

ICP Test Report Certification Packet

Company Name: Littelfuse, Inc.

Product Type: Metal Oxide Varistors

Product Series: BA&BB Series RoHS Compliant models

Issue Date: Otc.10, 2010

It is hereby certified by Littelfuse, Inc. that there is neither RoHS (EU Directive 2002/95/EC)-restricted substance nor such use, for materials to be used for unit parts, for packing/packaging materials, and for additives and the like in the manufacturing processes.

In addition, it is hereby reported to you that the parts and sub-materials, the materials to be used for unit parts, the packing/packaging materials, and the additives and the like in the manufacturing processes, are all composed of the following components.

Issued by:

David Huang

< DGLF Environmental, Health & Safety Engineer >

(1) Parts, sub-materials and unit parts

This document covers Metal Oxide Varistors LA series RoHS-Compliant models manufactured by Littelfuse, Inc.

Please see Table 1 for raw materials used.

(2) The ICP data on all measurable substances

Please see appropriate pages as identified in Table 1

Remarks:

Pb (lead) contained in glass of electronic components and is categorized as exempt under section 5 of the RoHS Annex.



Table 1: List of Raw Materials covered by this report

NO.	P/N	Raw Material Description	Page
1	N/A	D-Varistor	3-5
2	N/A	Gray Paste, for silver electrodes	6-7
3	N/A	White power, for glass insulation	8-12
4	N/A	Solder paste	13-21
5	N/A	Terminals	22-25
6	N/A	Industrial Casting Resin	26-32
7	N/A	Base & Lid, separating Copper Screw or Aluminum Fastener	33-40
8	N/A	Aluminum Fastener	41-43
9	N/A	Copper Screw	44-46
10	N/A	Screw & Washier	47-49



No. CANEC1003760901

Date: 06 Sep 2010

Page 1 of 10

The following sample(s) was/were submitted and identified on behalf of the clients as: D-Varistor B72260D xxxx

SGS Job No.

12715039 - GZ

Date of Sample Received

31 Aug 2010

Testing Period

31 Aug 2010 - 06 Sep 2010

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).

Signed for and on behalf of SGS-CSTC Ltd.

pher

Alpher Qiu Approved Signatory



No. CANEC1003760901

Date: 06 Sep 2010

Page 2 of 10

Test Results:

ID for specimen 1 : CAN10-037609.001
Description for specimen 1 : Dk-grey sheet

Elementary Analysis

Test Item(s)	Unit	Test Method (Reference)	Result	MDL
Cadmium (Cd)	mg/kg	IEC 62321:2008, ICP-OES	N.D.	2
Lead (Pb)	mg/kg	IEC 62321:2008, ICP-OES	25	2
Mercury (Hg)	mg/kg	IEC 62321:2008, ICP-OES	N.D.	2
Hexavalent Chromium (CrVI) by alkaline extraction	mg/kg	IEC 62321:2008, UV-Vis	N.D.	2

Note:

- 1. mg/kg = ppm
- 2. N.D. = Not Detected (< MDL)
- 3. MDL = Method Detection Limit

Flame Retardants

Test Item(s)	Unit	Test Method (Reference)	Result	MDL
Sum of PBBs	mg/kg	-	N.D.	-
Monobromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Dibromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Tribromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Tetrabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Pentabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Hexabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Heptabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Octabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Nonabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Decabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Sum of PBDEs	mg/kg	•	N.D.	-
Monobromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Dibromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Tribromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Tetrabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Pentabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Hexabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Heptabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Octabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Nonabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Decabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5

This document is issued by the Company subject to Its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions. Its mandlor electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of limititity of the standard properties of the following the standard properties of the standard pr

198 Keztu Road Scientech Park Guangzhou Economic & Technology Development Distrat Guangzhou China 510663 1 (86-20) 82155555 f (86-20) 82075113 www.cn.sgs.com中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 1 (86-20) 82155555 f (86-20) 82075113 e sgs.china@sgs.com



No. CANEC1003760901

Date: 06 Sep 2010

Page 3 of 10

Note:

- 1. mg/kg = ppm
- 2. N.D. = Not Detected (< MDL)
- 3. MDL = Method Detection Limit
- 4. "-" = Not regulated

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions. that and for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability terms and conditions of this document is advised that information contained hereon reflects the Company's findings at the time of its program of the second of the second



No. CANEC1003760901

Date: 06 Sep 2010

Page 4 of 10

ID for specimen 2

: CAN10-037609.002

Description for specimen 2

: Dk-grey paste

Elementary Analysis

Test Item(s)	Unit	Test Method (Reference)	Result	MDL
Cadmium (Cd)	mg/kg	IEC 62321:2008, ICP-OES	N.D.	2
Lead (Pb)	mg/kg	IEC 62321:2008, ICP-OES	4	2
Mercury (Hg)	mg/kg	IEC 62321:2008, ICP-OES	N.D.	2
Hexavalent Chromium (CrVI) by	mg/kg	IEC 62321:2008, UV-Vis	N.D.	2

Note:

1. mg/kg = ppm

alkaline extraction

2. N.D. = Not Detected (< MDL)

3. MDL = Method Detection Limit

Flame Retardants

Test Item(s)	Unit	Test Method (Reference)	Result	MDL
Sum of PBBs	mg/kg		N.D.	~
Monobromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Dibromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Tribromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Tetrabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Pentabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Hexabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Heptabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Octabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Nonabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Decabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Sum of PBDEs	mg/kg		N.D.	9
Monobromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Dibromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Tribromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Tetrabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Pentabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Hexabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Heptabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Octabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Nonabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Decabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions. It is a subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability engagement and one of printing of the following subject to the fine terms and conditions of the fine subject to the fine subj



No. CANEC1003760901

Date: 06 Sep 2010

Page 5 of 10

Note:

1. mg/kg = ppm

2. N.D. = Not Detected (< MDL)

3. MDL = Method Detection Limit

4. "-" = Not regulated

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions for electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability to general updated in the company's findings at the time of liability to general updated in the company's findings at the time of liability to general updated in the company's sole responsibility is to its Client and this document does not exponerate parties to a transaction from exercising all they gots and obligations under the transaction documents. This document composed in full without prior written approval of the Company for the company of the compan



No. CANEC1003760901

Date: 06 Sep 2010

Page 6 of 10

ID for specimen 3

: CAN10-037609.003

Description for specimen 3

: White powder

Elementary Analysis

Test Item(s)	Unit	Test Method (Reference)	Result	MDL
Cadmium (Cd)	mg/kg	IEC 62321:2008, ICP-OES	N.D.	2
Lead (Pb)	mg/kg	IEC 62321:2008, ICP-OES	385887	2
Mercury (Hg)	mg/kg	IEC 62321:2008, ICP-OES	N.D.	2
Hexavalent Chromium (CrVI) by	mg/kg	IEC 62321:2008, UV-Vis	N.D.	2

alkaline extraction

Note:

1. mg/kg = ppm

2. N.D. = Not Detected (< MDL)

3. MDL = Method Detection Limit

Flame Retardants

Test Item(s)	Unit	Test Method (Reference)	Result	MDL
Sum of PBBs	mg/kg	•	N.D.	÷
Monobromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Dibromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Tribromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Tetrabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Pentabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Hexabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Heptabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Octabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Nonabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Decabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Sum of PBDEs	mg/kg		N.D.	+
Monobromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Dibromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Tribromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Tetrabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Pentabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Hexabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Heptabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Octabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Nonabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5
Decabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5

This document is issued by the Company subject to its General Conditions of Sarvice printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions. htm and/or electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability in confidence of the company is a discontinuous attention of the company is findings at the time of its instructions, if any. The Company's sole responsibility is to its Client and this document does not experient to a transaction of the company is accessing all their gibts and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. The Company is a tated the results shown in this test report refer only to the sample(s) tested.



No. CANEC1003760901

Date: 06 Sep 2010

Page 7 of 10

Note:

1. mg/kg = ppm

2. N.D. = Not Detected (< MDL)

3. MDL = Method Detection Limit

4. "-" = Not regulated

Remark1:Result of Pb of specimen 3 is only for reference.

Remark2:The result(s) shown of specimen 2 is/are of the total weight of dried sample.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions. htm. and,for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability togenition along and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the lime of its optional to the contained of the company's sole responsibility is to its Client and this document does not exponent parties to a transaction document. This document cannot be reproduced except in full, without prior written approval of the Company, and the contained of the contained provided in the contained provided in the contained provided acceptance of the full statement of the law.

