

Test Report

No. EC409263900

Date: Mar 17 2009

Page 1 of 9

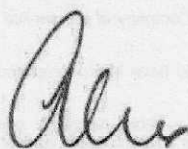
KOUHI TECHNOLOGY (H.K) LIMITED
RM 1212, 12/F.,
HONGKONG PLAZA,
188 CONNAUGHT ROAD WEST,
HONG KONG

The following sample was submitted and identified on behalf of the client as :
LED DISPLAY 發光二極管顯示器

SGS Job No. : 1247915
Buyer : 恆信
Manufacturer : KOUHI
Country of Origin : CHINA
Date of Sample(s) Received : MAR 10 2009
Testing Period : MAR 10 - 17 2009

Test Requested : Select test(s) as requested by client.
Test Method : Please refer to next page(s).
Test Result(s) : Please refer to next page(s).
Conclusion : - Based on the performed tests on submitted sample, the results comply with the RoHS Directive 2002/95/EC and its subsequent amendments.

Signed for and on behalf of
SGS Hong Kong Ltd.



Hui Ying Ngai, Alex
Section Manager

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Test Report

No. EC409263900

Date: Mar 17 2009

Page 2 of 9

Test Results:

ID for sample 1 : 4092639S001

Description for sample 1 : White Plastic w/ Black Printing (Surrounding Edge)

RoHS Directive 2002/95/EC

<u>Test Item(s)</u>	<u>Unit</u>	<u>Test Method</u>	<u>Results</u>	<u>MDL</u>	<u>Limit</u>
Cadmium (Cd)	mg/kg	With reference to IEC 62321:2008, and performed by ICP-OES	n.d.	2	100
Lead (Pb)	mg/kg	With reference to IEC 62321:2008, and performed by ICP-OES	n.d.	2	1000
Mercury (Hg)	mg/kg	With reference to IEC 62321:2008, and performed by ICP-OES	n.d.	2	1000
Hexavalent Chromium (CrVI)	mg/kg	With reference to IEC 62321:2008, and performed by UV-VIS	NVL	2	1000
Sum of PBBs	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	-	1000
Monobromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Dibromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Tribromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Tetrabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Pentabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Hexabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Heptabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Octabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Nonabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Decabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Sum of PBDEs	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	-	1000
Monobromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Dibromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Tribromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	

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Test Report

No. EC409263900

Date: Mar 17 2009

Page 3 of 9

Tetrabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Pentabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Hexabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Heptabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Octabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Nonabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Decabromodiphenyl ether ##	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5

Note :

- (1) mg/kg = ppm; 0.1%wt = 1000ppm
- (2) n.d. = not detected
- (3) MDL = Method Detection Limit
- (4) ## = The exemption of DecaBDE in polymeric application according 2005/717/EC was overruled by the European Court of Justice by its decision of 01.04.2008. Subsequently DecaBDE will be included in the sum of PBDE after 01.07.2008
- (5) - = Not regulated

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Test Report

No. EC409263900

Date: Mar 17 2009

Page 4 of 9

ID for sample 2 : 4092639S002

Description for sample 2 : White Plastic w/ Red Coating w/ Red Plastic (Body)

RoHS Directive 2002/95/EC

<u>Test Item(s)</u>	<u>Unit</u>	<u>Test Method</u>	<u>Results</u>	<u>MDL</u>	<u>Limit</u>
Cadmium (Cd)	mg/kg	With reference to IEC 62321:2008, and performed by ICP-OES	n.d.	2	100
Lead (Pb)	mg/kg	With reference to IEC 62321:2008, and performed by ICP-OES	125	2	1000
Mercury (Hg)	mg/kg	With reference to IEC 62321:2008, and performed by ICP-OES	n.d.	2	1000
Hexavalent Chromium (CrVI)	mg/kg	With reference to IEC 62321:2008, and performed by UV-VIS	NVL	2	1000
Sum of PBBs	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	-	1000
Monobromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Dibromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Tribromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Tetrabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Pentabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Hexabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Heptabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Octabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Nonabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Decabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Sum of PBDEs	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	-	1000
Monobromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Dibromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Tribromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Tetrabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	

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Test Report

No. EC409263900

Date: Mar 17 2009

Page 5 of 9

Pentabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Hexabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Heptabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Octabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Nonabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Decabromodiphenyl ether ##	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5

Note :

- (1) mg/kg = ppm; 0.1%wt = 1000ppm
- (2) n.d. = not detected
- (3) MDL = Method Detection Limit
- (4) ## = The exemption of DecaBDE in polymeric application according 2005/717/EC was overruled by the European Court of Justice by its decision of 01.04.2008. Subsequently DecaBDE will be included in the sum of PBDE after 01.07.2008
- (5) - = Not regulated

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Test Report

No. EC409263900

Date: Mar 17 2009

Page 6 of 9

ID for sample 3 : 4092639S003

Description for sample 3 : White Glass Fibre w/ Silvery Metal (PCB)

