ICP Test Report Certification Packet

Company name: Littelfuse, Inc.

Product Series: **L60030 Series – Fuse Block**

Product #: L60030M*1C(*2C*3C)
L60030*M3SQ（M1SQ—M2SQ)
L60030*M3PQ （M1PQ—M2PQ)
L60030*C1C(*C2C *C3C)
L60030C*1SQ(*2SQ*3SQ)
L60030C*1PQ(*2PQ*3PQ)
L60030CM-3PQ

Issue Date: April 16, 2014

It is hereby certified by Littelfuse, Inc. that there is neither RoHS (EU Directive 2011/65/EU, recasting 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: JORDANUFF H. CABILAN

[Global EHS Engineer]

(1) Parts, sub-materials and unit parts

This document covers the L60030 Fuse Block Series RoHS-Compliant series products manufactured by Littelfuse, Inc.

＜ Raw Materials Used

Please see Table 1

(2) The ICP data on all measurable substances

Please see appropriate pages as identifed in Table 1

Littelfuse

Remarks: The fuseblock & rejection membrane are brominated. (57924ppm)

Table 1: List of Raw Materials covered by this report

Total Parts	Raw Material Part Number	Raw Material Description	Page(s)
1	868-069	Fuse Block (PBT Valox)	3-13
2	882-649	Rejection Member (PBT Valox) (same with 868-069)	3-13
3	100060	Fuse Clip (Cu Alloy)	14-19
4	100069	Fuse Clip (Cu Alloy)	14-19
5	902-122	Self Tapping Phillips screw (Steel)	20-23
6	902-119	Type B Self Tapping Screw (Steel)	20-23
7	903-117	Square Nut (Steel)	20-23
8	902-139	Binding Head Screw (Steel)	20-23
9	902-140	Pressure Plate Screw (Steel)	20-23
10	929-023	Guide Spring (304 Steel)	24-27
11	N/A	Tin Plating of Cu Alloy	28-31
12	N/A	Zinc Plating of 304 Steel	32-35
13	N/A	Printing Ink	36-44

Test Report

Number : TWNC00338332
Date : Oct 28, 2013

Applicant: Littelfuse, S.A. de C.V.
Blvd. Fausto Z. Martinez #1800
Col. Magisterio Seccion 38 C.P.
26070 Piedra Negras, Coahuila, Mexico

Sample Description:
One (1) group of submitted samples said to be :

Part Description	:	REJECT MEMBER
Part Number	:	882-649
Date Sample Received	:	Oct 21, 2013
Date Test Started	:	Oct 22, 2013

Test Conducted :
As requested by the applicant, for details please refer to attached pages.

Authorized by:
On Behalf of Intertek Testing Services Taiwan Limited

K. Y. Liang
Director

Intertek Testing Services Taiwan Ltd.
8F., No. 423, Ruiguang Rd., Neihu District, Taipei 11492, Taiwan, R.O.C.
全國公證檢驗股份有限公司
11492 台北市內湖區瑞光路 423 號 8 樓
Tel: (+886-2) 6602-2888 · 2797-8885 Fax: (+886-2) 6602-2410

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Test Report

Number: TWNC00338332

Test Conducted

Test Result Summary:

Test Item	Unit	Test Method	Result	RL
			Black plastic	
Heavy Metal				
Cadmium (Cd) content	ppm	With reference to IEC 62321-5: 2013, by microwave or acid digestion and determined by ICP-OES.	ND	2
Lead (Pb) content	ppm	With reference to IEC 62321-5: 2013, by microwave or acid digestion and determined by ICP-OES.	8	2
Mercury (Hg) content	ppm	With reference to IEC 62321-4: 2013, by microwave or acid digestion and determined by ICP-OES.	ND	2
Chromium VI (Cr^{6+}) content	ppm	With reference to IEC 62321: 2008, by alkaline digestion and determined by UV-Vis Spectrophotometer.	ND	1
Polybrominated Biphenyls (PBBs)				
Monobrominated Biphenyls (MonoBB)	ppm	With reference to IEC 62321: 2008, by solvent extraction and determined by GC-MS and further HPLC-DAD confirmation when necessary.	ND	5
Dibrominated Biphenyls (DiBB)	ppm		ND	5
Tribrominated Biphenyls (TriBB)	ppm		ND	5
Tetrabrominated Biphenyls (TetraBB)	ppm		ND	5
Pentabrominated Biphenyls (PentaBB)	ppm		ND	5
Hexabrominated Biphenyls (HexaBB)	ppm		ND	5
Heptabrominated Biphenyls (HeptaBB)	ppm		ND	5
Octabrominated Biphenyls (OctaBB)	ppm		ND	5
Nonabrominated Biphenyls (NonaBB)	ppm		ND	5
Decabrominated Biphenyl (DecaBB)	ppm		ND	5

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Test Report

Number: TWNC00338332

Test Conducted

Test Item	Unit	Test Method	Result	RL
			Black plastic	
Polybrominated Diphenyl Ethers (PBDEs)				
Monobrominated Diphenyl Ethers (MonoBDE)	ppm	With reference to IEC 62321: 2008, by solvent extraction and determined by GC-MS and further HPLC-DAD confirmation when necessary.	ND	5
Dibrominated Diphenyl Ethers (DiBDE)	ppm		ND	5
Tribrominated Diphenyl Ethers (TriBDE)	ppm		ND	5
Tetrabrominated Diphenyl Ethers (TetraBDE)	ppm		ND	5
Pentabrominated Diphenyl Ethers (PentaBDE)	ppm		ND	5
Hexabrominated Diphenyl Ethers (HexaBDE)	ppm		ND	5
Heptabrominated Diphenyl Ethers (HeptaBDE)	ppm		ND	5
Octabrominated Diphenyl Ethers (OctaBDE)	ppm		ND	5
Nonabrominated Diphenyl Ethers (NonaBDE)	ppm		ND	5
Decabrominated Diphenyl Ether (DecaBDE)	ppm		ND	5
Halogen Content				
Fluorine (F)	ppm	With reference to EN 14582:2007 by combustion bomb with oxygen and determined by Ion Chromatography.	337	50
Chlorine (Cl)	ppm		ND	50
Bromine (Br)	ppm		57924	50
Iodine (I)	ppm		ND	50
Phthalates				
Di(2-ethylhexyl) Phthalate (DEHP)	ppm	With reference to EN 14372: 2004, by solvent extraction and determined by GC-MS.	ND	10
Dibutyl Phthalate (DBP)	ppm		ND	10
Benzyl Butyl Phthalate (BBP)	ppm		ND	10

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Intertek

Test Report

Number: TWNC00338332

Test Conducted

Test Item	Unit	Test Method	Result	RL
			Black plastic	
Others				
Hexabromocyclododecane (HBCDD)	ppm	With reference to USEPA 3540C, by solvent extraction and determined by GC-MS.	ND	10

Remarks: ppm = Parts per million based on weight of tested sample = mg/kg
ND = Not detected
RL = Reporting limit, quantitation limit of analyte in sample

Responsibility of Chemist: Kevin Liu/ Irene Chiou/ Vico Lin

Date Sample Received : Oct 21, 2013
Test Period : Oct 22, 2013 To Oct 28, 2013

RoHS Limit

Restricted Substances	Limits
Cadmium (Cd) content	0.01% (100ppm)
Lead (Pb) content	0.1% (1000ppm)
Mercury (Hg) content	0.1% (1000ppm)
Chromium VI (Cr^{6+}) content	0.1% (1000ppm)
Polybrominated Biphenyls (PBBs)	0.1% (1000ppm)
Polybrominated Diphenyl Ethers (PBDEs)	0.1% (1000ppm)

The above limits were quoted from Annex II of 2011/65/EU for homogeneous material.

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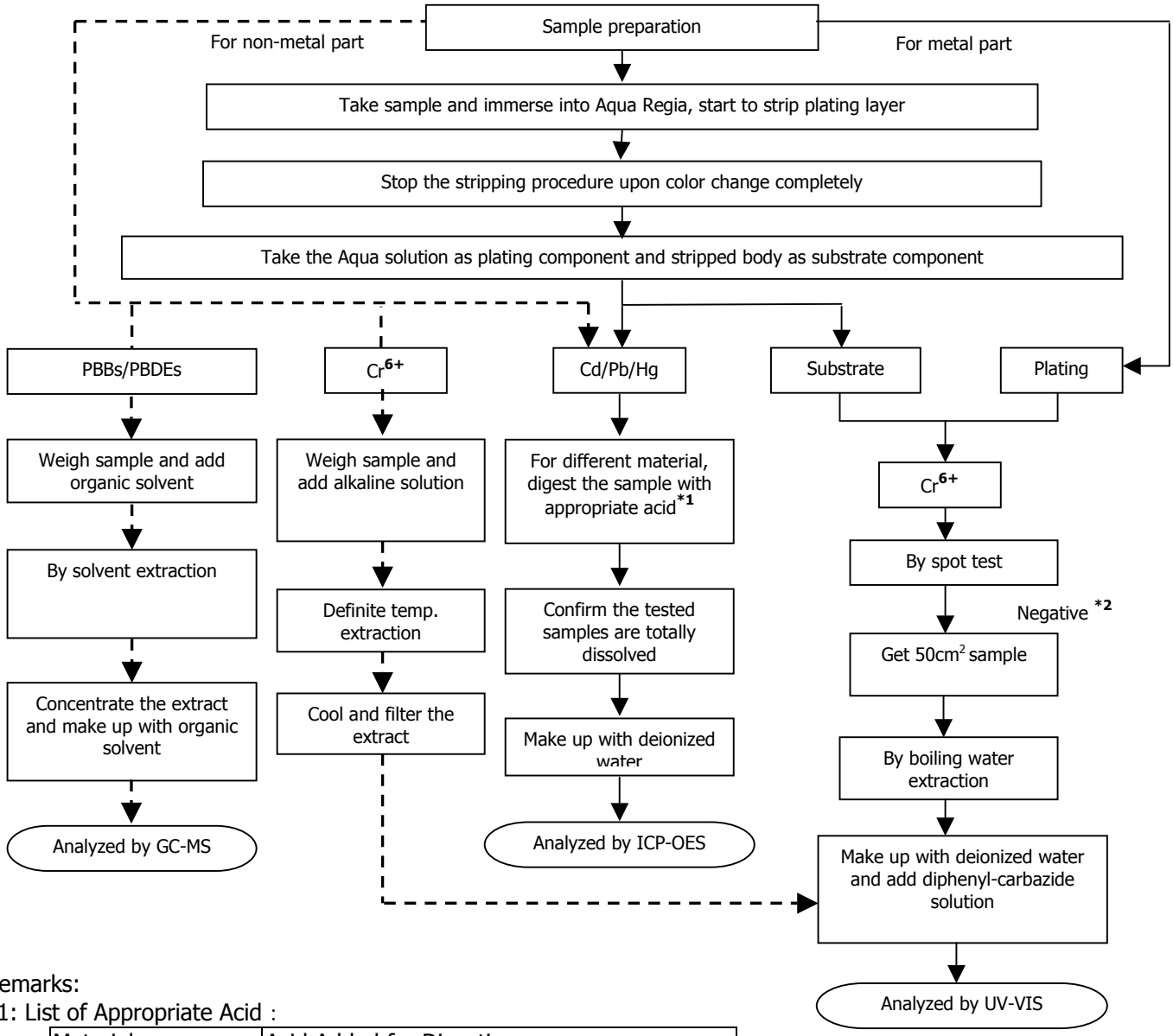
Test Report