July 10 of 10



No. CANEC1003760901

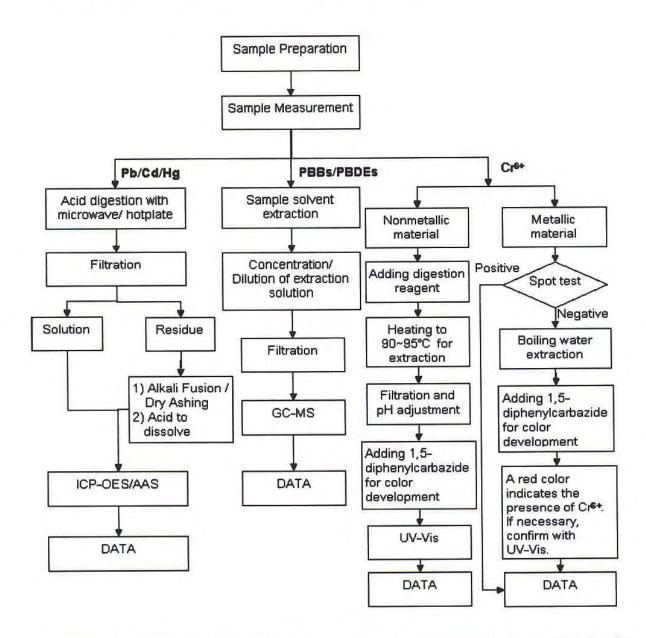
Date: 06 Sep 2010

Page 8 of 10

ATTACHMENTS

RoHS Testing Flow Chart

- 1) Name of the person who made testing: Bella Wang / Cutey Yu / Ross Zhan
- 2) Name of the person in charge of testing. Adams Yu / Ryan Yang



This occument is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions.
http://www.sgs.com/terms_and_conditions.
http:/



No. CANEC1003760901

Date: 06 Sep 2010

Page 9 of 10

Sample photo:





This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions.

It is and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of his limitation of the limitation of the subject within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exponent be a transaction is to expressionable they got a transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company, for any authorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

The subject of the subject is a subject to the sub

198 Kezhu Roud,Scientech Park Guangchou Economic & Technology Development District, Guangchou China 510663 t (86-20) 82155555 t (86-20) 82075113 www.cn.sgs.com中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075113 e sgs.china@sgs.com



No. CANEC1003760901

Date: 06 Sep 2010

Page 10 of 10



SGS authenticate the photo on original report only

*** End of Report ***

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions, the man, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability imprinted into and purisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its los document on the separation of the company of the services of the services



No. CANEC1000805811

Date: 15 Mar 2010

Page 1 of 5

DONGGUAN QI HANG XI YE MANUFACTURING CO.,LTD NO.1 INDUSTRUAL PARK, XIAGANG, CHANGAN TOWN, DONGGUAN CITY CHINA

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

LEAD-FREE SOLDER PASTE

SGS Job No.

12409086 - GZ

Client Ref. Information

MIXTURE OF QH#LF96, QH#LF97, QH#LF98, QH#LF658, QH#LF601,

QH#LT658, QH#LT601, QH#LT658C, QH#LF96H, QH#LF97H, QH#LF98H, QH#LF658H, QH#LF601H, QH#LT658H, QH#LT601H,

QH#LT658CH

Supplier

CN. Doceheck@sgs.com

contact tel:

DONGGUAN QI HANG XI YE MANUFACTURING CO.,LTD

SGS Internal Reference No.

13.11

Date of Sample Received

09 Mar 2010

Testing Period

09 Mar 2010 - 15 Mar 2010

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 sample(s), the results comply with the RoHS Directive 2002/95/EC and its subsequent amendments.

Signed for and on behalf of SGS-CSTC Ltd.

Manson Yang

Sr. Engineer

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.ags.com/terms_end_conditions.
Itim and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.ags.com/terms_e-document.htm. Attention is drawn to the limitation of liability and the subject to Terms and Conditions for Electronic Documents at www.ags.com/terms_e-document.htm. Attention is drawn to the limitation of liability and the subject to the Company's findings at the time of liability and the document of the Company's sole responsibility is to its Client and this document does not exponent expression and the company and the co

GZCM 3716446

Member of the SGS Group (SGS SA)

es Co. Ltd. Chemical Laboratory.



No. CANEC1000805811

Date: 15 Mar 2010

Page 2 of 5

Test Results:

ID for specimen 1

: CAN10-008058.011

Description for specimen 1

: Grey paste

RoHS Directive 2002/95/EC

Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
Cadmium (Cd)	mg/kg	IEC 62321:2008, ICP-OES	N.D.	2	100
Lead (Pb)	mg/kg	IEC 62321:2008, ICP-OES	66	2	1000
Mercury (Hg)	mg/kg	IEC 62321:2008, ICP-OES	N.D.	2	1000
Hexavalent Chromium (CrVI) by	mg/kg	IEC 62321:2008, UV-Vis	N.D.	2	1000
alkaline extraction					
Sum of PBBs	mg/kg	- /	N.D.	=	1000
Monobromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5	
Dibromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5	
Tribromoblphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5	
Tetrabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5	
Pentabromobipheny	mg/kg	IEC 62321:2008, GC-MS	N.D.\	5	
Hexabromobipheny!	mg/kg	IEC 62321:2008, GC-MS	Ŋ.D. ∖	5	
Heptabromobiphenyl	mg/kg	IEC 62324:2008, GC-MS	N\D.	5 5	
Octabromobiphenyl	mg/kg	IEC 62321,2008, GC-MS	N.D.	5	
Nonabromobiphenyl	mg/kg/	IEC 62321:2008, GC-MS	N.D.	5	
Decabromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	N.D.	5	
Sum of PBDEs	mg/kg		N.D.	8.54	1000
Monobromodiphenyl ether	mg/kg	IEC \$2321:2008, GC-MS	N.D.	5	
Dibromodiphenyl other	mg/kg	IEC/62321:2008, GC-MS	N.D.	5	
Tribromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5	
Tetrabromodiphenyl ether	nng/kg	IEC 62321:2008, GC-MS	N.D.	5	
Pentabromodiphenykether	njg/kg	IEC 62321:2008, GC-MS	N.D.	5	
Hexabromodiphenyl ether	/mg/kg	IEC 62321:2008, GC-MS	N.D.	5	
Heptabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5	
Octabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5	
Nonabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5	
Decabromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	N.D.	5	

Note:

Attention: To check the authenticity of testing finspection report 8 certificate, pis. confact tell (86-75)&3071443 email: CN. <u>Qoccheck(§996)</u>,

- 1. mg/kg = ppm
- 2, N.D. = Not Detected (< MDL)
- 3. MDL = Method Detection Limit
- 4. "- " = Not regulated

Remark: The result(s) shown is/are of the total weight of dried sample.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions.

htm and/or electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability integration and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of the production of the company's specific productions, if any. The Company's sole responsibility is to its Client and this document does not expense and parties to a transaction from exercising all lifety lights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company.

And unauthorized alteration, forgery or faisification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

The second of the content of the law.

The second of the content of the law is appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

GZCM 3716447

198 Kestru Road, Scientech Park Guengshou Economic & Technology Development District Guengshou, China 510663 t (86–20) 82155555 f (86–20) 82075113 中國·广州·经济技术开发区科学城科珠路198号

邮编: 510663 t (86-20) 82155555 f (86-20) 82075113 e sgs.china@sgs.com



Attention; To check the authenticity of testing finspection report & certificate, pls. contect tel: (86-755)83071443 email; CN. <u>Doccheck@sgs.com</u>

No. CANEC1000805811

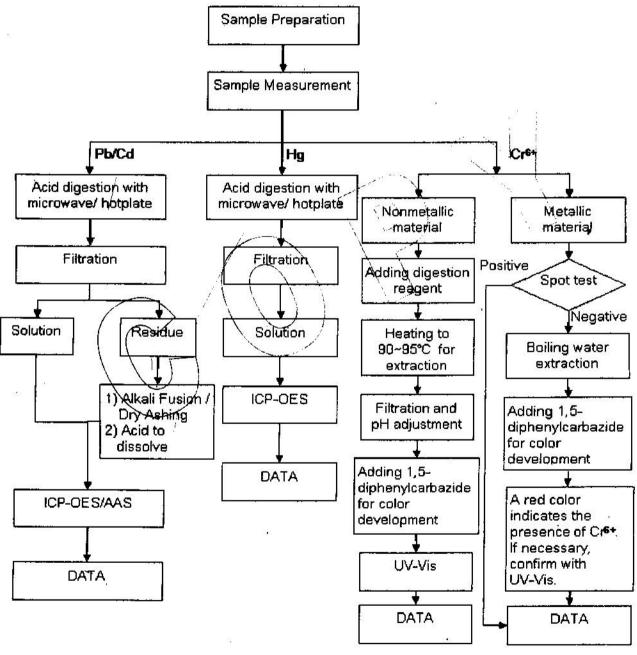
Date: 15 Mar 2010

Page 3 of 5

ATTACHMENTS

Testing Flow Chart

- 1) Name of the person who made measurement: Bella Wang
- 2) Name of the person in charge of measurement: Adams Yu



This document is issued by the Company subject to its General Conditions of Service printed overless, available on request or accessible at http://www.sgs.com/terms_and_conditions bitm and for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of idability in the imits of clients and in the time of its instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction for exercising all this lights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company, and wholized altergian, forgery or faisification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

The company is a subject to the full set of the law.

