

## Test Report

No. SH7103698/CHEM

Date: Sep. 14, 2007

Page 1 of 7

CIXI KAIFENG ELECTRONIC CO., LTD  
NO.118, DEVELOPMENT ROAD, XIAOLIN DADAO, XIAOLIN TOWN, CIXI CITY, ZHEJIANG, CHINA

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

Sample Name : KF1001  
SGS Ref No. : 10566638-1  
Sample may cover : KF1002, KF1003, KF1027  
Main Substance : COVER PLASTIC, PEDESTAL PLASTIC, PUSH BUTTON PLASTIC, TERMINAL

Sample Receiving Date : Sep.11, 2007  
Testing Period : Sep.11 –14, 2007

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

Test Method : (1) With reference to IEC 62321 Ed.1 111/54/CDV for Cadmium content.  
Analysis was performed by ICP.  
(2) With reference to IEC 62321 Ed.1 111/54/CDV for Lead content.  
Analysis was performed by ICP and AAS.  
(3) With reference to IEC 62321 Ed.1 111/54/CDV for Mercury content.  
Analysis was performed by ICP.  
(4) With reference to IEC 62321 Ed.1 111/54/CDV for Hexavalent Chromium by  
spot test / Colorimetric Method.  
(5) With reference to IEC 62321 Ed.1 111/54/CDV for PBBs / PBDEs content.  
Analysis was performed by GC/MS.

Test Results : Please refer to next pages

Signed for and on behalf of  
SGS-CSTC Chemical Laboratory



Ella Zhang  
Sr. Section Head

Signed for and on behalf of  
SGS-CSTC Chemical Laboratory



Sandy Hao  
Lab Manager

# Test Report

No. SH7103698/CHEM

Date: Sep. 14, 2007

Page 2 of 7

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

Test Item(s):	Method (refer to)	1	2	MDL	RoHS Limit
Cadmium(Cd)	(1)	ND	ND	2	100
Lead (Pb)	(2)	15	ND	2	1000
Mercury (Hg)	(3)	ND	ND	2	1000
Hexavalent Chromium (CrVI)	(4)	ND	ND	2	1000
Sum of PBBs	(5)	ND	ND	-	1000
Monobromobiphenyl		ND	ND	5	-
Dibromobiphenyl		ND	ND	5	-
Tribromobiphenyl		ND	ND	5	-
Tetrabromobiphenyl		ND	ND	5	-
Pentabromobiphenyl		ND	ND	5	-
Hexabromobiphenyl		ND	ND	5	-
Heptabromobiphenyl		ND	ND	5	-
Octabromobiphenyl		ND	ND	5	-
Nonabromobiphenyl		ND	ND	5	-
Decabromobiphenyl		ND	ND	5	-
Sum of PBDEs (Note 4)		ND	ND	-	1000
Monobromodiphenyl ether		ND	ND	5	-
Dibromodiphenyl ether		ND	ND	5	-
Tribromodiphenyl ether		ND	ND	5	-
Tetrabromodiphenyl ether		ND	ND	5	-
Pentabromodiphenyl ether		ND	ND	5	-
Hexabromodiphenyl ether		ND	ND	5	-
Heptabromodiphenyl ether		ND	ND	5	-
Octabromodiphenyl ether		ND	ND	5	-
Nonabromodiphenyl ether		ND	ND	5	-
Decabromodiphenyl ether		ND	ND	5	-
Sum of PBDEs (Mono to Deca)		ND	ND	-	-