Number: TWNC00338332

Test Conducted
Measurement Flowchart:

Test for Cd/Pb/Hg/Chromium (VI)/PBBs/PBDEs Contents
Reference Standard：Cd/Pb: IEC 62321-5:2013; Hg: IEC 62321-4:2013;
Chromium (VI)/PBBs/PBDEs: IEC 62321:2008



Remarks:
*1: List of Appropriate Acid：

Material	Acid Added for Digestion
Polymers	HNO_3,HCl,HF,H_2O_2,H_3BO_3
Metals	HNO_3,HCl,HF
Electronics	HNO_3,HCl,H_2O_2,HBF_4

*2: If the result of spot test is positive, Chromium VI would be determined as detected.

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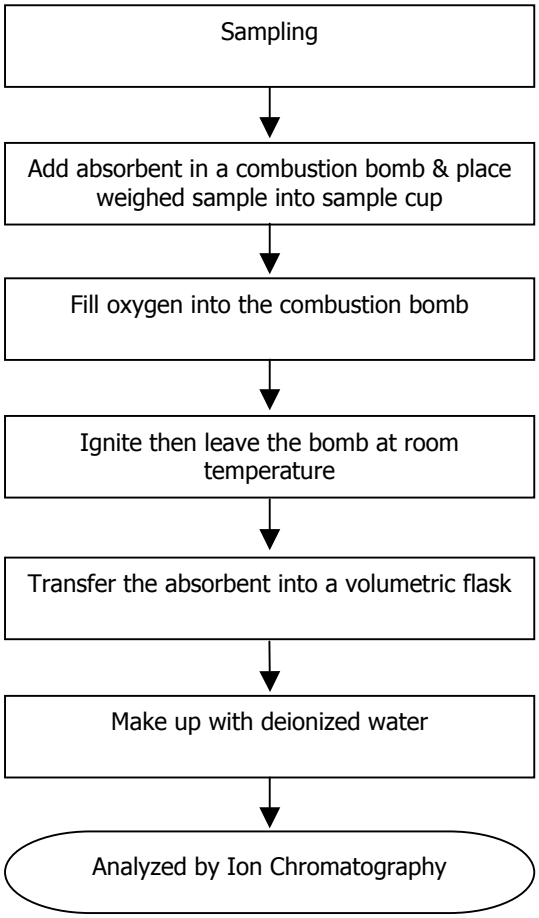
11492 台北市內湖區瑞光路 423 號 8 樓
Tel: (+886-2) 6602-2888，2797-8885 Fax: (+886-2) 6602-2410

Test Report

Number: TWNC00338332

Test Conducted
Measurement Flowchart:

Test for Halogen Contents
Reference Method：EN 14582



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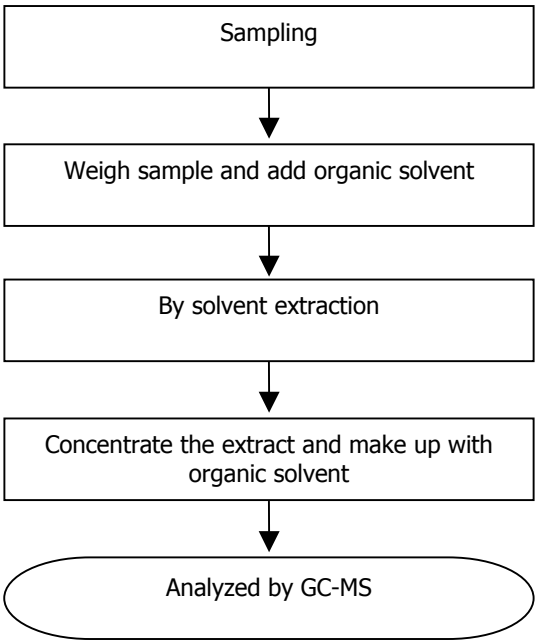
Test Report

Number: TWNC00338332

Test Conducted
Measurement Flowchart:

Test for Phthalates Contents
Reference Method: EN 14372: 2004



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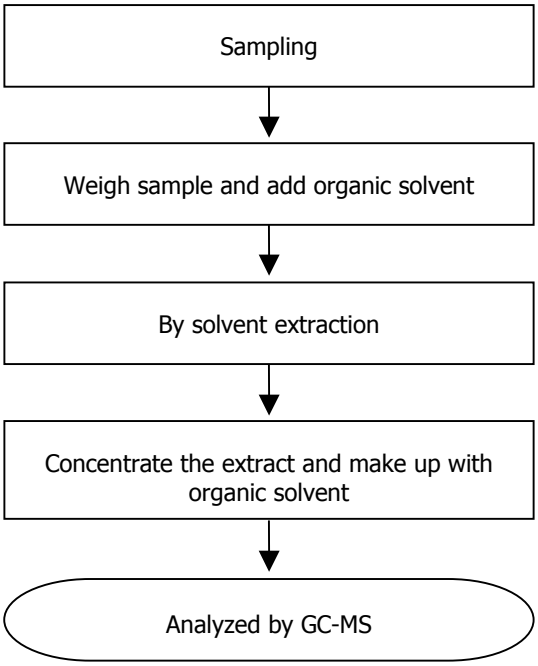
Test Report

Number: TWNC00338332

Test Conducted

Measurement Flowchart:

Test for Hexabromocyclododecane (HBCDD) Content
Reference Method：USEPA 3540C



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Test Report

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End of Report

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11492 台北市內湖區瑞光路 423 號 8 樓
Tel: (+886-2) 6602-2888 · 2797-8885 Fax: (+886-2) 6602-2410

Intertek

Number: TWNC00338332

TERMS AND CONDITIONS OF BUSINESS

1. Intertek Testing Services Taiwan Ltd. (hereinafter "the Company") agrees to provide its services in accordance with and subject to the terms and conditions herein contained (hereinafter "the Conditions"). The Conditions may only be modified by a variation expressed in writing and signed on behalf of the Company by a director and no other action on the part of the Company or its employees or agents shall be construed as an acceptance of any other terms and conditions.
2. The Company acts for the person or body from whom the request to provide its services has originated (hereinafter "the Principal"). No other party is entitled to give instructions to the Company unless agreed by the Company.
3. All rights (including but not limited to copyright) in any test reports, surveys, certificates of inspection or other material produced by the Company in the course of providing its services shall remain vested in the Company. The Principal shall not reproduce or make copies, publish or disclose the contents of any such material or extracts thereof to any third party without the Company's prior written consent, which may be refused at its discretion. The Principal further undertakes that its servants and agents shall keep confidential and shall not publish or otherwise use any information that may be acquired relating to the Company's activities.
4. 4.1 The Company undertakes to exercise due care and skill in the performance of its services and accepts responsibility only where such skill and care is not exercised.
   4.2 The liability of the Company in respect of any claims for loss, damage or expense of whatsoever nature and howsoever arising in respect of any breach of contract and/or any failure to exercise due skill and care by the Company shall in no circumstances exceed a total aggregate sum equal to ten (10) times the amount of the fee or commission payable in respect of the specific service required under the particular contract with the Company which gives rise to such claims provided however that the Company shall have no liability in respect of any claims for indirect or consequential loss including loss of profit and/or loss of future business and/or loss of production and/or cancellation of contracts entered into by the Principal.
   4.3 The Company shall not in any event be liable for any loss or damage caused by delay in performance or non-performance of any of its services where the same is occasioned by any cause whatsoever that is beyond the Company's control including but not limited to war, civil disturbance, requisitioning, governmental or parliamentary restriction, prohibitions or enactment of any kind, import or export regulations, strike or trade dispute (whether involving its own employees or those of any other person), difficulties in obtaining workmen or materials, breakdown of machinery, fire or accident. Should any such event occur the Company may cancel or suspend any contract for the provision of services without incurring any liability whatsoever.
   4.4 The Company will not be liable to the Principal for any loss or damage whatsoever sustained by the Principal as a result of any failure by the Company to comply with any time estimate given by the Company relating to the provision of its services. [See clause 9.1] [See clause 9.2]
   4.5 The Principal acknowledges that samples may be damaged or destroyed in the course of testing carried out by the Company or any of the Company's agent or subcontractor as part of the necessary testing process and the Company shall not in any event be liable for any loss or damage arising from the damage or destruction of the samples subject to testing.
   4.6 In the event that the Principal requests for the return of the samples, the Company shall not be responsible for any re-packaging of the samples prior to such return and the Company shall in no circumstances be liable for any loss or damage caused to any of the samples during or as a result of their shipment to the Principal for the purpose of this Clause 4.6.
5. 5.1 Subject to the Principal's instructions as accepted by the Company, the test reports, surveys, certificates of inspection or other material produced by the Company shall contain statements of opinion made with due care within the limitation of the instructions received by the Company. The Company is under no obligation to refer to or report upon any facts or circumstances which are outside the specific instructions received.
   5.2 For pre-shipment inspection or survey of goods, the Company's inspector shall perform the inspection or survey when goods are 100% completed, packed and marked (unless otherwise agreed between the Company and the Principal). Goods for inspection or survey shall be unpacked in the presence of the Company's inspector and inspection or survey shall, subject to Condition 5.3, take place at the place specified by the Principal.
   5.3 If the Company's inspector finds that the location is not suitable for carrying out a proper inspection or survey of goods or where necessary equipment for inspection or survey is not available the inspector may, if practical in the circumstances, draw samples of goods from the location and carry out the inspection or survey at the premises of the Company. The Principal shall be responsible for all costs and expenses incurred in relation thereto.
   5.4 Reports, surveys or certificates issued following testing or analysis of samples contain the Company's specific opinion on those samples only but do not express any opinion upon the bulk from which the samples were drawn. If an opinion on the bulk is requested special arrangements in writing must be made in advance with the Company for the inspection and sampling of the bulk. In no circumstances shall the Company's responsibility extend beyond inspection, testing and reporting upon the samples actually drawn from the bulk and inspected, tested and surveyed by the Company and any inference to be drawn from the results of such inspection or survey or testing shall be entirely in the discretion and at the sole and exclusive responsibility of the Principal.
6. The Company shall be entitled at its discretion to delegate the performance of the whole or any part of the services contracted for with the Principal to any agent or subcontractor.
7. Every officer, employee, agent or subcontractor of the Company shall have the benefit of the limitations of liability and the indemnities contained in the General Conditions. So far as relates to such limitations and indemnities, any contract entered into by the Company is entered into not only on its own behalf but also as agent and trustee for every such person as aforesaid.
8. If the requirements of the Principal necessitate the analysis of samples by the Principal or by any third party the Company will pass on the results of the analysis but without responsibility for its accuracy. Where the Company is only able to witness an analysis by the Principal or by any third party the Company will provide confirmation, if such be the case, that a correct sample has been analysed but will not otherwise be responsible for the accuracy of such analysis.
9. The Principal will:
   9.1 ensure that instructions to the Company are given in due time and are accompanied by sufficient information to enable the required services to be performed effectively;
   9.2 accept that documents reflecting arrangements or agreements made between the Principal and any third party, or third party documents such as copies of contracts of sale, letters of credit, bills of lading, etc. are -if received by the Company considered to be for information only, without extending or restricting the services to be provided or obligations accepted by the Company.
   9.3 procure all necessary access for the Company's representatives to enable the required services to be performed effectively.
   9.4 supply, if required, any special equipment and personnel necessary for the performance of the required services.
   9.5 ensure that all necessary measures are taken for safety and security of working conditions, sites and installations during the performance of the required services;