The company is a subject to the full set of the law.

The company is a subject to the full set of the law.

The company is a subject to the full set of the law.

The company is a subject to the full set of the law.

The company is a subject to the full set of the law.

The company is a subject to the full set of the law.

GZCM 3716448

SGS 0 (GS)andards Technical Strices Co., Lid. Guangzhou 1998 1998 1997 Chemical Laboratory. 198 Kezhu Roed,Scientech Pent Guengahou Economic & Technology Development District, Guangahou, Chine - 510663 t (86-20) 82155555 f (86-20) 82075113 www.cn.sgs.com中国 - 广州 · 经济技术开发区科学域科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075113 e sgs.china@sgs.com



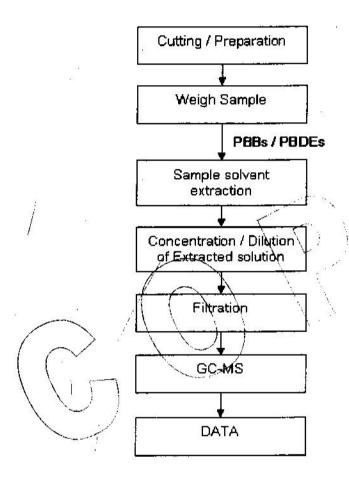
Test Report No. CANEC1000805811

Date: 15 Mar 2010

Page 4 of 5

Testing Flow Chart

- 1) Name of the person who made measurement: Tina Zhao
- 2) Name of the person in charge of measurement: Ryan Yang



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms and conditions bit and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document htm. Attention is drawn to the limitation of liability integrating and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its instructions, if any. The Company's sole responsibility is to its Client and this document does not exponent a parties to a transaction from exercising all their terms and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized attending, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

The example of the sample of the sam

GZCM 3716449

ces Co., Ltd. hemical Laboratory.

198 Kechu Road, Scienlech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075113 中国·广州·经济技术开发区科学域科珠路198号 邮编: 510663 t (96-20) 82155555 f (86-20) 82075113 e sgs.china@sgs.com



No. CANEC1000805811

Date: 15 Mar 2010

Page 5 of 5

Sample photo:

contact tel: (86-755)83071443 emain: <u>CN.Quegheck@sgs..com</u>



SGS authenticate the photo on original report only

** End of Report ***

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions.
htm and for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of itself to the following the service of the service of

GZCM 3716450

tandards Technicals Chemical Laboratory 198 Kestinu Road/Scientech Park Guengetinu Economic & Technology Development District, Guangehou, China 510663 † (86–20) 82155555 † (86–20) 82075113

邮编: 510663 t (86-20) 82155555 f (86-20) 82075113 e sgs.china@sgs.com

中国·广州·经济技术开发区科学城科珠路198号



No. CANEC1000805812

Date: 15 Mar 2010

Page 1 of 4

DONGGUAN QI HANG XI YE MANUFACTURING CO.,LTD NO.1 INDUSTRUAL PARK, XIAGANG, CHANGAN TOWN, DONGGUAN CITY CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as: LEAD-FREE SOLDER PASTE

SGS Job No.

12409086 - GZ

Client Ref. Information

MIXTURE OF QH#LF96H, QH#LF97H, QH#LF98H, QH#LF658H,

QH#LF601H, QH#LT658H, QH#LT601H, QH#LT658CH

Supplier

DONGGUAN QI HANG XI YE MANUFACTURING CO.,LTD

SGS Internal Reference No. :

13.12

Date of Sample Received

09 Mar 2010

Testing Period

09 Mar 2010 - 15 Mar 2010

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)

Signed for and on behalf of SGS-CSTC Ltd.

Manson Yang Sr. Engineer

document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/terms_and_conditions.
and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of its distribution is used in the formation contained hereon reflects the Company's findings at the time of the first instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction exercising all this units and obligations under the transaction document. This document cannot be reproduced except in full, without prior written approval of the Company. Unauthorized alteration, forgery or felsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. results shown in this test report refer only to the sample(s) tested .

GZCM 3716451

ces Co., Ltd.



No. CANEC1000805812

Date: 15 Mar 2010

Page 2 of 4

Test Results:

ID for specimen 1

: CAN10-008058.012

Description for specimen 1

: Grey paste

Halogen

Test Item(s)	Unit	Test Method (Reference)	Result	MDL
Fluorine (F)	mg/kg	BS EN 14582:2007, IC	N.D.	50
Chlorine (CI)	mg/kg	BS EN 14582:2007, IC	N.D.	50
Bromine (Br)	mg/kg	BS EN 14582:2007, IC	N.D.	50
Iodine (i)	mg/kg	BS EN 14582:2007, IC	N.D.	50

Note:

- 1. mg/kg = ppm
- 2. N.D. = Not Detected (< MDL)
- 3. MDL = Method Detection Limit

Remark: The result(s) shown is/are of the total weight of wet sample.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions. bitm and,for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_and_conditions. It is limited for a subject to the limitation of liability in support the formation contained hereon reflects the Company's findings at the time of list for which in the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all this boths and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. The Company of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

The company of the company of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

GZCM 3716452

198 Kezhu: Road, Scientech Park Guangzhou: Economic & Technology Development District, Guangzhou, China 5 (10663) t (86-20) 82155555 f (86-20) 82075 [113 中国·广州·经济技术开发区科学城科珠路198号

邮编: 510663 t (86-20) 82155555 f (86-20) 82075113 e sgs.china@sgs.com

www.cn.sds.com



Attention: To check the authenticity of testing finspection report & certificate, prs. contact tel: \$86-759)8307^443 smail: CN.<u>Doogheck@sgas.com</u>

No. CANEC1000805812

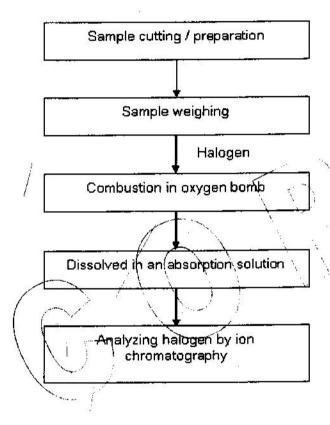
Date: 15 Mar 2010

Page 3 of 4

ATTACHMENTS

Testing Flow Chart

- 1) Name of the person who made measurement: Sawen, Chen
- 2) Name of the person in charge of measurement: Michael Tso



This document is issued by the Company subject to its General Conditions of Service printed overleef, available on request or accessible at https://www.sgs.com/terms_and_conditions.
In and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the illimitation of liability to general the company's findings at the time of the formation confesion decreases the Company's findings at the time of the formation of the company's findings at the time of the formation of the company is findings at the time of the formation of the company is findings at the time of the formation of the company is findings at the finding of the formation of the company is findings at the finding of the formation of the company is findings at the finding of the formation of the findings at the findings at the findings at the findings at the finding of the findings at the findings at the finding of the findings at the finding of the findings at the findings at the findings at the finding of the findings at the finding of the findings at the finding of the finding of the findings at the finding of the finding of the finding of the finding of the findings at the finding of the f

GZCM 3716453

ces Co., Ltd.

198 Kechu Roed, Scienlech Park Guengzhou Economic & Technology Development District, Guengzhou, China 510:663 t (86-20) 82156555 f (86-20) 82075113 中国·广州·经济技术开发区科学城科珠路198号

邮编: 510663 t (86-20) 82155555 f (86-20) 82075113 e sgs.china@sgs.com



No. CANEC1000805812

Date: 15 Mar 2010

Page 4 of 4

Sample photo:



SGS authenticate the photo on original report only *** End of Report ***

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions. Its manufacture of the limitation of lability of the formation contained hereon reflects the Company's findings at the time of its interpretation of the produced by the company of the company. The company of the company o

GZCM 3716454

198 Kezhu Road, Scienlach Park Guangzhou Economic & Technology Development District, Guangzhou, China: 510663 t (86–20) 82155555 f (86–20) 82075113 中国·广州·经济技术开发区科学城科珠路198号

邮编: 510663 t (86-20) 82155555 f (86-20) 82075113 e sgs.china@sgs.com



APPLICANT: LITTELFUSE, INC.

