

## Test Report

No. SC080501320

Date: May. 27, 2008

Page 1 of 3

CHENYANG TECHNOLOGIES GMBH & CO.KG  
MARKT SCHWABENER STR. 8, 85464 FINSING, GERMANY

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

Sample Name : HALL EFFECT COMPONENTS  
Sample No. : SC080501320  
Product specification : CYD3141, CYD3144, CYD543, CYD513, CYD3601, CYD3661, CYD3172X,  
CYD512, CYD41, CYD227, CYD1024, CYD137, CYD1881, CYD177, CYL3503,  
CYL49E, CY-P15A, CY-P3A, CY-HS80, CYSJ1069, CYSJ119, CYSJ411, CYSJ422,  
CYTY108, CYSH12AF, CYTY211, CYTY300B, CYTY320

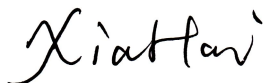
Sample Receiving Date : May.20, 2008  
Testing Period : May.20 – 23, 2008

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

Test Method : (1) With reference to IEC 62321/2<sup>nd</sup> CDV (111/95/CDV) for Cadmium content.  
Analysis was performed by ICP.  
(2) With reference to IEC 62321/2<sup>nd</sup> CDV (111/95/CDV) for Lead content.  
Analysis was performed by ICP and AAS.  
(3) With reference to IEC 62321/2<sup>nd</sup> CDV (111/95/CDV) for Mercury content.  
Analysis was performed by ICP.  
(4) With reference to IEC 62321/2<sup>nd</sup> CDV (111/95/CDV) for Hexavalent  
Chromium by spot test / Colorimetric Method.  
(5) With reference to IEC 62321/2<sup>nd</sup> CDV (111/95/CDV) for PBBs / PBDEs content.  
Analysis was performed by GC/MS.

Test Results : Please refer to next pages

Signed for SGS-CSTC Standards  
Technical Services Co., Ltd



Xia Hai  
Materials Lab Technical Supervisor

# Test Report

No. SC080501320

Date: May. 27, 2008

Page 2 of 3

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)	ND	ND	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	---	-	-	

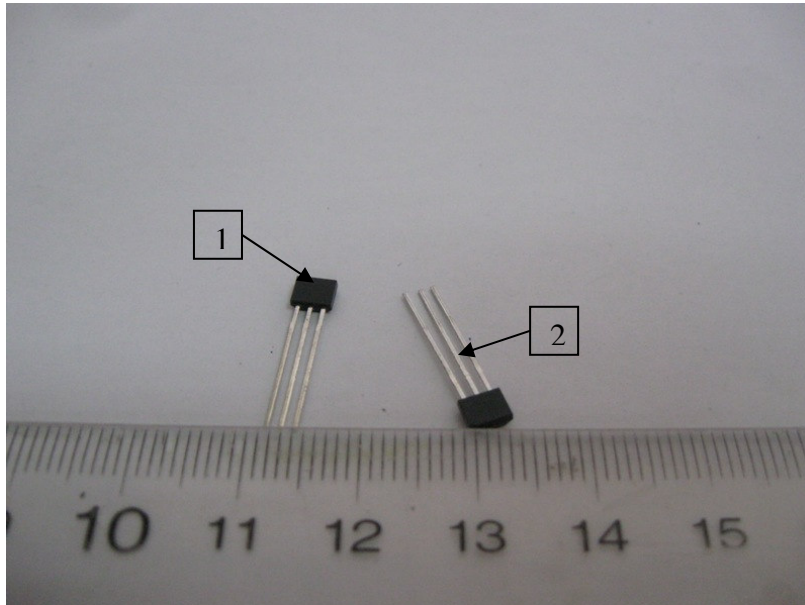
Test Part Description:

1. Black body part(Mix all)
2. Silvery metal pin part

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 is Negative or 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
- (10)\*The sample(s) was/were analyzed on behalf of the applicant as mixing sample in one testing.  
 The above result(s) was/were only given as the informality value.

Sample photo:



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