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9.6 take all necessary steps to eliminate or remedy any obstruction to or interruptions in the performance of the required services and repack all inspected goods immediately after any inspection or survey of them;

9.7 inform the Company in advance of any known hazards or dangers, actual or potential, associated with any request for the provision of services by the Company including but not limited to the presence or risk of radiation, toxic or noxious or explosive elements or materials, environmental pollution or poisons;

10. The Principal shall guarantee, hold harmless and indemnify the Company and its officers, employees, agents or subcontractors against :

10.1 all claims made by any third party for any loss, damage or expense of whatsoever nature and howsoever arising relating to the performance, purported performance or non-performance of any of services to the extent that the aggregate of any such claims relating to any one service exceeds the limit mentioned in Condition 4.2.

10.2 any loss or damage suffered by the Company as a result of the provision of services by the Company to the Principal otherwise than resulting from the Company's own error, negligence or wilful default.

11. 11.1 The Principal will punctually pay the Company immediately upon presentation of the relevant invoice or within such other period as may have been agreed in writing by the Company all charges rendered by the Company failing which interest will become due at the rate of 1.5 per cent per month from the date of invoice until payment. The Principal further agrees and undertakes to reimburse the Company all disbursements reasonably incurred in connection with the provision of its services.

11.2 The Principal shall not be entitled to retain or defer payment of any sums due to the Company on account of any dispute, cross claim or set off which it may allege against the Company.

11.3 In the event of any suspension of payment arrangement with creditors, bankruptcy, insolvency, receivership or cessation of business or failure of the Principal to pay part or all of any sums owing to the Company, the Company shall be entitled to suspend all further performance of its services and withhold the issue of any test report, survey, certificate of inspection or other material requested forthwith and without liability until payment of all sums owing to the Company together with interest thereon is made

12. Without prejudice to any rights the Company may have at law or under the Conditions, the Company has the following rights in the event of non-payment of sums owing to the Company as set out below:

12.1 The Company has a general and particular lien over all samples delivered to be tested for all claims and sums owing by the Principal to the Company under any contract whatsoever and in any other way whatsoever.

12.2 During the currency of any such lien the Company is entitled to be paid reasonable storage charges for samples retained in the Company's custody.

12.3 Without prejudice to the Company's lien and other rights under Conditions 12.1 to 12.2 above, if test, inspection or survey of the goods takes place on the premises of the Company, the Company may give notice to the Principal that the goods (or any part thereof) are ready for collection and the Principal shall collect the same within three (3) calendar days (Saturdays, Sundays and Public Holidays excepted). Upon the expiry of this period, if the goods are not collected by the Principal, at the sole discretion of the Company the goods may be deemed abandoned and/or destroyed.

12.4 Without prejudice to Conditions 12.3 above, the Company shall have the discretion to store the goods (or any of them) at their own premises or elsewhere at the Principal's expense if the Principal has deposited the goods at the Company's premises for the performance of these services and has subsequently failed to collect the said goods.

12.5 The expenses by way of disbursements that the Company may reclaim from the Principal include all reasonable costs incurred by the Company (whether by way of storage, insurance or otherwise) in respect of the goods and it is expressly declared that it shall be reasonable but not mandatory for the Company to effect comprehensive insurance in respect of the goods.

12.6 Without prejudice to the Company's lien and other rights under Conditions 12.1 to 12.5 above, the risk and property in the goods shall remain at all times in the Principal.

13. In the event of the Company being prevented by reason of any cause whatsoever outside the Company's control from performing or completing any service for which an order has been given or an agreement made, the Principal will pay to the Company:

13.1 the amount of all abortive expenditure actually made or incurred; and

13.2 a proportion of the agreed fee or commission equal to the proportion (if any) of the service actually carried out;

and the Company shall be relieved of all responsibility whatsoever for the partial or total non-performance of the required service.

14. The Company shall be discharged from all liability to the Principal for all claims for loss, damage or expense unless suit is brought within twelve (12) months after the date of the performance by the Company of the service which gives rise to the claim or in the event of any alleged non-performance within twelve (12) months of the date when such service should have been completed.

15. In the event that any unforeseen additional time or costs are incurred in the course of carrying out any of its services the Company shall be entitled to render additional charges as shall reasonably reflect such additional time and costs incurred.

16. All contracts for provision of services by the Company and the Conditions shall be construed in accordance with and governed by the laws of the ROC and for the purpose of any arbitral or litigation proceedings such contracts shall be deemed to have been made and performed in Taiwan. If any provision contained in the Conditions is and/or becomes invalid, illegal or unenforceable in any respect under the laws of the ROC, the validity, legality and enforceability of the remaining provisions hereof shall not in any way be affected or impaired thereby.

17. Any dispute or claim arising out of or relating to the provision of, or any agreement to provide, services by the Company shall be referred to and determined by arbitration subject to the Company's sole and overriding discretion to commence litigation proceedings in the courts of Taiwan or the courts of any other country as the Company may choose. The parties may agree to the appointment of an arbitrator failing which either party may, after having made a written request to concur in the appointment of an arbitrator, request the ROC Arbitration Association to appoint an arbitrator. The place of arbitration shall be in Taiwan. There shall only be one arbitrator.

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Tel: (+886-2) 6602-2888 · 2797-8885 Fax: (+886-2) 6602-2410

測試報告
Test Report

號碼(No.) : CE/2013/C0505　　日期(Date) : 2013/12/10　　頁數(Page): 1 of 6

LITTELFUSE 菲律宾 INC
LITTELFUSE PHILIPPINES INC.
LIMA 技术中心 利帕市 马尔瓦，八打雁
LIMA TECHNOLOGY CENTER, LIPA CITY, MALVAR BATANGAS

以下測試樣品係由申請廠商所提供及確認 (The following sample(s) was/were submitted and identified by/on behalf of the applicant as)：

樣品名稱(Sample Description)	:	PHOSPHOR BRONZE (磷青銅)
樣品型號(Style/Item No.)	:	C5191
收件日期(Sample Receiving Date)	:	2013/12/03
測試期間(Testing Period)	:	2013/12/03 TO 2013/12/10

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測試需求(Test Requested)： 依據客户要求，參考RoHS 2011/65/EU Annex II 指令進行鎘，鉛，汞，六價鉻，多溴聯苯,多溴聯苯醚測試. (As specified by client, with reference to RoHS Directive 2011/65/EU Annex II to determine Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs contents in the submitted sample.)

測試方法(Test Method)　： 請見下一頁 (Please refer to next pages).

測試結果(Test Results)　： 請見下一頁 (Please refer to next pages).