DATE: Aug 17, 2010

8755 WEST HIGGINS ROAD SUITE 500

CHICAGO IL 60631 USA

ATTN: KRISTEEN BACILA/ARSENIO CESISTA JR.

SAMPLE DESCRIPTION:

ONE (1) SUBMITTED SAMPLE SAID TO BE SILVER-GREY METAL.

PART DESCRIPTION : TERMINALS.

DATE SAMPLE RECEIVED : AUG 11, 2010.

DATE TEST STARTED : AUG 11, 2010.

SZHH00517175-02



TESTS CONDUCTED:

AS REQUESTED BY THE APPLICANT, FOR DETAILS REFER TO ATTACHED PAGE(S)

AUTHORIZED BY:

FOR INTERTEK TESTING SERVICES

SHENZHEN LTD.

BEN N.L. LIN GENERAL MANAGER



TESTS CONDUCTED

ROHS CHEMICAL TEST

(A) TEST RESULT SUMMARY:

TESTING ITEM	RESULT
CADMIUM (Cd) CONTENT (mg/kg)	ND(<2)
LEAD (Pb) CONTENT (mg/kg)	ND(<2)
MERCURY (Hg) CONTENT (mg/kg)	ND(<2)
CHROMIUM (VI)(Cr ⁶⁺) RESULT (BY BOILING WATER EXTRACTION ON METAL)(mg/kg WITH 50cm ²)	NEGATIVE (<0.02)

CHEMIST: LV LINNA

mg/kg = MILLIGRAM PER KILOGRAM = ppm

mg/kg WITH 50cm² = MILLIGRAM PER KILOGRAM WITH 50 SQUARE CENTIMETRE

< = LESS THAN
ND = NOT DETECTED</pre>

POSITIVE = A POSITIVE TEST RESULT INDICATED THE PRESENCE OF Cr(VI) AT THE TIME OF TESTING, EQUAL TO OR GREATER THAN THRESHOLD OF 1 mg/kg FOR SPOT TEST PROCEDURE OR 0.02 mg/kg FOR BOILING-WATER-EXTRACTION PROCEDURES WITH A SAMPLE SURFACE AREA OF $50\,\mathrm{cm}^2$ USED. HOWEVER, IT SHALL NOT BE INTERPRETED AS THE Cr(VI) CONCENTRATION IN THE COATING LAYER OF THE SAMPLE AND SHOULD NOT BE USED AS A METHOD DETECTION LIMIT FOR THIS QUALITATIVE TEST.

NEGATIVE = A NEGATIVE TEST RESULT INDICATED ABOVE POSITIVE OBSERVATION WAS NOT FOUND AT THE TIME OF TESTING. WHEN THE SPOT-TEST SHOWED A NEGATIVE RESULT, THE BOILING-WATER-EXTRACTION PROCEDURE SHALL BE USED TO VERIFY THE RESULT.

(B) ROHS REQUIREMENT:

RESTRICTED SUBSTANCES	LIMITS
CADMIUM (Cd)	0.01% (100 ppm)
LEAD (Pb)	0.1% (1000 ppm)
MERCURY (Hg)	0.1% (1000 ppm)
CHROMIUM (VI) (Cr ⁶⁺)	0.1% (1000 ppm)

THE ABOVE LIMITS WERE QUOTED FROM 2002/95/EC AND AMENDMENT 2005/618/EC FOR HOMOGENEOUS MATERIAL.



TESTS CONDUCTED

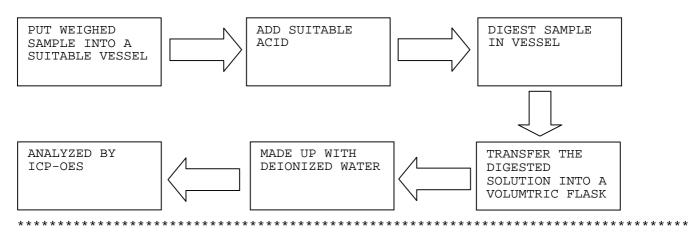
(C) TEST METHOD:

TESTING ITEM	TESTING METHOD	REPORTING LIMIT
CADMIUM (Cd) CONTENT	WITH REFERENCE TO IEC 62321 EDITION 1.0:2008, BY ACID DIGESTION AND DETERMINED BY ICP - OES	2 mg/kg
LEAD (Pb) CONTENT	WITH REFERENCE TO IEC 62321 EDITION 1.0:2008, BY ACID DIGESTION AND DETERMINED BY ICP - OES	2 mg/kg
MERCURY (Hg) CONTENT	WITH REFERENCE TO IEC 62321 EDITION 1.0:2008, BY ACID DIGESTION AND DETERMINED BY ICP - OES	2 mg/kg
CHROMIUM (VI) (Cr ⁶⁺) CONTENT	WITH REFERENCE TO IEC 62321 EDITION 1.0:2008, BY BOILING WATER EXTRACTION AND DETERMINED BY UV-VIS SPECTROPHOTOMETER	POSITIVE/ NEGATIVE (THRESHOLD OF 0.02mg/kg with 50cm ²)

DATE SAMPLE RECEIVED: AUG 11, 2010 TESTING PERIOD: AUG 11, 2010 TO AUG 12, 2010

(D) MEASUREMENT FLOWCHART:

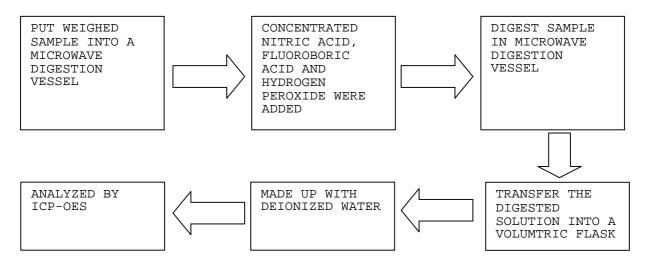
1. TEST FOR Cd/Pb CONTENTS



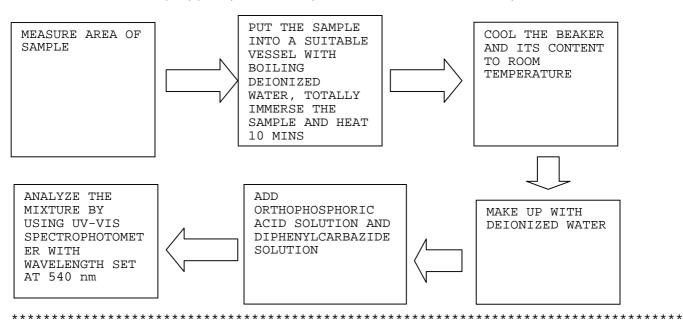


TESTS CONDUCTED

2. TEST FOR Hg CONTENT



3. TEST FOR $CHROMIUM(VI)(Cr^{6+})$ CONTENT (BOILING WATER EXTRACTION)



END OF REPORT



APPLICANT: LITTELFUSE, INC.

DATE: Aug 17, 2010

8755 WEST HIGGINS ROAD SUITE 500

CHICAGO IL 60631 USA

ATTN: KRISTEEN BACILA/ARSENIO CESISTA JR.

SAMPLE DESCRIPTION:

ONE (1) SUBMITTED SAMPLE SAID TO BE BLACK SOLID.

PART DESCRIPTION : INDUSTRIAL CASTING RESIN.

DATE SAMPLE RECEIVED : AUG 11, 2010.
DATE TEST STARTED : AUG 11, 2010.

SZHH00517169-02



TESTS CONDUCTED:

AS REQUESTED BY THE APPLICANT, FOR DETAILS REFER TO ATTACHED PAGE(S)

AUTHORIZED BY:

FOR INTERTEK TESTING SERVICES

SHENZHEN LTD.

