Atomic Emission Spectrometer (ICP-AES) / UV-VIS Spectrophotometer.  
(2) Soluble Elements Content - with reference to EN71 Part 3 : 1994 + A1:2000.  
Analysis was performed by Inductively Coupled Plasma Atomic Emission Spectrometer (ICP-AES) .

RESULTS : Please refer to next page.

Signed for and on behalf of  
SGS-CSTC Ltd.

Yang Yanzheng, Helen  
Section Manager

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001 319829



## Test Report

No.: SZTYR050410518/LP

Date: APR 04, 2005

Page 2 of 2

### RESULTS

#### 1) Lead, Cadmium, Mercury & Hexavalent Chromium Content:

	<u>Green liquid</u>
Lead Content (Pb)	< 2
Cadmium Content (Cd)	< 2
Mercury Content (Hg)	< 2
Hexavalent Chromium Content [Cr(VI)]	< 2

Note : - < = Less Than  
- ppm = mg/L

#### 2) Soluble Elements Content:

<u>Element</u>	<u>Green liquid</u>	<u>Limit</u>
Soluble Antimony ( Sb )	< 2	60 mg/kg
Soluble Arsenic ( As )	< 2	25 mg/kg
Soluble Barium ( Ba )	< 5	1000 mg/kg
Soluble Selenium ( Se )	< 5	500 mg/kg

Note : - < = Less Than  
- ppm = mg/kg

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

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SZL 319828



## Test Report

No.: SZTYR050410519/LP

Date: APR 04, 2005

Page 1 of 2

HONG XIN YUAN INDUSTRY COMMERCE CO., LTD  
FUYING INDUSTRIAL AREA QIAO TOU VILLAGE  
FUYONG TOWN, BAOAN DISTRICT SHENZHEN

Report on the submitted sample said to be 锡药水

SGS Ref No. : SZ050304880EC-3.1 (GZSCR050316941/LP)  
Sample Receiving Date : MAR 29, 2005  
Testing Period : MAR 29, 2005 TO APR 04, 2005

Test Requested : (1) To determine the Lead, Cadmium, Mercury & Hexavalent Chromium content in the submitted sample.  
(2) To determine the soluble elements content in accordance with the European Standard on Safety of Toys, EN71 Part 3: 1994 (including amendment A1:2000) – Migration of Certain Elements.

Test Method : (1) Lead content – In house method, with reference to EPA method 3050B: 1996 .  
Cadmium content - In house method, with reference to BS EN1122: 2001 method B .  
Mercury content - In house method, with reference to EPA 3052: 1996.  
Hexavalent Chromium content – with reference to EPA 3060A: 1996 & EPA 7196A: 1992 .  
Analysis was performed by Inductively Coupled Plasma Atomic Emission Spectrometer (ICP-AES) / UV-VIS Spectrophotometer.  
(2) Soluble Elements Content - with reference to EN71 Part 3 : 1994 + A1:2000.  
Analysis was performed by Inductively Coupled Plasma Atomic Emission Spectrometer (ICP-AES) .

RESULTS : Please refer to next page.

Signed for and on behalf of  
SGS-CSTC Ltd.

Zhang Yanzheng, Helen  
Section Manager

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SZL 319831





# Test Report

No.: SZTYR050410519/LP

Date: APR 04, 2005

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## RESULTS

### (1) Lead, Cadmium, Mercury & Hexavalent Chromium Content:

	<u>Lt-brown liquid</u>
Lead Content (Pb)(ppm)	4
Cadmium Content (Cd)	< 2
Mercury Content (Hg)	< 2
Hexavalent Chromium Content [Cr(VI)]	< 2

Note : - < = Less Than  
- ppm = mg/L

### (2) Soluble Elements Content:

<u>Element</u>	<u>Lt-brown liquid</u>	<u>Limit</u>
Soluble Antimony (Sb)	4	60 mg/kg
Soluble Arsenic (As)	< 2	25 mg/kg
Soluble Barium (Ba)	< 5	1000 mg/kg
Soluble Selenium (Se)	< 5	500 mg/kg

Note : - < = Less Than  
- ppm = mg/L

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

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SZL 319830





**Test Report**

No.: GZSCR050857743/LP

Date: AUG 08, 2005

Page 1 of 1

CHANG RONG ELECTRIC COMPONENTS PLANT  
BUILDING 7-8, C-AREA TAN-TOU 3<sup>RD</sup> IND.,  
SONG-GANG TOWN, BAO-AN DISTRICT,  
SHEN-ZHEN CITY, CHINA

Report on the submitted sample said to be SHELL (SPCC)

SGS Ref No. : SZ050815828EC  
Sample Receiving Date : JUL 29, 2005  
Testing Period : JUL 29, 2005 TO AUG 04, 2005

Test Requested : As specified by client, to determine the Lead, Cadmium, Mercury & Hexavalent Chromium content in the submitted sample.

Test Method : Lead content – In-house method, with reference to EPA method 3050B: 1996 .  
Cadmium content – In-house method, with reference to BS EN1122: 2001 method B .  
Mercury content – In-house method, with reference to EPA 3052: 1996.  
Hexavalent Chromium content – with reference to EPA 3060A: 1996 & EPA 7196A: 1992 .  
Analysis was performed by Atomic Absorption Spectrometer and Inductively Coupled Plasma Atomic Emission Spectrometer (ICP-AES) / UV-VIS Spectrophotometer.

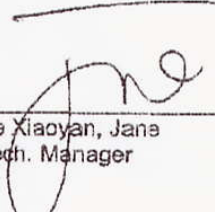
**RESULTS**

	Silvery metal part
Lead Content (Pb)	N.D.
Cadmium Content (Cd)	N.D.
Mercury Content (Hg)	N.D.
Hexavalent Chromium Content [Cr(VI)]	N.D.

Note : - N.D. = Not Detected (< 2 ppm)  
- ppm = mg/kg  
- Results of this report refer to test report GZSCR050755109/LP.

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

Signed for and on behalf of  
SGS-CSTC Ltd.

  
He Xiaoyan, Jane  
Tech. Manager

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GZCM281942