SGS TAIWAN LTD
SGS
TAIWAN

Troy Chang / Manager-Tech
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory – Taipei

測試報告
Test Report

LITTELFUSE 菲律宾 INC
LITTELFUSE PHILIPPINES INC.
LIMA 技术中心 利帕市 马尔瓦，八打雁
LIMA TECHNOLOGY CENTER, LIPA CITY, MALVAR BATANGAS

測試結果(Test Results)

測試部位(PART NAME)No.1 : 銅色金屬 (COPPER COLORED METAL)

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測極限值 (MDL)	結果 (Result) No.1
鎘 / Cadmium (Cd)	mg/kg	參考IEC 62321-5: 2013方法，以感應耦合電漿原子發射光譜儀檢測. / With reference to IEC 62321-5: 2013 and performed by ICP-AES.	2	n.d.
鉛 / Lead (Pb)	mg/kg	參考IEC 62321-5: 2013方法，以感應耦合電漿原子發射光譜儀檢測. / With reference to IEC 62321-5: 2013 and performed by ICP-AES.	2	23
汞 / Mercury (Hg)	mg/kg	參考IEC 62321-4: 2013方法，以感應耦合電漿原子發射光譜儀檢測. / With reference to IEC 62321-4: 2013 and performed by ICP-AES.	2	n.d.
六價鉻 / Hexavalent Chromium Cr(VI)	**	參考IEC 62321: 2008方法，以沸水萃取法檢測. / With reference to IEC 62321: 2008 and performed by Boiling water extraction Method.#	#	Negative
多溴聯苯總和 / Sum of PBBs	mg/kg	參考IEC 62321: 2008方法，以氣相層析/質譜儀檢測. / With reference to IEC 62321: 2008 and performed by GC/MS.	-	n.d.
一溴聯苯 / Monobromobiphenyl	mg/kg		5	n.d.
二溴聯苯 / Dibromobiphenyl	mg/kg		5	n.d.
三溴聯苯 / Tribromobiphenyl	mg/kg		5	n.d.
四溴聯苯 / Tetrabromobiphenyl	mg/kg		5	n.d.
五溴聯苯 / Pentabromobiphenyl	mg/kg		5	n.d.
六溴聯苯 / Hexabromobiphenyl	mg/kg		5	n.d.
七溴聯苯 / Heptabromobiphenyl	mg/kg		5	n.d.
八溴聯苯 / Octabromobiphenyl	mg/kg		5	n.d.
九溴聯苯 / Nonabromobiphenyl	mg/kg		5	n.d.
十溴聯苯 / Decabromobiphenyl	mg/kg		5	n.d.

測試報告
Test Report

LITTELFUSE 菲律宾 INC
LITTELFUSE PHILIPPINES INC.
LIMA 技术中心 利帕市 马尔瓦，八打雁
LIMA TECHNOLOGY CENTER, LIPA CITY, MALVAR BATANGAS

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測極限值 (MDL)	結果 (Result) No.1
多溴聯苯醚總和 / Sum of PBDEs	mg/kg	參考IEC 62321: 2008方法，以氣相層析/質譜儀檢測. / With reference to IEC 62321: 2008 and performed by GC/MS.	-	n.d.
一溴聯苯醚 / Monobromodiphenyl ether	mg/kg		5	n.d.
二溴聯苯醚 / Dibromodiphenyl ether	mg/kg		5	n.d.
三溴聯苯醚 / Tribromodiphenyl ether	mg/kg		5	n.d.
四溴聯苯醚 / Tetrabromodiphenyl ether	mg/kg		5	n.d.
五溴聯苯醚 / Pentabromodiphenyl ether	mg/kg		5	n.d.
六溴聯苯醚 / Hexabromodiphenyl ether	mg/kg		5	n.d.
七溴聯苯醚 / Heptabromodiphenyl ether	mg/kg		5	n.d.
八溴聯苯醚 / Octabromodiphenyl ether	mg/kg		5	n.d.
九溴聯苯醚 / Nonabromodiphenyl ether	mg/kg		5	n.d.
十溴聯苯醚 / Decabromodiphenyl ether	mg/kg		5	n.d.

備註(Note)：

1. mg/kg = ppm；0.1wt% = 1000ppm
2. n.d. = Not Detected (未檢出)
3. MDL = Method Detection Limit (方法偵測極限值)
4. "-" = Not Regulated (無規格值)
5. **= Qualitative analysis (No Unit) 定性分析(無單位)
6. # = a. Positive means the presence of CrVI on the tested areas
   (Positive表示測試區域偵測到六價鉻)
   b. Negative means the absence of CrVI on the tested areas
   (Negative表示測試區域未偵測到六價鉻)
   The detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm^2 tested areas. / 該溶液濃度≧0.02 mg/kg with 50 cm^2 (tested areas)

LITTELFUSE 菲律宾 INC
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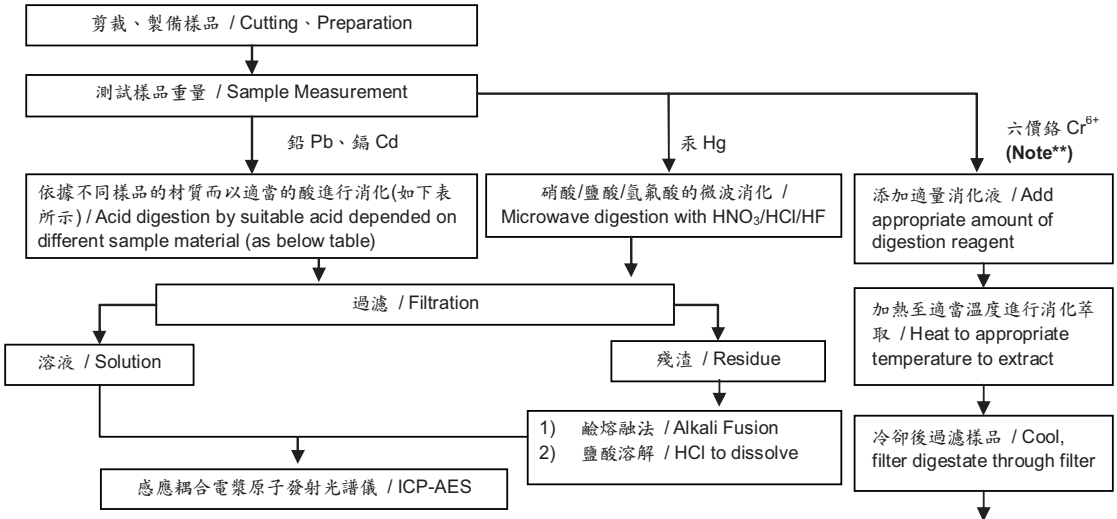
LIMA TECHNOLOGY CENTER, LIPA CITY, MALVAR BATANGAS

1) 根據以下的流程圖之條件，樣品已完全溶解。(六價鉻測試方法除外) / These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr^{6+} test method excluded)
2) 測試人員：楊登偉 / Name of the person who made measurement: Climbgreat Yang
3) 測試負責人：張啓興 / Name of the person in charge of measurement: Troy Chang



樣品材質 / Sample Material	消化酸液種類 / Digestion Acid
鋼，銅，鋁，焊錫 / Steel, copper, aluminum, solder	王水，硝酸，鹽酸，氫氟酸，雙氧水 / Aqua regia, HNO_3, HCl, HF, H_2O_2
玻璃 / Glass	硝酸,氫氟酸 / HNO_3/HF
金，鉑，鈀，陶瓷 / Gold, platinum, palladium, ceramic	王水 / Aqua regia
銀 / Silver	硝酸 / HNO_3
塑膠 / Plastic	硫酸，雙氧水，硝酸，鹽酸 / H_2SO_4, H_2O_2, HNO_3, HCl
其他 / Others	加入適當的試劑至完全溶解 / Added appropriate reagent to total digestion

Note:** (1) 針對非金屬材料加入鹼性消化液，加熱至 90~95℃ 萃取. / For non-metallic material, add alkaline digestion reagent and heat to 90~95℃.
(2) 針對金屬材料加入純水，加熱至沸騰萃取. / For metallic material, add pure water and heat to boiling.

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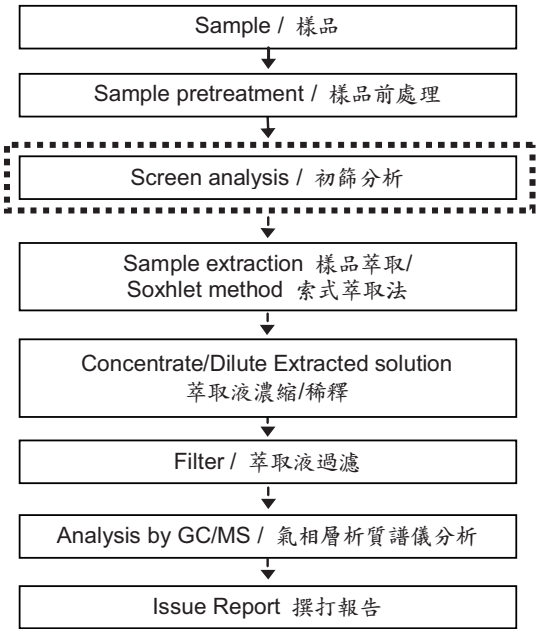
LIMA TECHNOLOGY CENTER, LIPA CITY, MALVAR BATANGAS

多溴聯苯/多溴聯苯醚分析流程圖 / PBB/PBDE analytical FLOW CHART

- 測試人員：翁賜彬 / Name of the person who made measurement: Roman Wong
- 測試負責人：張啓興 / Name of the person in charge of measurement: Troy Chang

初次測試程序 / First testing process ——→
選擇性篩檢程序 / Optional screen process ▪▪▪▪▪▪▪▪
確認程序 / Confirmation process — · — ·▸



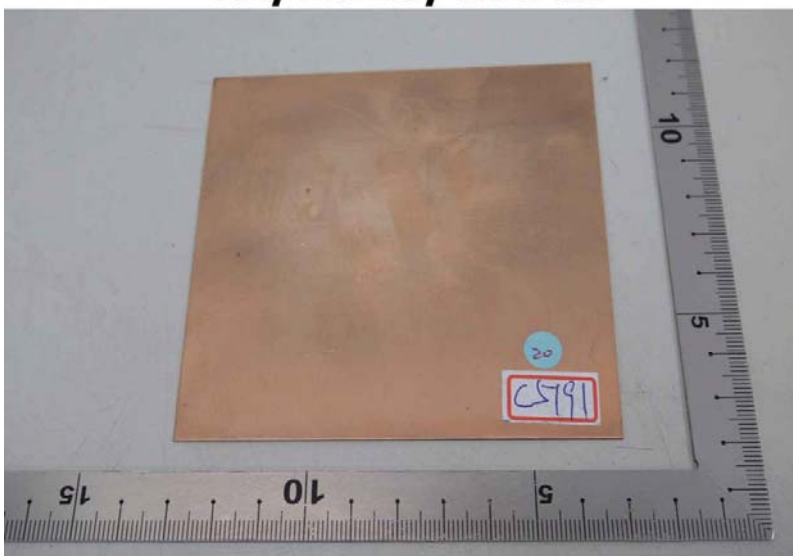
測試報告
Test Report

號碼(No.) : CE/2013/C0505　　日期(Date) : 2013/12/10　　頁數(Page): 6 of 6

LITTELFUSE 菲律宾 INC
LITTELFUSE PHILIPPINES INC.
LIMA 技术中心 利帕市 马尔瓦，八打雁
LIMA TECHNOLOGY CENTER, LIPA CITY, MALVAR BATANGAS

*** 照片中如有箭頭標示，則表示爲實際檢測之樣品/部位. ***
(The tested sample / part is marked by an arrow if it's shown on the photo.)

CE/2013/C0505



** 報告結尾 (End of Report) **

Test Report

Report No. RHS06F001428001

Applicant WENZHOU JANDA ELECTRONIC CO.,LTD
Address NO2,WANGLIN INDUSTRY ZONE,BEIBAIXIANG TOWN,YUEQING CITY. ZHEJIANG PROVINCE,CHINA.325603

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

Sample Name Steel
Sample Received Date Jul. 30, 2013
Testing Period Jul. 30, 2013 to Aug. 1, 2013

Test Requested As specified by client, to test Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)) in the submitted sample(s).