BEN N.L. LIN GENERAL MANAGER



TESTS CONDUCTED

1 ROHS CHEMICAL TEST

(A) TEST RESULT SUMMARY:

TESTING ITEM	RESULT
CADMIUM (Cd) CONTENT (mg/kg)	ND(<2)
LEAD (Pb) CONTENT (mg/kg)	ND(<2)
MERCURY (Hg) CONTENT (mg/kg)	ND(<2)
CHROMIUM (VI)(Cr ⁶⁺) CONTENT (mg/kg)	ND(<1)
POLYBROMINATED BIPHENYLS (PBBs)(mg/kg)	
MONOBROMOBIPHENYL (MonoBB)	ND(<5)
DIBROMOBIPHENYL (DiBB)	ND(<5)
TRIBROMOBIPHENYL (TriBB)	ND(<5)
TETRABROMOBIPHENYL (TetraBB)	ND(<5)
PENTABROMOBIPHENYL (PentaBB)	ND(<5)
HEXABROMOBIPHENYL (HexaBB)	ND(<5)
HEPTABROMOBIPHENYL (HeptaBB)	ND(<5)
OCTABROMOBIPHENYL (OctaBB)	ND(<5)
NONABROMOBIPHENYL (NonaBB)	ND(<5)
DECABROMOBIPHENYL (DecaBB)	ND(<5)
POLYBROMINATED DIPHENYL ETHERS (PBDEs)(mg/kg)	
MONOBROMODIPHENYL ETHER (MonoBDE)	ND(<5)
DIBROMODIPHENYL ETHER (DiBDE)	ND(<5)
TRIBROMODIPHENYL ETHER (TriBDE)	ND(<5)
TETRABROMODIPHENYL ETHER (TetraBDE)	ND(<5)
PENTABROMODIPHENYL ETHER (PentaBDE)	ND(<5)
HEXABROMODIPHENYL ETHER (HexaBDE)	ND(<5)
HEPTABROMODIPHENYL ETHER (HeptaBDE)	ND(<5)
OCTABROMODIPHENYL ETHER (OctaBDE)	ND(<5)
NONABROMODIPHENYL ETHER (NonaBDE)	ND(<5)
DECABROMODIPHENYL ETHER (DecaBDE)	ND(<5)

CHEMIST: LV LINNA

mg/kg = MILLIGRAM PER KILOGRAM = ppm

< = LESS THAN
ND = NOT DETECTED</pre>



TESTS CONDUCTED

(B) ROHS REQUIREMENT:

RESTRICTED SUBSTANCES	LIMITS
CADMIUM (Cd)	0.01% (100 ppm)
LEAD (Pb)	0.1% (1000 ppm)
MERCURY (Hg)	0.1% (1000 ppm)
CHROMIUM (VI) (Cr ⁶⁺)	0.1% (1000 ppm)
POLYBROMINATED BIPHENYLS (PBBs)	0.1% (1000 ppm)
POLYBROMINATED DIPHENYL ETHERS (PBDEs)	0.1% (1000 ppm)

THE ABOVE LIMITS WERE QUOTED FROM 2002/95/EC AND AMENDMENT 2005/618/EC FOR HOMOGENEOUS MATERIAL.

(C) TEST METHOD:

TESTING ITEM	TESTING METHOD	REPORTING LIMIT
CADMIUM (Cd) CONTENT	WITH REFERENCE TO IEC 62321 EDITION 1.0:2008, BY ACID DIGESTION AND DETERMINED BY ICP - OES	2 mg/kg
LEAD (Pb) CONTENT	WITH REFERENCE TO IEC 62321 EDITION 1.0:2008, BY ACID DIGESTION AND DETERMINED BY ICP - OES	2 mg/kg
CONTENT	WITH REFERENCE TO IEC 62321 EDITION 1.0:2008, BY ACID DIGESTION AND DETERMINED BY ICP - OES	2 mg/kg
CHROMIUM (VI)(Cr ⁶⁺) CONTENT	WITH REFERENCE TO IEC 62321 EDITION 1.0:2008, BY ALKALINE DIGESTION AND DETERMINED BY UV-VIS SPECTROPHOTOMETER	1 mg/kg
POLYBROMINATED BIPHENYLS (PBBs)& POLYBROMINATED DIPHENYL ETHERS (PBDEs)	WITH REFERENCE TO IEC 62321 EDITION 1.0:2008, BY SOLVENT EXTRACTION AND DETERMINED BY GC/MS AND FURTHER HPLC CONFIRMATION WHEN NECESSARY	5 mg/kg

DATE SAMPLE RECEIVED : AUG 11, 2010 TESTING PERIOD : AUG 11, 2010 TO AUG 12, 2010

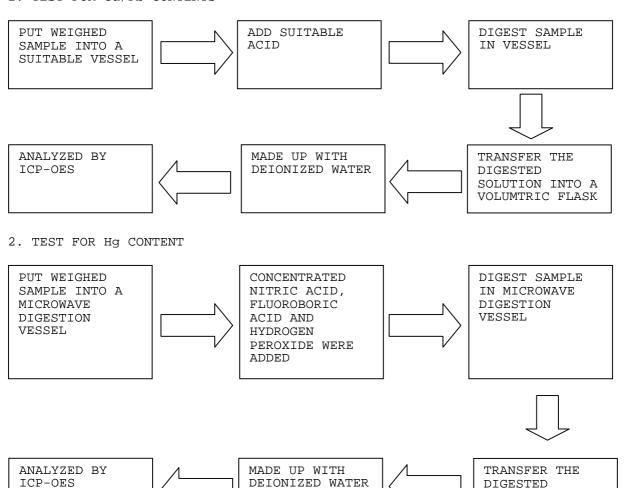
PAGE 3 OF 7



TESTS CONDUCTED

(D) MEASUREMENT FLOWCHART:

1. TEST FOR Cd/Pb CONTENTS

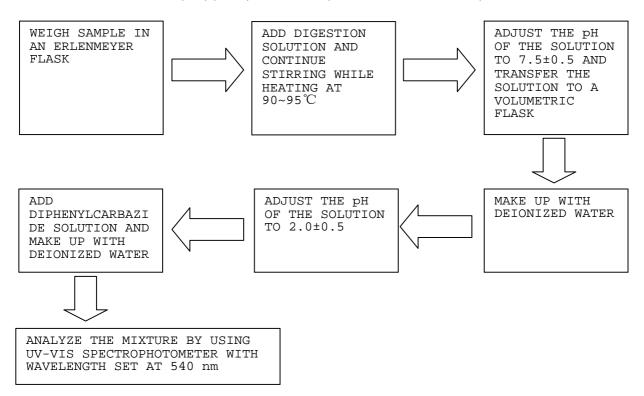


SOLUTION INTO A VOLUMTRIC FLASK

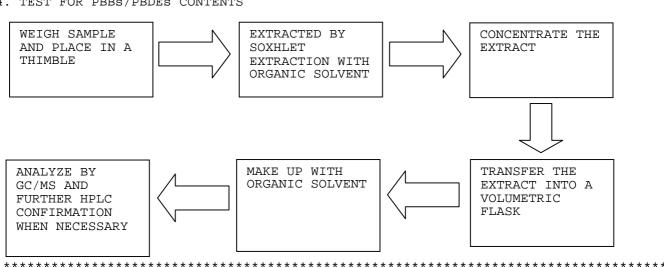


TESTS CONDUCTED

3. TEST FOR CHROMIUM (VI)(Cr⁶⁺) CONTENT (ALKALINE DIGESTION)



4. TEST FOR PBBs/PBDEs CONTENTS





TESTS CONDUCTED

(I) TEST RESULT SUMMARY :

HALOGEN CONTENT :

TESTING ITEM	RESULT (ppm)
FLUORINE (F) CONTENT	ND
CHLORINE (C1) CONTENT	135
BROMINE (Br) CONTENT	ND
IODINE (I) CONTENT	ND

REMARKS : ppm = PARTS PER MILLION

> ND= NOT DETECTED

(Π) TEST METHOD :

TESTING ITEM	TESTING METHOD	REPORTING LIMIT	
CONTENT	WITH REFERENCE TO BS EN 14582:2007 BY CALORIMETRIC BOMB AND DETERMINED BY ION CHROMATOGRAPHY	50 ppm	

REMARK: REPORTING LIMIT = QUANTITATION LIMIT OF ANALYTE IN SAMPLE

DATE SAMPLE RECEIVED : AUG 11, 2010

TESTING PERIOD : AUG 11, 2010 TO AUG 13, 2010



No.: GZ1009104795/CHEM

Date: SEP 13, 2010

Page 1 of 4

DONGGUAN QINGXI LINTALL ELECTRONIC APPLIANCES PLASTIC MFG., CO. JINGLONG INDUSTRY ZONE, QINGXI TOWN, DONGGUAN CITY, GUANGDONG

The following sample(s) was/were submitted and identified on behalf of the applicant as BB BASE

SGS Job No.

: SZML100902436

SGS Internal Reference No.

: 4.3

Tested sample information

Date of Sample Received

: 868-153

Client Reference Information

: 868-157, 868-151, 868-150, 868-154, 868-152,

868-156, 868-155; 868-157

Buyer

: MILTON, HONG KONG

Manufacture

: LANXESS, GRRMANY

Manaraotaro

E7117/1200, G11111111

: SEP 08, 2010

Testing Period

: SEP 08, 2010 TO SEP 13, 2010

Test Requested

: Selected 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(s), the results **comply** with the RoHS Directive 2002/95/EC and its subsequent amendments.