# Test Report

No. SH7103698/CHEM

Date: Sep. 14, 2007

Page 3 of 7

Test Item(s):	Method (refer to)	3	4	MDL	RoHS Limit
Cadmium(Cd)	(1)	ND	ND	2	100
Lead (Pb)	(2)	ND	17	2	1000
Mercury (Hg)	(3)	ND	ND	2	1000
Hexavalent Chromium (CrVI)	(4)	ND	---	2	1000
Hexavalent Chromium (CrVI) by Spot test / boiling water extraction	(4)	---	Negative	See Note (5)	#
Sum of PBBs	(5)	ND	---	-	1000
Monobromobiphenyl		ND	---	5	-
Dibromobiphenyl		ND	---	5	-
Tribromobiphenyl		ND	---	5	-
Tetrabromobiphenyl		ND	---	5	-
Pentabromobiphenyl		ND	---	5	-
Hexabromobiphenyl		ND	---	5	-
Heptabromobiphenyl		ND	---	5	-
Octabromobiphenyl		ND	---	5	-
Nonabromobiphenyl		ND	---	5	-
Decabromobiphenyl		ND	---	5	-
Sum of PBDEs (Note 4)		ND	---	-	1000
Monobromodiphenyl ether		ND	---	5	-
Dibromodiphenyl ether		ND	---	5	-
Tribromodiphenyl ether		ND	---	5	-
Tetrabromodiphenyl ether		ND	---	5	-
Pentabromodiphenyl ether		ND	---	5	-
Hexabromodiphenyl ether		ND	---	5	-
Heptabromodiphenyl ether		ND	---	5	-
Octabromodiphenyl ether		ND	---	5	-
Nonabromodiphenyl ether		ND	---	5	-
Decabromodiphenyl ether		ND	---	5	-
Sum of PBDEs (Mono to Deca)		ND	---	-	-

## Test Part Description:

1. Red plastic shell
2. Black plastic pedestal
3. White plastic push button
4. Golden metal terminal

## Test Report

No. SH7103698/CHEM

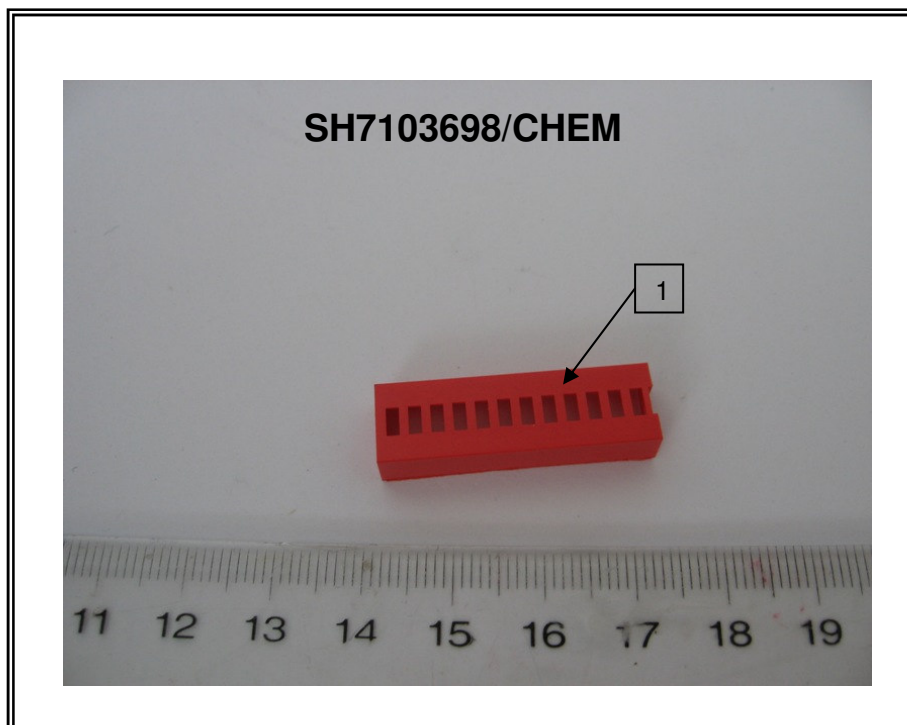
Date: Sep. 14, 2007

Page 4 of 7

### Note:

- (1) mg/kg = ppm
- (2) ND = Not Detected
- (3) MDL = Method Detection Limit
- (4) Sum of Mono to NonaBDE & according to 2005/717/EC DecaBDE is exempt.
- (5) 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.
- (6) # = Positive indicates the presence of Hexavalent Chromium on the tested areas  
 Negative indicates the absence of CrVI on the tested areas.
- (7) "-" = Not Regulated
- (8) "---" = Not Conducted
- (9) The maximum permissible limit is quoted from the document 2005/618/EC amending RoHS directive 2002/95/EC