Test Method

Test Item(s)	Test Method	Measured Equipment(s)
Lead(Pb)	IEC 62321:2008 Ed.1 Sec.9	ICP-OES
Cadmium(Cd)	IEC 62321:2008 Ed.1 Sec.9	ICP-OES
Mercury(Hg)	IEC 62321:2008 Ed.1 Sec.7	ICP-OES
Hexavalent Chromium(Cr(VI))	IEC 62321:2008 Ed.1 Annex B	UV-Vis

Test Result(s) Please refer to the following page(s).

Tested by Sha Chen Reviewed by Lin Zhang

Approved by Wei Miao Date Aug. 1, 2013

Wei Miao
Approved Signatory

No. 1382077040

Test Report

Report No. RHS06F001428001

Test Result(s)

Tested Item(s)	Result	MDL
Lead(Pb)	N.D.	2 mg/kg
Cadmium(Cd)	N.D.	2 mg/kg
Mercury(Hg)	N.D.	2 mg/kg

Tested Item(s)	Result	MDL
Hexavalent Chromium(Cr(VI))	Negative	/

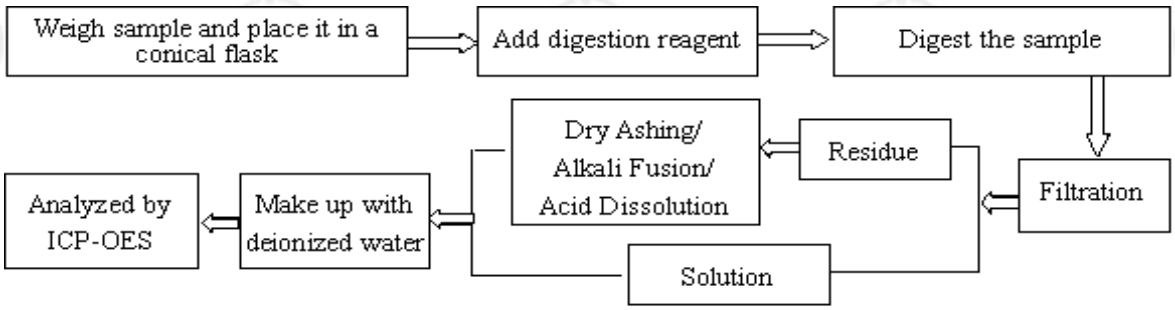
Tested Sample/Part Description Metal base

Note: **The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.**
-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.

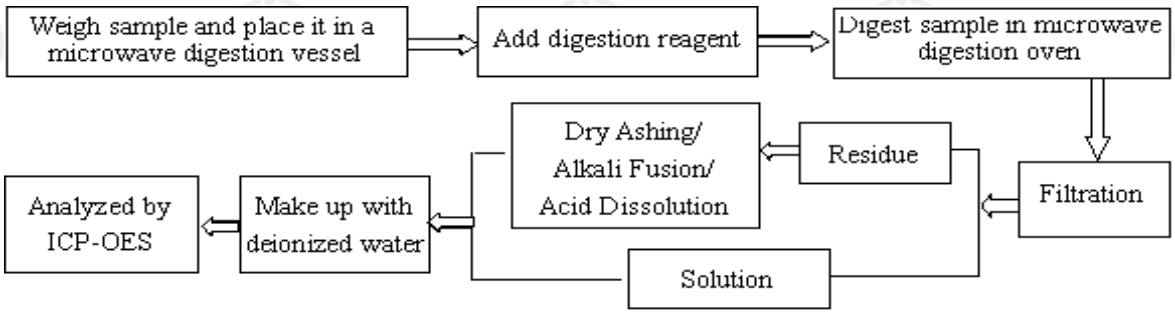
Test Report

Test Process

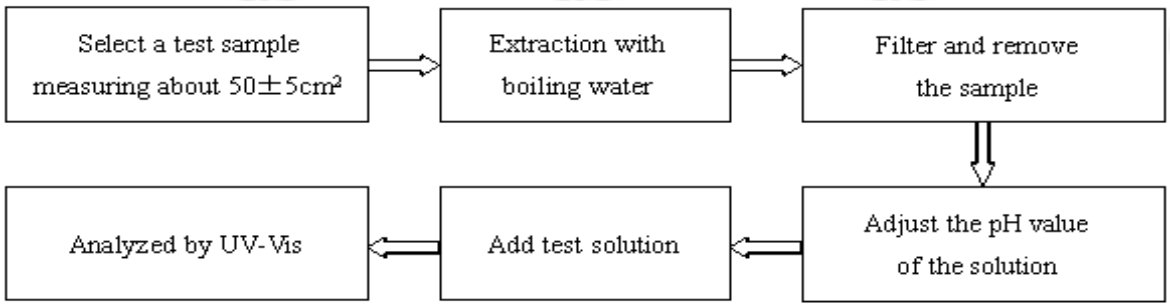
1. Lead(Pb), Cadmium(Cd)



2. Mercury(Hg)



3. Hexavalent Chromium(Cr(VI))



Test Report

Photo(s) of the sample(s)

*** End of report ***

DONGGUAN KAIDI METAL MATERIAL CO.,LTD.
XIAO-BIAN COUNTY CHANG-AN TOWN DONG-GUAN CITY GUANGDONG
CHINA.

The following sample(s) was/were submitted and identified on behalf of the clients as : SUS304.

SGS Job No. :	13634656 - GZ.
Internal Reference No. :.	GC120220228-5.2.
Date of Sample Received :.	14 Feb 2013.
Testing Period :.	14 Feb 2013 - 17 Feb 2013.
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 selected part of submitted sample(s), the results of Lead, Mercury, Cadmium, Hexavalent chromium comply with the limits in RoHS Directive 2011/65/EU Annex II; recasting 2002/95/EC..

Signed for and on behalf of
SGS-CSTC Ltd..

Almay Gao.
Approved Signatory.

Test Results :.

Test Part Description :.

Specimen No..	SGS Sample ID.	Description.
1.	CAN12-010879.002	Silver-gray metal sheet.

Remarks :.

(1) 1 mg/kg = 1 ppm = 0.0001%.
(2) MDL = Method Detection Limit.
(3) ND = Not Detected (< MDL).
(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 Spot test / Colorimetric Method using UV-Vis..

Test Item(s).	Limit.	Unit.	MDL.	002.
Cadmium (Cd).	100	mg/kg.	2	ND
Lead (Pb).	1,000	mg/kg.	2	ND
Mercury (Hg).	1,000	mg/kg.	2	ND
Hexavalent Chromium (CrVI).	-	-	◇	Negative

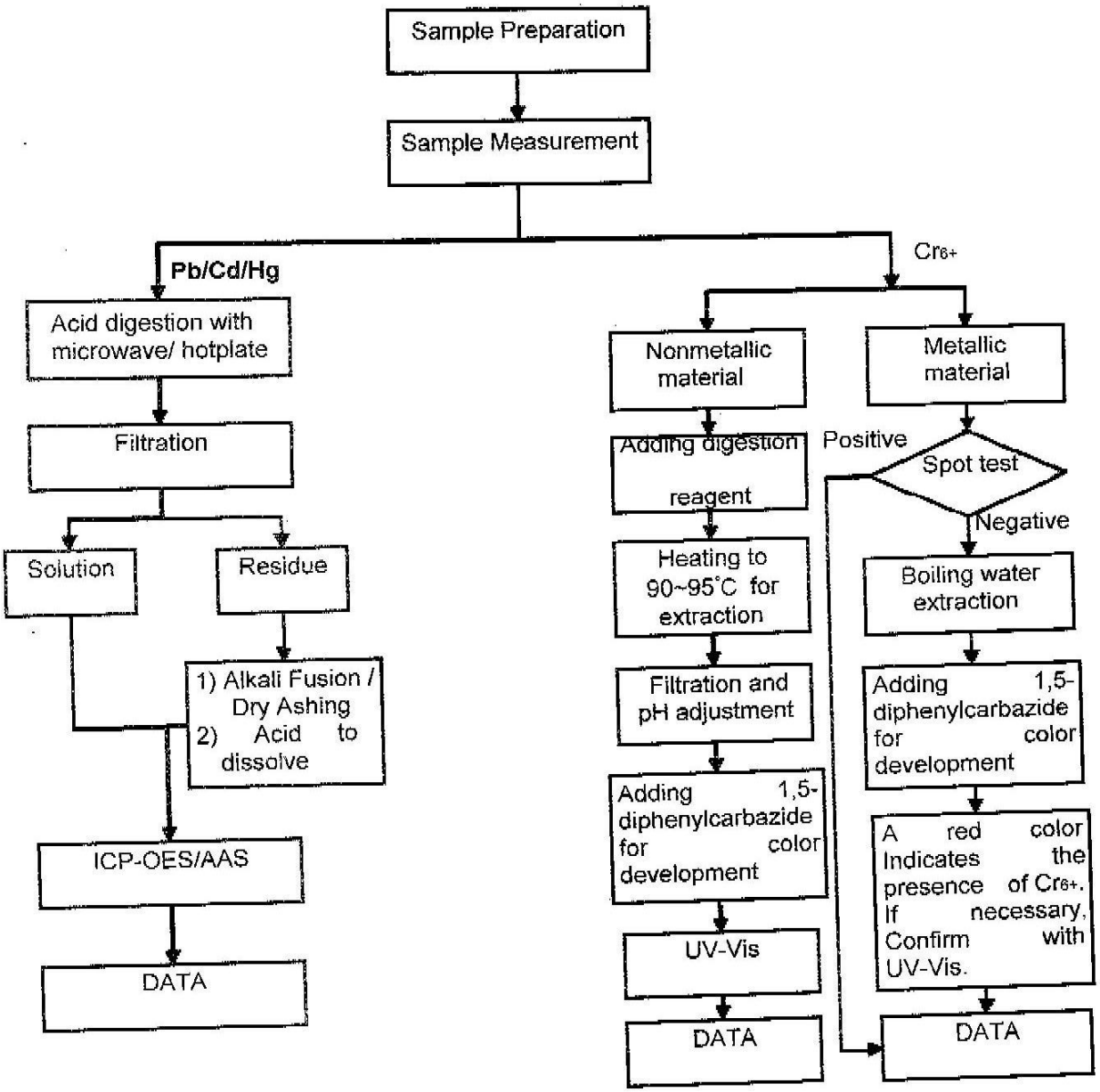
Notes :.