Signed for and on behalf of SGS-CSTC Ltd.

Manson Yang

Approved Signatory

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terme_and_conditions.bim_and_for electronic format documents subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of the subject of the subject of this document is advised that information contained hereon reflects the Company's findings_at the time of as independent of the subject of the subj



No.: GZ1009104795/CHEM

Date: SEP 13, 2010

Page 2 of 4

Test Results:

Description for specimen 1 : Red plastic

RoHS Directive 2002/95/EC

Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
Cadmium (Cd)	mg/kg	IEC 62321: 2008, ICP-OES	N.D.	2	100
Lead (Pb)	mg/kg	IEC 62321: 2008, ICP-OES	51	2	1000
Mercury (Hg)	mg/kg	IEC 62321: 2008, ICP-OES	N.D.	2	1000
Hexavalent Chromium (CrVI) by alkaline extraction	mg/kg	IEC 62321: 2008, UV-Vis	N.D.	2	1000
Sum of PBBs	mg/kg		N.D.		1000
Monobromobiphenyl	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Dibromobiphenyl	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Tribromobiphenyl	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Tetrabromobiphenyl	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Pentabromobiphenyl	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Hexabromobiphenyl	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Heptabromobiphenyl	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Octabromobiphenyl	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Nonabromobiphenyl	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Decabromobiphenyl	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Sum of PBDEs	mg/kg		N.D.		1000
Monobromodiphenyl ether	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Dibromodiphenyl ether	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Tribromodiphenyl ether	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Tetrabromodiphenyl ether	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Pentabromodiphenyl ether	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Hexabromodiphenyl ether	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Heptabromodiphenyl ether	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Octabromodiphenyl ether	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Nonabromodiphenyl ether	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Decabromodiphenyl ether	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	

Note:

- 1. mg/kg = ppm
- 2. N.D. = Not Detected (< MDL)
- 3. MDL = Method Detection Limit
- 4. "-" = Not regulated

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions.
htm. and, for electronic format documents, subject to Terms_and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of sability recommend and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its into certain and this document does not experience at the company's sole responsibility is to its Client and this document does not experience at the company of the Company's sole responsibility is to its Client and this document does not experience at the company of the Company.

A fundamental company is company of the Company of t



No.: GZ1009104795/CHEM

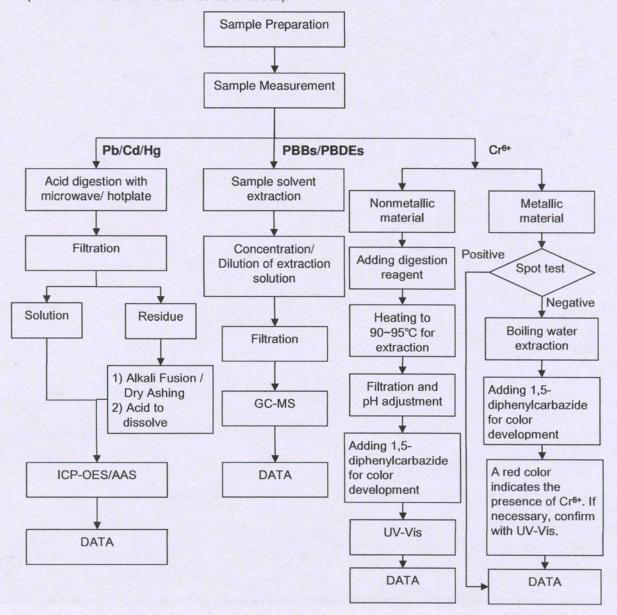
Date: SEP 13, 2010

Page 3 of 4

ATTACHMENTS

RoHS Testing Flow Chart

- 1) Name of the person who made testing: Bella Wang / Cutey Yu / Ross Zhan
- 2) Name of the person in charge of testing: Adams Yu / Ryan Yang
- 3) These samples were dissolved totally by pre-conditioning method according to below flow chart (Cr6+ and PBBs/PBDEs test method excluded).



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.egs.com/terms_and_conditions.btm_and_for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.egs.com/terms_e-document.htm. Attention is drawn to the limitation of isability. Service before any interest of the Company's findings at the time of isability driver over the company's sole responsibility is to its Client and this document does not exponent entries to a transaction from a service to a transaction document is an obligations under the transaction document cannot be reproduced except in full, without prior written approval of the Company. Are unauthorized altersition, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Wheas otherwise stated the results shown in this test report refer only to the sample(s) tested.



No.: GZ1009104795/CHEM

Date: SEP 13, 2010

Page 4 of 4

Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.egs.com/terms_and_conditions. htm. and for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.egs.com/terms_e-document.htm. Attention is drawn to the limitation of lability independent of the control of the company's findings at the time of its lost cartion only and owner to the company's sole responsibility is to its Client and this document does not experience at the company of the company of the control of the company of the control of the control of the company of the control of the control of the company of the control of the company of the control of the co

198Kestu Road Scientech Park Guangshou Economic & Technology Development Distriz, Guangshou; Chine 510663 【 (86–20) 82155555 【 (86–20) 82075113 www.cn.sgs.com中国・广州・经济技术开发区科学城科珠路198号 邮编: 510663 【 (86–20) 82155555 【 (86–20) 82075113 e sgs.chine@sgs.com



No.: GZ1009104794/CHEM

Date: SEP 13, 2010

Page 1 of 4

DONGGUAN QINGXI LINTALL ELECTRONIC APPLIANCES PLASTIC MFG., CO. JINGLONG INDUSTRY ZONE, QINGXI TOWN, DONGGUAN CITY, GUANGDONG

The following sample(s) was/were submitted and identified on behalf of the applicant as BB LID

SGS Job No. : SZML100902436

SGS Internal Reference No. : 4.2

Tested sample information : 868-153

Client Reference Information : 868-157, 868-151, 868-150, 868-154, 868-152,

868-156, 868-155; Material: 868-153

Buyer : MILTON, HONG KONG

Manufacture : LANXESS, GRRMANY

Date of Sample Received : SEP 08, 2010

Testing Period : SEP 08, 2010 TO SEP 13, 2010

Test Requested : Selected 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(s), the results **comply**with the RoHS Directive 2002/95/EC and its subsequent amendments.

Signed for and on behalf of SGS-CSTC Ltd.

Manson Yang Approved Signatory

Mango

his document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions.

If and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of
ability_demnin_cation and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of
a top certifion only any within the limits of Client's instructions. If any. The Company's sole responsibility is to its Client and this document does not exceed a transaction
for selection all their voltes and obligations under the transaction documents. This document is unfant to reproduced except in full, without prior written approval of the Company,
the unauthorized attention, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

If the company is a subject to the false is a subject to the fullest extent of the law.



No.: GZ1009104794/CHEM

Date: SEP 13, 2010

Page 2 of 4

Test Results:

Description for specimen 1 : Red plastic

RoHS Directive 2002/95/EC

Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
Cadmium (Cd)	mg/kg	IEC 62321: 2008, ICP-OES	N.D.	2	100
Lead (Pb)	mg/kg	IEC 62321: 2008, ICP-OES	43	2	1000
Mercury (Hg)	mg/kg	IEC 62321: 2008, ICP-OES	N.D.	2	1000
Hexavalent Chromium (CrVI) by	mg/kg	IEC 62321: 2008, UV-Vis	N.D.	2	1000
alkaline extraction		120 02321. 2000, 0 4-415	IV.D.	-	
Sum of PBBs	mg/kg		N.D.	-	1000
Monobromobiphenyl	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Dibromobiphenyl	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Tribromobiphenyl	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Tetrabromobiphenyl	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Pentabromobiphenyl	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Hexabromobiphenyl	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Heptabromobiphenyl	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Octabromobiphenyl	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5 5	
Nonabromobiphenyl	mg/kg	IEC 62321: 2008, GC-MS	N.D.		
Decabromobiphenyl	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Sum of PBDEs	mg/kg		N.D.	-	1000
Monobromodiphenyl ether	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Dibromodiphenyl ether	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Tribromodiphenyl ether	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Tetrabromodiphenyl ether	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Pentabromodiphenyl ether	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Hexabromodiphenyl ether	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Heptabromodiphenyl ether	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Octabromodiphenyl ether	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Nonabromodiphenyl ether	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	
Decabromodiphenyl ether	mg/kg	IEC 62321: 2008, GC-MS	N.D.	5	

Note:

- 1. mg/kg = ppm
- 2. N.D. = Not Detected (< MDL)
- 3. MDL = Method Detection Limit
- 4. "-" = Not regulated

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_end_conditions.

