

Test Report No. SHAEC1207740301 Date: 25 May 2012 Page 1 of 5

FERRIWO ELECTRONICS CO.,LTD.

B309, HAICHANG BUSINESS CENTER, NO.373 LUOLONG ROAD, HAINING, ZHEJIANG, 314400, CHINA

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

SGS Job No.:

SP12-014141 - SH

Composition:

Mg,Zn,Fe

Model No.:

MgZn

Material No.:

FT

Date of Sample Received:

17 May 2012

Testing Period:

17 May 2012 - 21 May 2012

Test Requested:

Selected test(s) as requested by client.

Test Method:

Please refer to next page(s).

Test Results:

Please refer to next page(s).

Conclusion:

Based on the performed tests on submitted samples, the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE) comply with the limits as set by RoHS

Directive 2011/65/EU Annex II; recasting 2002/95/EC.

Signed for and on behalf of SGS-CSTC Ltd.

Fan Jingjie, JJ Approved Signatory

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Test Results:

Test Part Description:

Specimen No. SGS Sample ID Description SHA12-077403.001 Dark gray solid

Remarks:

(1) 1 mg/kg = 1 ppm = 0.0001%

(2) MDL = Method Detection Limit

(3) ND = Not Detected (< MDL)</p>

(4) "-" = Not Regulated

RoHS Directive 2011/65/EU

Test Method: With reference to IEC 62321:2008

(1) Determination of Cadmium by ICP-OES.

(2) Determination of Lead by ICP-OES.

(3) Determination of Mercury by ICP-OES.

(4) Determination of Hexavalent Chromium by Colorimetric Method using UV-Vis.

(5) Determination of PBBs / PBDEs content by GC-MS.

Test Item(s)	Limit	<u>Unit</u>	MDL	001
Cadmium (Cd)	100	mg/kg	2	ND
Lead (Pb)	1000	mg/kg	2	ND
Mercury (Hg)	1000	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	2	ND
Sum of PBBs	1000	mg/kg	-	ND
Monobromobiphenyl	6	mg/kg	5	ND
Dibromobiphenyl	-	mg/kg	5	ND
Tribromobiphenyl	2 - 6	mg/kg	5	ND
Tetrabromobiphenyl	10:	mg/kg	5	ND
Pentabromobiphenyl	5V-	mg/kg	5	ND
Hexabromobiphenyl	-	mg/kg	5	ND
Heptabromobiphenyl	. 4	mg/kg	5	ND
Octabromobiphenyl	7 . 9	mg/kg	5	ND
Nonabromobiphenyl	260	mg/kg	5	ND
Decabromobiphenyl	3 . C	mg/kg	5	ND
Sum of PBDEs	1000	mg/kg	-6-	ND
Monobromodiphenyl ether	6 .	mg/kg	5	ND

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Test Item(s)	<u>Limit</u>	<u>Unit</u>	MDL	001	
Dibromodiphenyl ether	6 65 95	mg/kg	5	ND	
Tribromodiphenyl ether	7 2 25 -25	mg/kg	5	ND	
Tetrabromodiphenyl ether	TO ST.	mg/kg	5	ND	
Pentabromodiphenyl ether	5 60	mg/kg	5	ND	
Hexabromodiphenyl ether	5 4 6	mg/kg	5	ND	
Heptabromodiphenyl ether		mg/kg	5	ND	
Octabromodiphenyl ether	- CP - S	mg/kg	5	ND	
Nonabromodiphenyl ether	Share and the	mg/kg	5	ND	
Decabromodiphenyl ether	G 9	mg/kg	5	ND	

Notes:

(1) The maximum permissible limit is quoted from directive 2011/65/EU, Annex II

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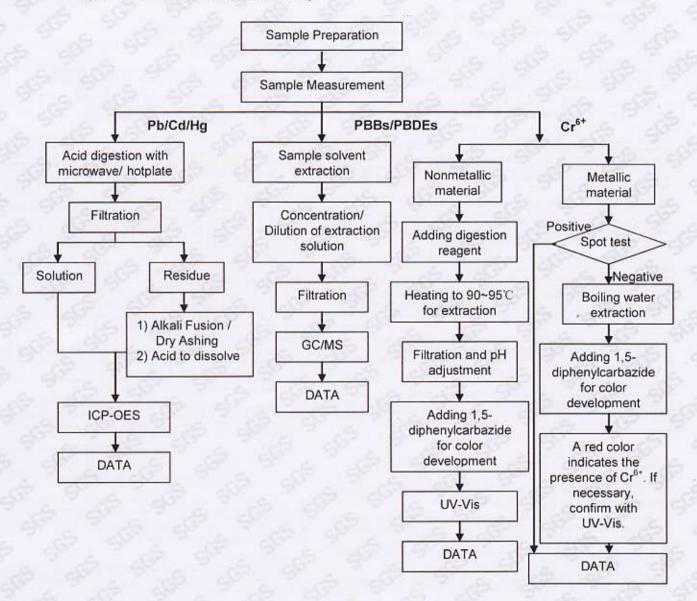
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ATTACHMENTS

RoHS Testing Flow Chart

- 1) Name of the person who made testing: Jan Shi/Yoyo Wang/Allen Xiao/Gary Xu
- 2) Name of the person in charge of testing: Jeff Zhang/George Xu/ Linda Li
- These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr⁶⁺ and PBBs/PBDEs test method excluded)



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Sample photo:





SGS authenticate the photo on original report only

*** End of Report ***

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