(1) The maximum permissible limit is quoted from the directive 2011/65/EU, Annex II
(2)◇ = a. Negative means the absence of CrVI on the tested areas;
b. Positive means the presence of CrVI on the tested areas.
For corrosion protection coatings on metals: Information on storage conditions and production date of the tested sample is unavailable and thus results of Cr(VI) represent status of the sample at the time of testing..

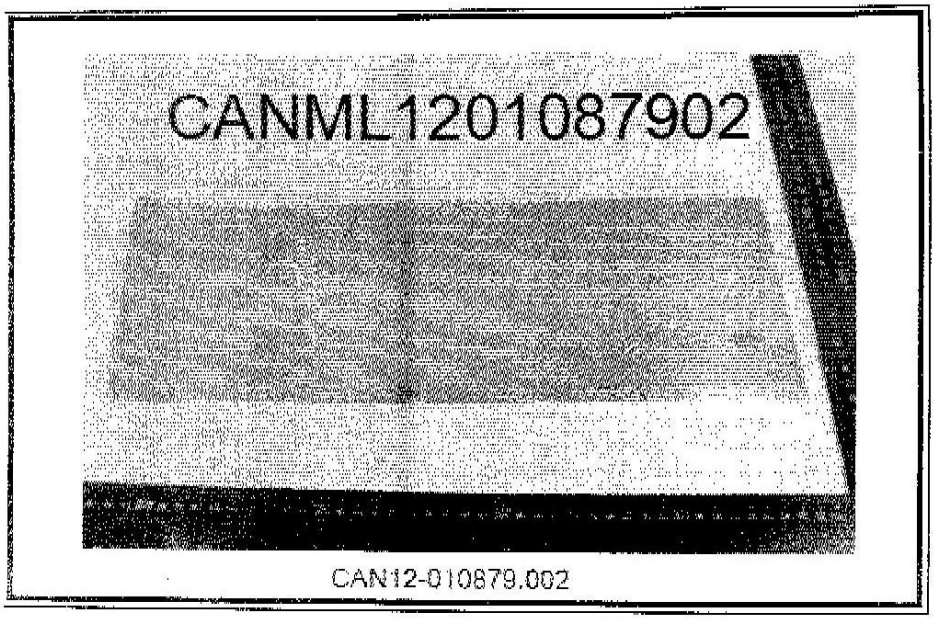
ATTACHMENTS

RoHS Testing Flow Chart

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



Sample photo:.



CAN12-010879.002

SGS authenticate the photo on original report only.

*** End of Report ***.

Test Report

Report No. RLNBF000132750003

Applicant YUEQING JINSHI DIANDU CO.,LTD

Address AS SOUTH TARIM ROAD42,NORTH WHITE ELEPHANT YUEQING CITY,ZHEJIANG PROVINCE,CHINA

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

Sample Name	electroplate Sn
Material	brass
Sample Received Date	Apr. 1, 2013
Testing Period	Apr. 1, 2013 to Apr. 7, 2013

Test Requested As specified by client, to test Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)) in the plating of submitted sample(s).

Test Method

Test Item(s)	Test Method	Measured Equipment(s)
Lead(Pb)	Refer to IEC 62321:2008 Ed.1 *	ICP-OES
Cadmium(Cd)	Refer to IEC 62321:2008 Ed.1 *	ICP-OES
Mercury(Hg)	Refer to IEC 62321:2008 Ed.1 *	ICP-OES
Hexavalent Chromium(Cr(VI))	IEC 62321:2008 Ed.1 Annex B	UV-Vis

*=Appropriate acid is used for deplating, and the solution is analyzed by ICP-OES.

Test Result(s) Please refer to the following page(s).

Tested by Sha Chen

Reviewed by Lin Zhang

Approved by Wei Miao

Date Apr. 7, 2013

Wei Miao

Approved Signatory

No. 1382099960

Test Report

Report No. RLNBF000132750003

Test Result(s)

Tested Item(s)	Result	MDL
Lead(Pb)	222 mg/kg	2 mg/kg
Cadmium(Cd)	N.D.	2 mg/kg
Mercury(Hg)	N.D.	2 mg/kg
Hexavalent Chromium(Cr(VI))	Negative	/

Tested Sample/Part Description Silvery plating

Note: **The washed plating had been dissolved totally tested for Lead, Cadmium, Mercury.**

-MDL = Method Detection Limit

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

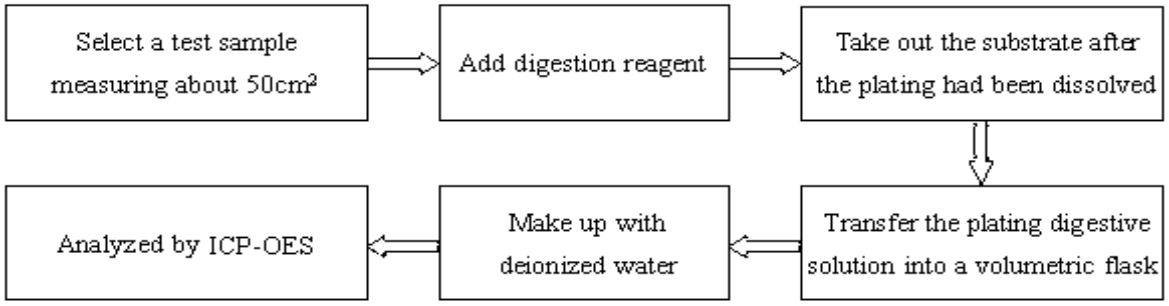
-mg/kg = ppm = parts per million

-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.

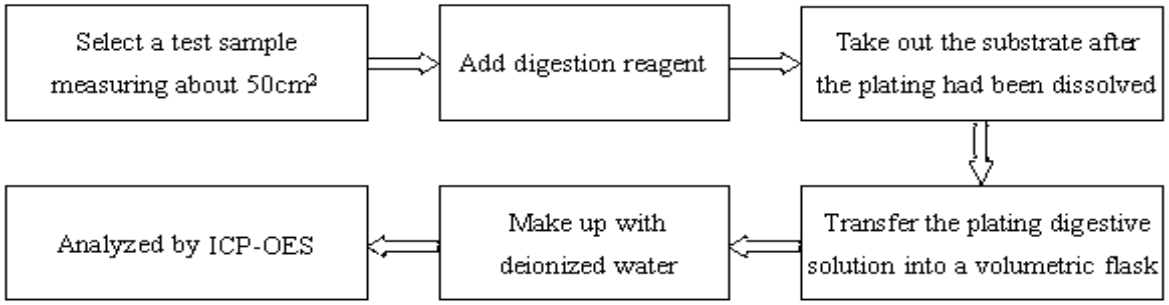
Test Report

Test Process

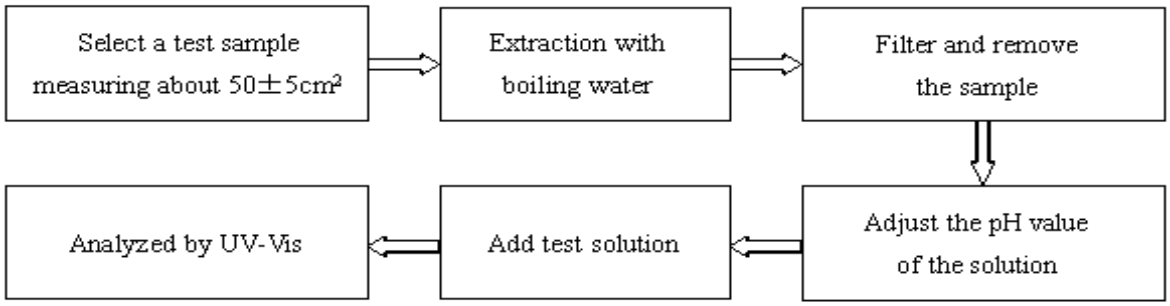
1. Lead(Pb), Cadmium(Cd)



2. Mercury(Hg)



3. Hexavalent Chromium(Cr(VI))



Test Report

Photo(s) of the sample(s)

*** End of report ***

Test Report

Report No. RLNBF000132750001

Applicant YUEQING JINSHI DIANDU CO.,LTD

Address AS SOUTH TARIM ROAD42,NORTH WHITE ELEPHANT YUEQING CITY,ZHEJIANG PROVINCE,CHINA

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

Sample Name electroplate Zn

Material iron

Sample Received Date Apr. 1, 2013

Testing Period Apr. 1, 2013 to Apr. 7, 2013

Test Requested As specified by client, to test Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)) in the plating of submitted sample(s).