It mand for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_endocument.htm. Attention is drawn to the limitation of liability to some contained hereon reflects the Company's findings at the time of its job cantion only subject with the limits of Client's instructions. If any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction for exercising all their options and obligations under the transaction document. This document cannot be reproduced except in full, without prior written approval of the Company.

Are unauthorized attendant, forgery or faisification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

This document is unlawful and offenders may be prosecuted to the fullest extent of the law.



No.: GZ1009104794/CHEM

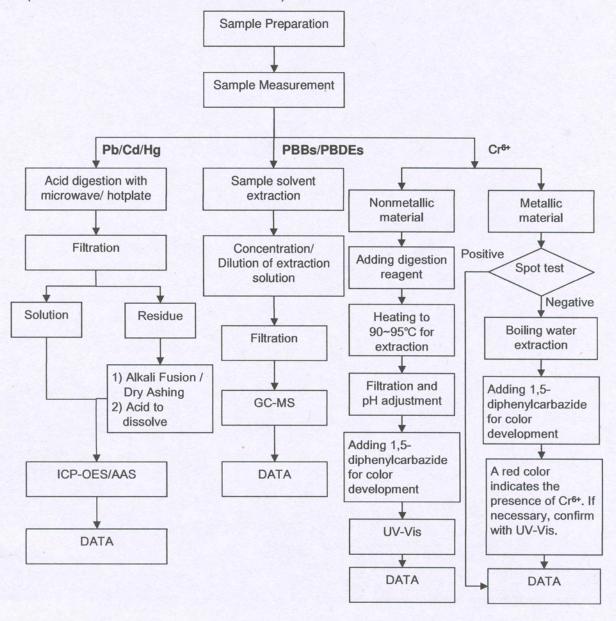
Date: SEP 13, 2010

Page 3 of 4

ATTACHMENTS

RoHS Testing Flow Chart

- 1) Name of the person who made testing: Bella Wang / Cutey Yu / Ross Zhan
- 2) Name of the person in charge of testing: Adams Yu / Ryan Yang
- 3) These samples were dissolved totally by pre-conditioning method according to below flow chart (Cr6+ and PBBs/PBDEs test method excluded).



This document is issued by the Company subject to its General Conditions of Service printed everlear, available on request or accessible at http://www.egs.com/terms_and_conditions.htm.and.for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.egs.com/terms_e-document.htm. Attention is drawn to the limitation of sability, adjumn-botton and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its indivention only any within the limits of Client's instructions, if any. The Company's soile responsibility is to its Client and this document does not excerted parties to a transaction from secretaing all their lights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any insurance at the company of stated that the containt or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. The company is the containt or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

198 Keshu Road Sourtenth Park Guargehou Economic & Technology Development District, Guargehou China 510,663 1 (86-20) 82155555 f (86-20) 82075113 www.cn.sgs.com中国,广州,经济技术开发区科学城科珠路198号 邮编: 510,663 1 (86-20) 82155555 f (86-20) 82075113 e sgs.china@sgs.com



No.: GZ1009104794/CHEM

Date: SEP 13, 2010

Page 4 of 4

Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions.

bitm and for electronic format documents subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limits of its bitm of its bitm of its bitm and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its bit e-affilion only about in the limits of Client's instructions. If any. The Company's sole responsibility is to its Client and this document does not exonerate parties to represent the contained of the contained attended to the contained attended to the contained attended to the fullest extent of the law.

It is a contained to the contained to the full of the cont

196 Kechu Rood, Sciertech Part Guergehou Economic & Technology Cevelopment Distriz, Guergehou, China 510663 1 (86-20) 82155555 1 (86-20) 82075113 www.cn.sgs.com中国,广州,经济技术开发区科学城科珠路198号 邮编: 510663 1 (86-20) 82155555 1 (86-20) 82075113 e sgs.china@sgs.com



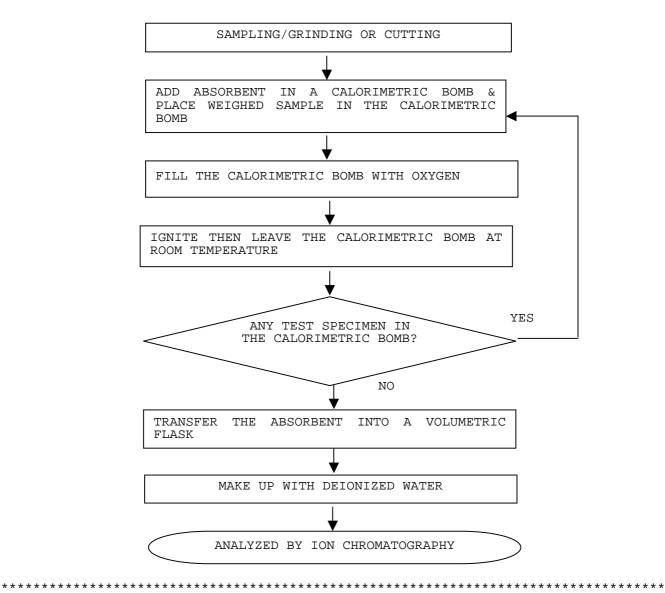
TEST REPORT NUMBER: SZHH0051716902

TESTS CONDUCTED

(Ⅲ) MEASUREMENT FLOWCHART:

TEST FOR HALOGEN CONTENT

REFERENCE METHOD: BS EN 14582:2007



END OF REPORT



No.: GZ1009104796/CHEM

Date: SEP 13, 2010

Page 1 of 3

DONGGUAN QINGXI LINTALL ELECTRONIC APPLIANCES PLASTIC MFG., CO. JINGLONG INDUSTRY ZONE, QINGXI TOWN, DONGGUAN CITY, GUANGDONG

The following sample(s) was/were submitted and identified on behalf of the applicant as DW0401

SGS Job No.

: SZML100902436

SGS Internal Reference No.

: 4.4

Client Reference Information

: Material: 6061 环保铝合金

Buyer

:长安固帮

Manufacture

:南海日精

Date of Sample Received

: SEP 08, 2010

Testing Period

: SEP 08, 2010 TO SEP 13, 2010

Test Requested

: Selected 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(s), the results **comply** with the RoHS Directive 2002/95/EC and its subsequent amendments.

Signed for and on behalf of SGS-CSTC Ltd.

Manson Yang Approved Signatory

his document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.egs.com/terms_and_conditions.

It and for electronic format documents subject to Terms and Conditions for Electronic Documents at www.egs.com/terms_e-document.htm. Attention is drawn to the limitation of
ability deprint cliques and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of
a low formation only any within the limits of Client's instructions. If any. The Company's sole responsibility is to its Client and this document does not exponent expression of the company.

The company is the company of the Company.

The company of the Company of the Company of the Company of the Company.

The company of the Company.

The company of the Company o



No.: GZ1009104796/CHEM

Date: SEP 13, 2010

Page 2 of 3

Test Results:

Description for specimen 1 : Silvery metal

RoHS Directive 2002/95/EC

Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
Cadmium (Cd)	mg/kg	IEC 62321: 2008, ICP-OES	N.D.	2	100
Lead (Pb)	mg/kg	IEC 62321: 2008, ICP-OES	122	2	1000
Mercury (Hg)	mg/kg	IEC 62321: 2008, ICP-OES	N.D.	2	1000
Hexavalent Chromium (CrVI) by boiling water extraction	-	IEC 62321: 2008, UV-Vis	Negative	♦	#

Note:

1. mg/kg = ppm

2. N.D. = Not Detected (< MDL)

3. MDL = Method Detection Limit

4. ♦ = 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 cm² sample surface area.

Storage conditions and production date of the tested sample are unavailable and thus results of Cr(VI) represent status of the sample at the time of testing.

5. # = Positive indicates the presence of CrVI on the tested area.

Negative indicates the absence of CrVI on the tested area.

6. "-" = Not regulated

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions.ntm.and.for electronic format documents.aubject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of lability deprint cation and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of talest certain only appoint in the limits of Client's instructions. If any. The Company's sole responsibility is to its Client and this document does not excerate parties to a transaction force secretion gait their options of objections under the transaction documents. This document is not not be reproduced except in full, without prior written approval of the Company, unauthorized attending, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

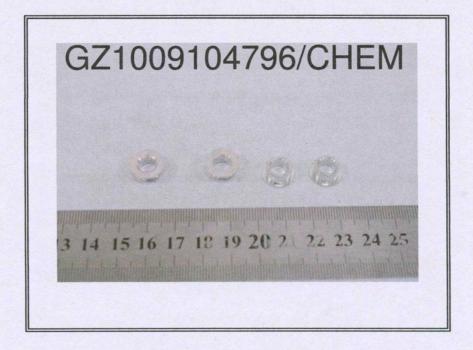


No.: GZ1009104796/CHEM

Date: SEP 13, 2010

Page 3 of 3

Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions.htm.and.for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of isalisty and within the limits of Client's instructions. If any. The Company's sole responsibility is to its Client and this document does not experience at the company's sole responsibility is to its Client and this document does not experience at the company and the transaction for exercising all their options of being attended to the responsibility and the document of the company and the transaction for exercising all their options. If any the Company is document cannot be reproduced except in full, without prior written approval of the Company.