### Sample photo:

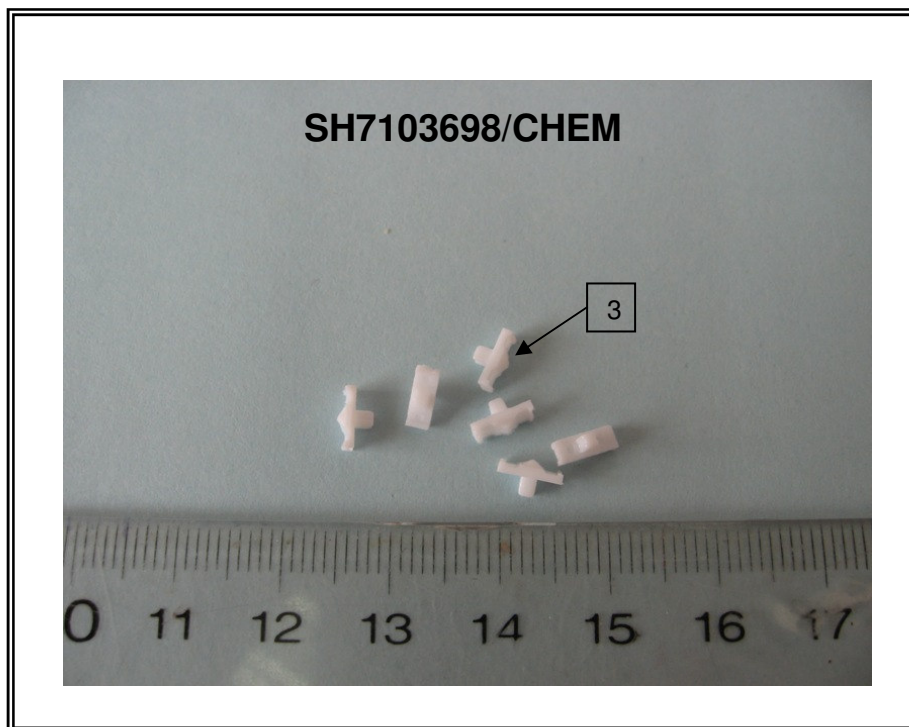
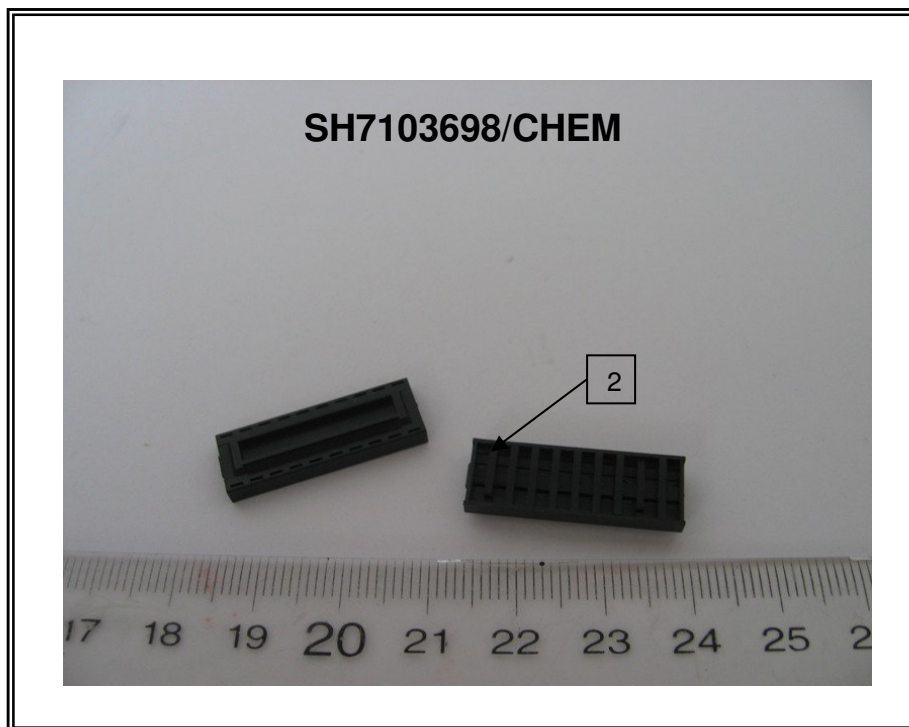