Test Method

Test Item(s)	Test Method	Measured Equipment(s)
Lead(Pb)	Refer to IEC 62321:2008 Ed.1 *	ICP-OES
Cadmium(Cd)	Refer to IEC 62321:2008 Ed.1 *	ICP-OES
Mercury(Hg)	Refer to IEC 62321:2008 Ed.1 *	ICP-OES
Hexavalent Chromium(Cr(VI))	IEC 62321:2008 Ed.1 Annex B	UV-Vis

*=Appropriate acid is used for deplating, and the solution is analyzed by ICP-OES.

Test Result(s) Please refer to the following page(s).

Tested by Sha Chen

Reviewed by Lin Zhang

Approved by Wei Miao

Date Apr. 7, 2013

Wei Miao

Approved Signatory

No. 1382099960

Test Report

Report No. RLNBF000132750001

Test Result(s)

Tested Item(s)	Result	MDL
Lead(Pb)	N.D.	2 mg/kg
Cadmium(Cd)	N.D.	2 mg/kg
Mercury(Hg)	N.D.	2 mg/kg
Hexavalent Chromium(Cr(VI))	Negative	/

Tested Sample/Part Description Light blue plating

Note: **The washed plating had been dissolved totally tested for Lead, Cadmium, Mercury.**

-MDL = Method Detection Limit

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

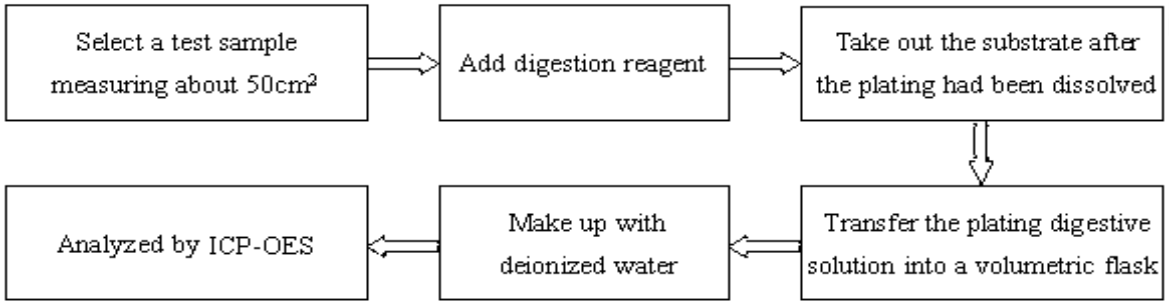
-mg/kg = ppm = parts per million

-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.

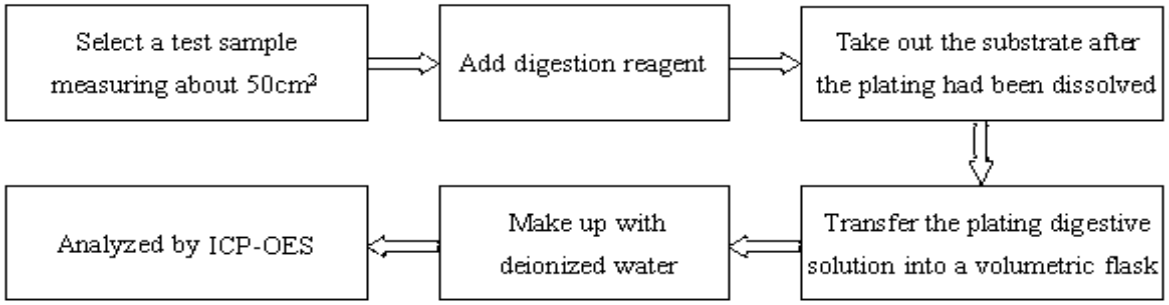
Test Report

Test Process

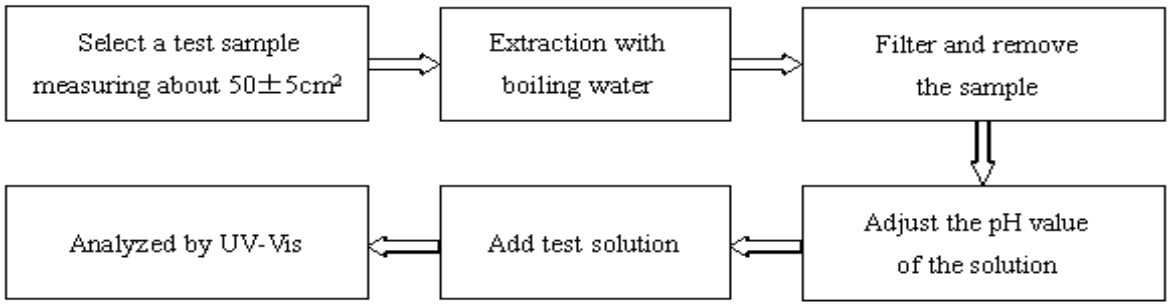
1. Lead(Pb), Cadmium(Cd)



2. Mercury(Hg)

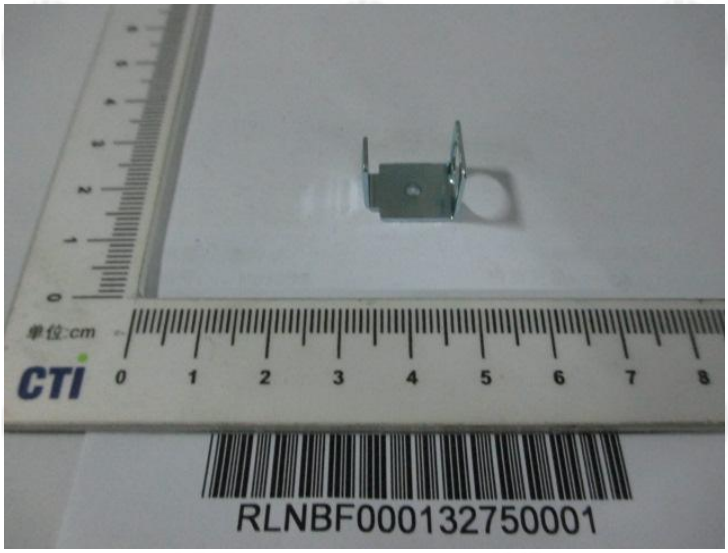


3. Hexavalent Chromium(Cr(VI))



Test Report

Photo(s) of the sample(s)



*** End of report ***

CTI 华测检测
CENTRE TESTING INTERNATIONAL

检测报告

报告编号 RLSDF000207040003C　　第 1 页 共 9 页

申请单位　佛山市美嘉油墨涂料有限公司
地　　址　广东省佛山市高明区更合镇更合大道

以下测试之样品及样品信息由申请者提供并确认

样品名称　其他颜色油墨
样品型号　请参见附页
样品接收日期　2013.02.27
样品检测日期　2013.02.27－2013.03.02

检测要求　根据客户要求，对所提交样品中的铅(Pb)，镉(Cd)，汞(Hg)，六价铬(Cr(VI))，多溴联苯(PBBs)，多溴二苯醚(PBDEs)进行测试。

检测依据　请参见下页。

检测结果　请参见下页。

结论

测试样品	依据指令	结果
提交样品	2011/65/EU*	合格

*=2011 年 7 月 1 日，欧盟在其官方公报上正式发布了 RoHS（2002/95/EC）的重订指令 2011/65/EU。该指令已于欧盟官方公报公布的 20 天后生效。

主　检：冯思叶　　审　核：王文章
批　准：万庆红　　日　期：2013.03.02
技术经理

SD03 报告专用章

No. 11441330

检测报告

检测依据

测试项目	测试方法	测试仪器	方法检测限
铅(Pb)	IEC 62321:2008 Ed.1 Sec.10	ICP-OES	2 mg/kg
镉(Cd)	IEC 62321:2008 Ed.1 Sec.10	ICP-OES	2 mg/kg
汞(Hg)	IEC 62321:2008 Ed.1 Sec.7	ICP-OES	2 mg/kg
六价铬(Cr(VI))	IEC 62321:2008 Ed.1Annex C	UV-Vis	2 mg/kg
多溴联苯(PBBs)	IEC 62321:2008 Ed.1Annex A	GC-MS	5 mg/kg
多溴二苯醚(PBDEs)	IEC 62321:2008 Ed.1 Annex A	GC-MS	5 mg/kg

检测结果

测试项目	**结果**	**指令限值**
铅(Pb)	N.D.	1000 mg/kg
镉(Cd)	N.D.	100 mg/kg
汞(Hg)	N.D.	1000 mg/kg
六价铬(Cr(VI))	N.D.	1000 mg/kg
多溴联苯(PBBs)		
一溴联苯	N.D.	1000 mg/kg
二溴联苯	N.D.	
三溴联苯	N.D.	
四溴联苯	N.D.	
五溴联苯	N.D.	
六溴联苯	N.D.	
七溴联苯	N.D.	
八溴联苯	N.D.	
九溴联苯	N.D.	
十溴联苯	N.D.	

检测报告

检测结果

测试项目	结果	指令限值
多溴二苯醚(PBDEs)		
一溴二苯醚	N.D.	1000 mg/kg
二溴二苯醚	N.D.	
三溴二苯醚	N.D.	
四溴二苯醚	N.D.	
五溴二苯醚	N.D.	
六溴二苯醚	N.D.	
七溴二苯醚	N.D.	
八溴二苯醚	N.D.	
九溴二苯醚	N.D.	
十溴二苯醚	N.D.	

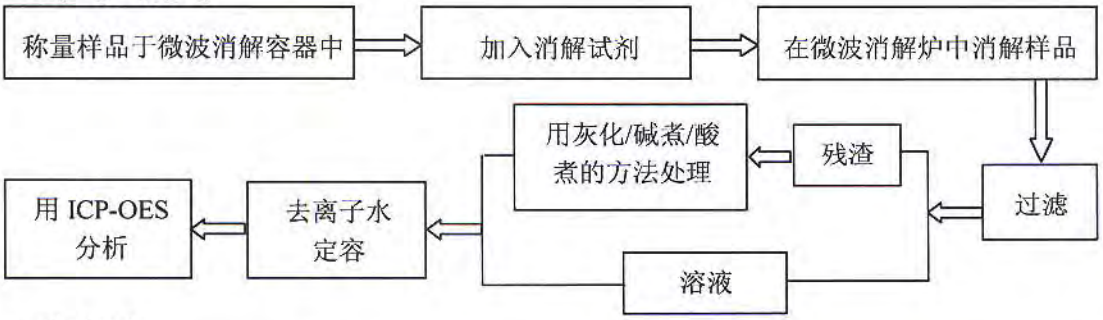
测试样品/部位描述　　深蓝色液体

注释：1. 对于检测铅，汞，镉之样品已完全溶解。
2. 此测试结果是基于样品干重计算而得。
-N.D. = 未检出 (小于方法检测限)
-mg/kg=ppm =百万分之几.
备注：报告编号末尾中“C”表示此报告为中文版本.