RoHS Directive 2002/95/EC

<u>Test Item(s)</u>	<u>Unit</u>	<u>Test Method</u>	<u>Results</u>	<u>MDL</u>	<u>Limit</u>
Cadmium (Cd)	mg/kg	With reference to IEC 62321:2008, and performed by ICP-OES	n.d.	2	100
Lead (Pb)	mg/kg	With reference to IEC 62321:2008, and performed by ICP-OES	n.d.	2	1000
Mercury (Hg)	mg/kg	With reference to IEC 62321:2008, and performed by ICP-OES	n.d.	2	1000
Hexavalent Chromium (CrVI)	mg/kg	With reference to IEC 62321:2008, and performed by UV-VIS	NVL	2	1000
Sum of PBBs	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	-	1000
Monobromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Dibromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Tribromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Tetrabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Pentabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Hexabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Heptabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Octabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Nonabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Decabromobiphenyl	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Sum of PBDEs	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	-	1000
Monobromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Dibromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Tribromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	
Tetrabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5	

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Test Report

No. EC409263900

Date: Mar 17 2009

Page 7 of 9

Pentabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Hexabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Heptabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Octabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Nonabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5
Decabromodiphenyl ether ##	mg/kg	With reference to IEC 62321:2008, and performed by GC-MS	n.d.	5

Note :

- (1) mg/kg = ppm; 0.1%wt = 1000ppm
- (2) n.d. = not detected
- (3) MDL = Method Detection Limit
- (4) ## = The exemption of DecaBDE in polymeric application according 2005/717/EC was overruled by the European Court of Justice by its decision of 01.04.2008. Subsequently DecaBDE will be included in the sum of PBDE after 01.07.2008
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Test Report

No. EC409263900

Date: Mar 17 2009

Page 8 of 9

ID for sample 4 : 4092639S004

Description for sample 4 : Metal w/ Silvery Plating (Base: Coppery Metal) (Pin)

RoHS Directive 2002/95/EC

<u>Test Item(s)</u>	<u>Unit</u>	<u>Test Method</u>	<u>Results</u>	<u>MDL</u>	<u>Limit</u>
Cadmium (Cd)	mg/kg	With reference to IEC 62321:2008, and performed by ICP-OES	n.d.	2	100
Lead (Pb)	mg/kg	With reference to IEC 62321:2008, and performed by ICP-OES	18	5	1000
Mercury (Hg)	mg/kg	With reference to IEC 62321:2008, and performed by ICP-OES	n.d.	2	1000
Hexavalent Chromium (CrVI) by spot-test/ boiling-water-extraction (optional)		With reference to IEC 62321:2008	Negative		#

Note :

- (1) mg/kg = ppm; 0.1%wt = 1000ppm
- (2) n.d. = not detected
- (3) MDL = Method Detection Limit
- (4) # : Positive means the presence of CrVI on the tested areas
Negative means the absence of CrVI on the tested areas
- (5) - = Not regulated

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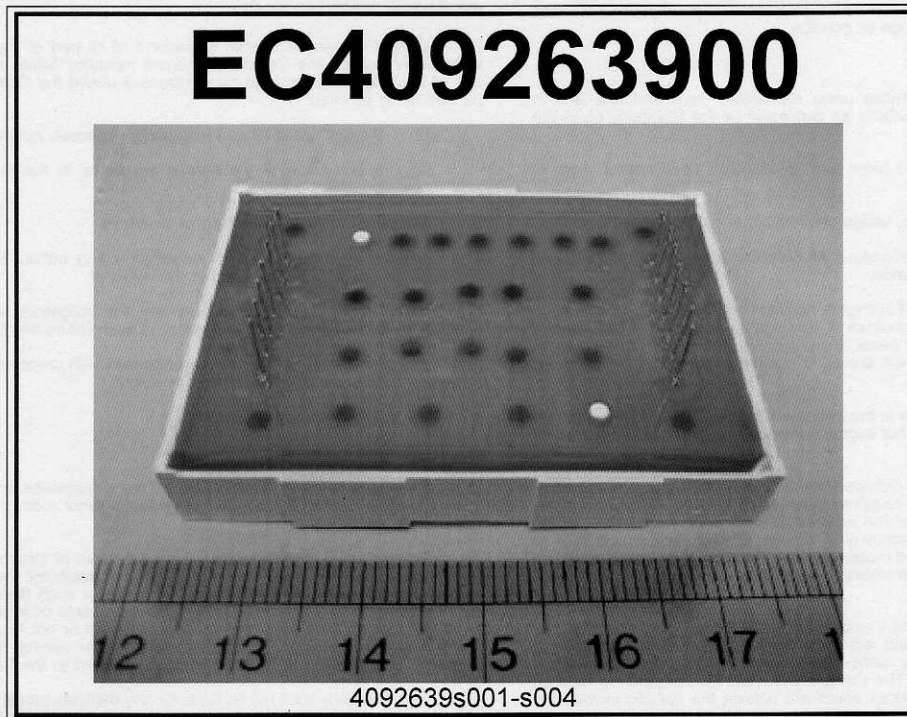
Test Report

No. EC409263900

Date: Mar 17 2009

Page 9 of 9

Sample photo:



SGS authenticate the photo on original report only
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