## Test Report

No. SH7103698/CHEM

Date: Sep. 14, 2007

Page 5 of 7

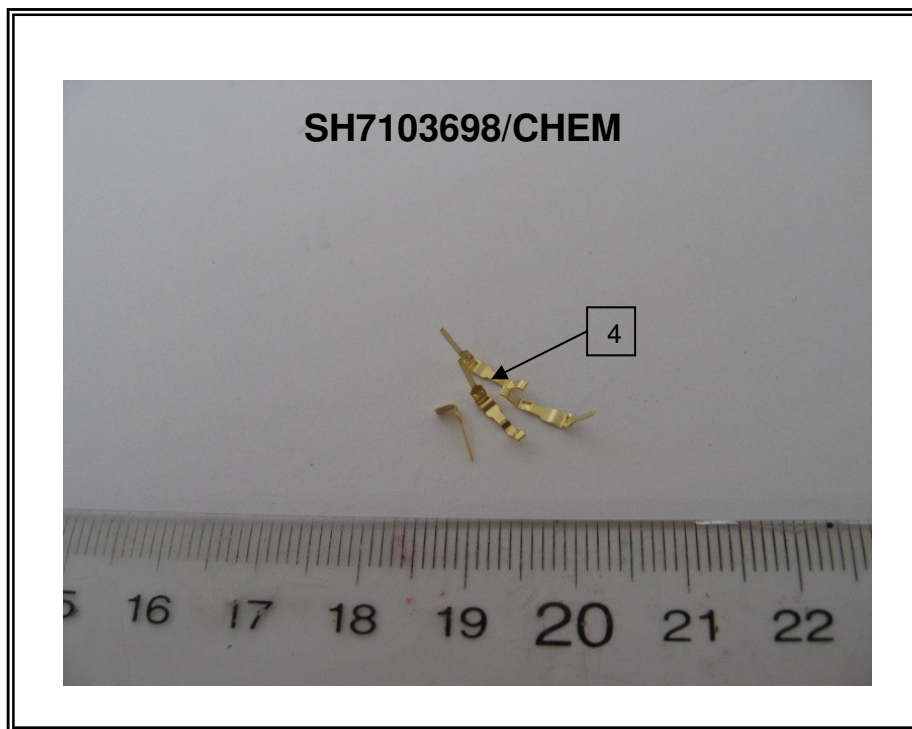


## Test Report

No. SH7103698/CHEM

Date: Sep. 14, 2007

Page 6 of 7

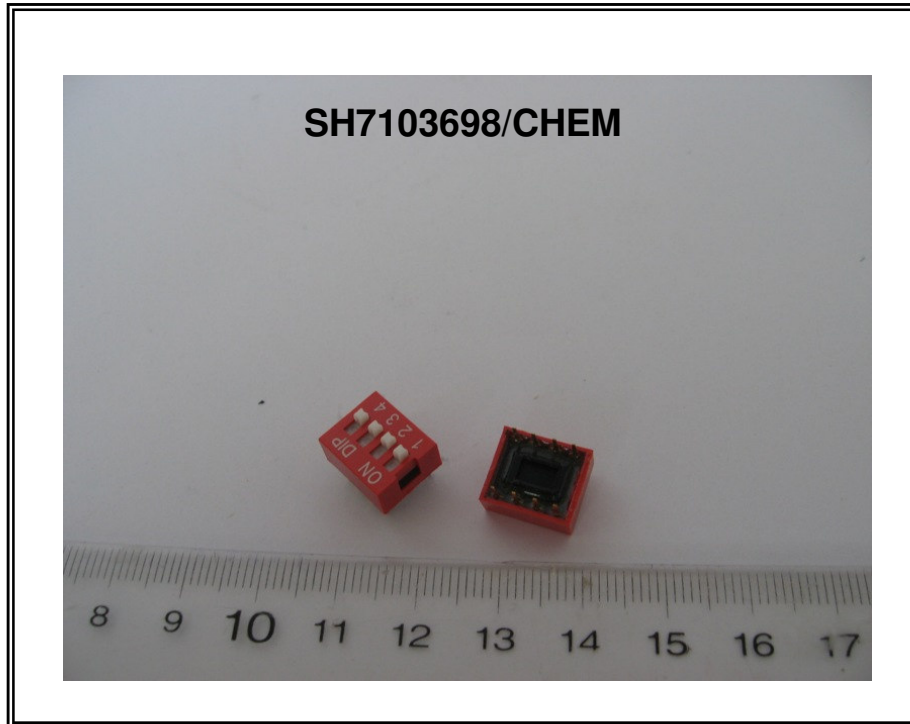


## Test Report

No. SH7103698/CHEM

Date: Sep. 14, 2007

Page 7 of 7



SGS authenticate the photo on original report only

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