Any unauthorized alteration, forgery or faisification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

196 Kestly Post Scinitech Park Guangshou Economic & Technology Development Distriz Guangshou China 510963 【 (86–20) 82155555 【 (86–20) 82075113 www.cn.sgs.com中国,广州,经济技术开发区科学城科珠路198号 邮编: 510963 【 (86–20) 82155555 【 (86–20) 82075113 e sgs.china@sgs.com



No.: GZ1009104793/CHEM

Date: SEP 21, 2010

Page 1 of 3

DONGGUAN QINGXI LINTALL ELECTRONIC APPLIANCES PLASTIC MFG., CO. JINGLONG INDUSTRY ZONE, QINGXI TOWN, DONGGUAN CITY, GUANGDONG

The following sample(s) was/were submitted and identified on behalf of the applicant as DW0301

SGS Job No.

: SZML100902436

SGS Internal Reference No.

: 4.1

Tested sample information

: DW0301

Client Reference Information

: DW0302; Material: HPb59-1 黄铜合金

Buyer

:长安固帮

Manufacture

: 南海日精

Date of Sample Received

: SEP 08, 2010

Testing Period

: SEP 08, 2010 TO SEP 13, 2010

Test Requested

: Selected 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(s), the results **comply** with the RoHS Directive 2002/95/EC and its subsequent amendments.

Signed for and on behalf of SGS-CSTC Ltd.

Manson Yang Approved Signatory

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions.bim and/for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of isability. Company with on and jurisdiction issues defined therein. Any holder of this document information contained herein effects the Company's findings at the time of its top adults only any within the timits of Client's instructions. If any. The Company's sole responsibility is to its Client and this document does not exponerate parties to a transaction from axerclaing all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Ayronauthorized attention, forgery or faisification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

The company is the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



No.: GZ1009104793/CHEM

Date: SEP 21, 2010

Page 2 of 3

Test Results:

Description for specimen 1: Brassy metal

RoHS Directive 2002/95/EC

Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
Cadmium (Cd)	mg/kg	IEC 62321: 2008, ICP-OES	25	2	100
Lead (Pb)	mg/kg	IEC 62321: 2008, ICP-OES	27874 ^[1]	2	1000
Mercury (Hg)	mg/kg	IEC 62321: 2008, ICP-OES	N.D.	2	1000
Hexavalent Chromium (CrVI) by boiling water extraction		IEC 62321: 2008, UV-Vis	Negative	\Diamond	#

Note:

1. mg/kg = ppm

2. N.D. = Not Detected (< MDL)

3. MDL = Method Detection Limit

4. ♦ = 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 cm² sample surface area.

Storage conditions and production date of the tested sample are unavailable and thus results of Cr(VI) represent status of the sample at the time of testing.

5. # = Positive indicates the presence of CrVI on the tested area.

Negative indicates the absence of CrVI on the tested area.

6. "-" = Not regulated

Remark[1]: According to the specification from client, specimen is copper alloy, while Lead as an alloying element in copper alloy containing up to 4% Lead by weight is exempted by RoHS regulatory (Directive 2002/95/EC of the European Parliament and of the council of 27 January 2003).

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.egs.com/terms_and_conditions.

htm and/or electronic format documents, subject to Terms and Conditions for Electronic Documents at www.ags.com/terms_e-document.htm. Attention is drawn to the limitation of isability of the property of the Company's findings at the time of isability and expensively in the limits of Client's instructions. If any, The Company's soil responsibility is to its Client and this document does not exponent parties to a transaction for exercising all they lights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company.

And the Company of the Compa



No.: GZ1009104793/CHEM

Date: SEP 21, 2010

Page 3 of 3

Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of its abolity. The subject is a subject to the foliable of this document is advised that information contained hereon reflects the Company's findings at the time of its indicated that information contained hereon reflects the Company's findings at the time of its indicated that information contained hereon reflects the Company's findings at the subject of the Company's find the company's find the company's findings at the subject of the subject of the Company's findings at the subject of the subject of

198 Kedu Paut Scientech Park Gungdrou Economic & Technology Dovelopment District Gungdrou Chine 510663 1 (86-20) 82155555 1 (86-20) 82075113 www.cn.sgs.com中国,广州,经济技术开发区科学城科珠路198号 邮编: 510663 1 (86-20) 82155555 1 (86-20) 82075113 e sgs.chine@sgs.com



Report No. RLSZC00043660000101 Page 1 of 3

Applicant

BOLUO JIANDA(PUXING)METAL PRODUCT CO.,LTD

Address

WORKSHOP A1, JIANDA METAL PLATING FACTORY, HUTOU MANAGEMENT

DISTRICT, LONGXI TOWN, BOLUO, HUIZHOU CITY

Report on the submitted sample(s) said to be

Sample Name

ZN₃/U₃

Sample Description

Blue plating

Sample Received Date

Jan. 19, 2010

Testing Period

Jan. 19, 2010 to Jan. 21, 2010

Test Requested

1.As specified by client, to determine the Lead(Pb), Cadmium(Cd), Mercury(Hg)

content in the plating layer of submitted sample.

2. As specified by client, to identify if there is the Hexavalent Chromium in the

submitted sample.

Test Method

Test Item(s)	Test Method	Measured Equipment(s)	MDL
Lead(Pb)	Plating layer test method(In-house method)and IEC 62321:2008 Ed.1 Sec.9	ICP-OES	2 mg/kg
Cadmium(Cd)	Plating layer test method(In-house method)and IEC 62321:2008 Ed.1 Sec.9	ICP-OES	2 mg/kg
Mercury(Hg)	Plating layer test method(In-house method)and IEC 62321:2008 Ed.1 Sec.7	ICP-OES	2 mg/kg
Hexavalent Chromium(Cr(VI))	IEC 62321:2008 Ed.1 Annex B	UV-Vis	1

Test Result(s)

Please refer to the following page(s).

Inspected by

Date

Mar. 9, 2010

No. 38798766

hoical Marager



Report No. RLSZC00043660000101

Page 2 of 3

Test Result(s)

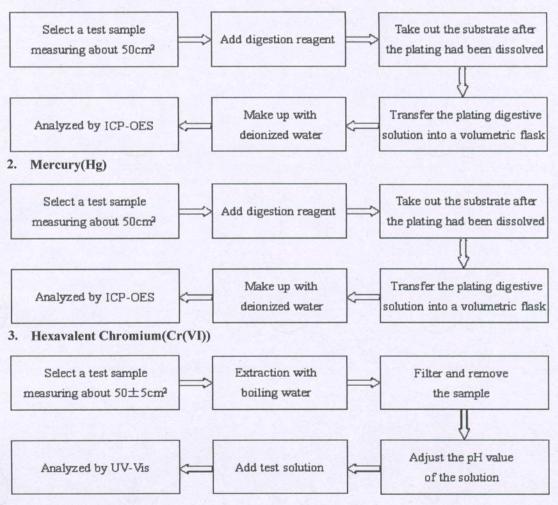
Tested Item(s)	Content	
Lead(Pb)	N.D.	
Cadmium (Cd)	N.D.	
Mercury(Hg)	N.D.	
Tested Item(s)	Conclusion	
Hexavalent Chromium(Cr(VI))	Negative	

Note:

- -MDL = Method Detection Limit
- -N.D. = Not Detected (<MDL)
- -mg/kg = ppm = parts per million
- -Negative = Absence of Cr(VI), the detected Cr(VI) concentration in the boiling water extraction solution is less than 0.02 mg/kg with 50cm² sample surface area used.

Test Process

1. Lead(Pb), Cadmium(Cd)





Report No. RLSZC00043660000101

Page 3 of 3

Photo(s) of the sample(s)



*** End of report ***

This report is considered invalidated without the Special Seal for Inspection of the CTI. This report shall not be altered, increased or deleted. The results shown in this test report refer only to the sample(s) tested. Without written approval of CTI, this test report shall not be copied except in full and published as advertisement.

Building C, Hongwei Industrial Zone, Baoan 70 District, Shenzhen