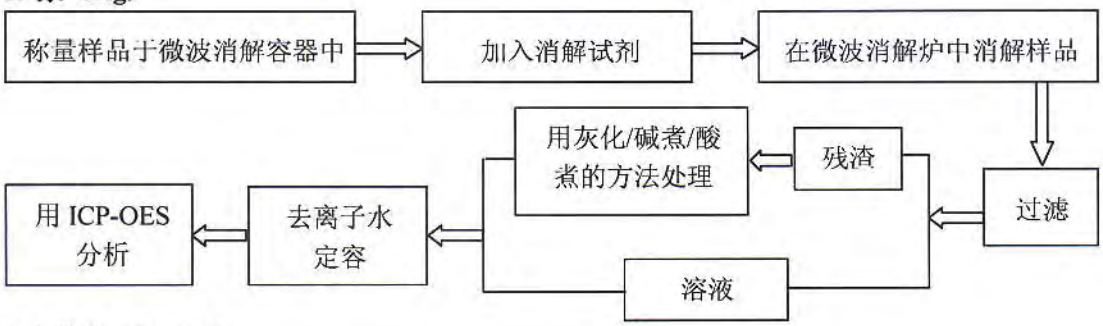
检测报告

检测流程

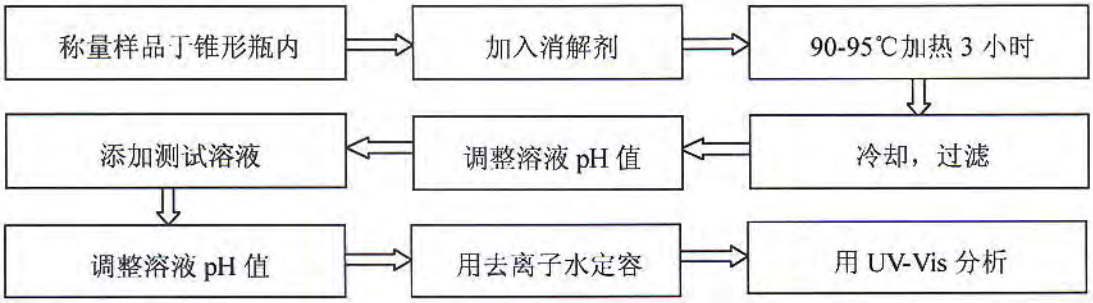
1 铅(Pb)，镉(Cd)



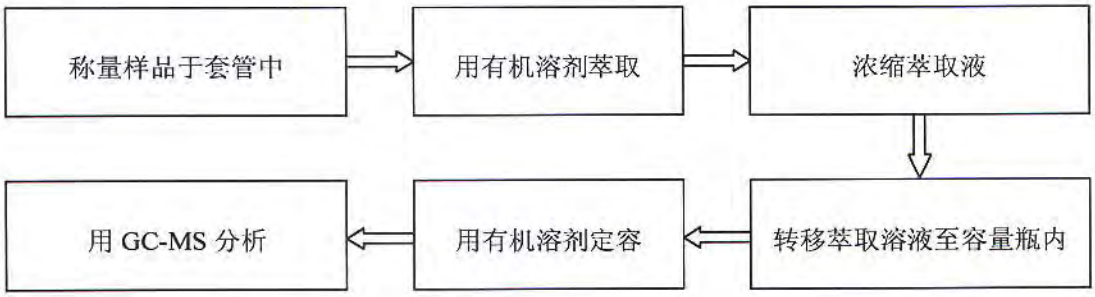
2. 汞（Hg）



3 六价铬（Cr(VI)）

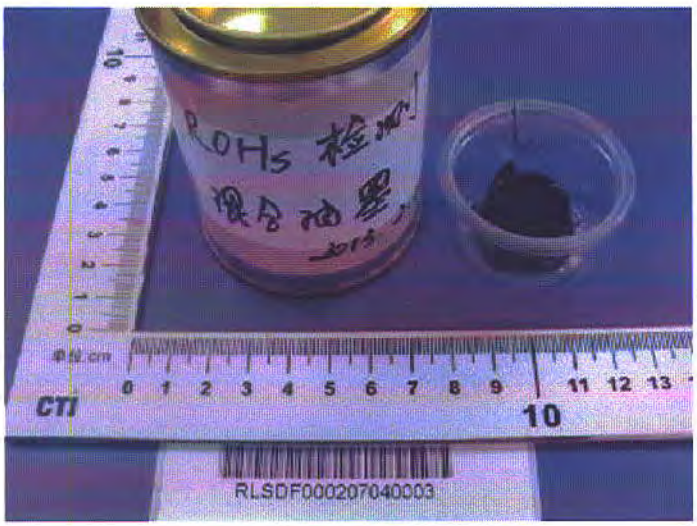


4. 多溴联苯（PBBs），多溴二苯醚（PBDEs）



检测报告

样品照片



检测报告

附页：ROHS：其他颜色：

10 系列：W100; W100-3; R100; M100; Q100; V100; E100; B100; G100; K100; K100-3; 186; T2257; T2255; T2256; T2306; T 6742; T 7148; T 7147; T 7149; T 7317;K100-B; S906;
T2141; T5102; T8091;

11 系列：W100; W100-3; R100; M100; Q100; V100; E100; B100; G100; K100; K100-3;
195;T2369;K100-B;T6863

12 系列：W100; W100-3; R100; M100; Q100; V100; E100; B100; G100; K100; K100-3;
195; *12-W100; T4506;T4507; T5110; T5726; T5727; T5728; T5729; T5730; T5731;T5732;
T5814; T6604;T7134;T7135;T7309;T9655; T10541;T10542;T10543;T10544;T10992;

14 系列：W100; W100-3; R100; M100; Q100; V100; E100; B100; G100; K100; K100-3; 195;

20 系列：W100-3;K100-3;R100-3;M100-3;Q100-3;B100-3;V100-3;G100-3;195; TS206;TS302; TS403; W300-A;195;K100-3;

21 系列：W100; W100-3; R100; M100; Q100; V100; E100; B100; G100; K100; K100-3; 195;

22 系列：W100; W100-3; R100; M100; Q100; V100; E100; B100; G100; K100; K100-3; 195;C191

25 系列：W100; W100-3; R100; R100/5; M100; Q100; V100; E100; B100; G100;
K100; K100-3; 195; 195-A/5; 895-A/胶罐;K100-A/5;T 5682; K500; T9135/5;T9137/5;T9503/5; T9537B;W100-A/5; *25-195/胶罐;T10558;T10558/5;T9135/5;T9137/5;T9503/5;T9537B

26 系列：W100; W100-3; R100; M100; Q100; V100; E100; B100; G100; K100; K100-3;
K100-3/5;195; 195/5;M900;W100-3/5;T9135; T9136; T9137;

27 系列：W100; W100-3; R100; M100; Q100; V100; E100; B100; G100; K100; K100-3; 195;

28*（28）系列:W100; W100-B;W100-3; R100; R100-B;M100; Q100; V100; E100; B100; B100-B; G100; G100-B; K100; K100-3; K100-3-B;195;W100-B-3; K100-B-3; T9771; 195-B; 195-B/5; K100-3-B; W100-3-B;G0590; V100-B;C191/0.1;K100-B;UV000;UV000/5;W100/5;T2831;T9221;

29 系列：W100; W100-3; R100; M100; Q100; V100; E100; B100; G100; K100; K100-3; 195; T2168

31（PCT）(-B)系列:W100; W100-3; R100; M100; Q100; B100; B500;G100; G100-B; V100; V100-B; K100; K500; K555; 195; 777; 895;T8877;T8878; T8879; T8880; T8886; T8390; T8391; T8395; T2369; T9486;T9835;T8797;T8798; T2168（德怡）;T2141（德怡）;M902;
M903;S906; TH206;TH302;TH403;

32 系列：W100; W100-3; R100; M100; Q100; V100; E100; B100; G100; K100; K100-3; 195;

38 系列：W100; W100-3; R100; M100; Q100; V100; E100; B100; G100; K100; K100-3; 195;

43 系列：W100; W100-3; R100; M100; Q100; V100; E100; B100; G100; K100; K100-3; 195;
T2791;T2985; T5885;T6124;T7380;B200;C191;K200;M200;Y200;

46 系列：W100; W100-3; R100; M100; Q100; V100; E100; B100; G100; K100;
K100-3; 195;T10539;T7943;T7944;

47 系列：W100; W100-3; R100; M100; Q100; V100; E100; B100; G100; K100; K100-3; 195;

48 系列：W100; W100-3; R100; M100; Q100; V100; E100; B100; G100; K100; K100-3; 195;C191;

49 系列：W100; W100-3; R100; M100; Q100; V100; E100; B100; G100; K100; K100-3; 195;195/5;C191;T8872;T9220;895;C191/0.25;P2134-1;P2174;P2291;P2292;P2331;P2332;
P2363;P2371;P2372;P2373;P2374;P237;
P2376; P2381; P2382; P2383;P2377;P2400;P2401;P2402;P2404;P2413; P2341; T9086;T9087; T9088;

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T9089;T10537;T9418;T9418/5
51 系列：W100; W100-3; R100; M100; Q100; V100; E100; B100; G100; K100; K100-3; 195;
54 系列：W100; W100-3; R100; M100; Q100; V100; E100; B100; G100; K100; K100-3; 195;C191;
56 系列：W100; W100-3; R100; M100; Q100; V100; E100; B100; G100; K100; K100-3; 195; T4573;T10087;
57 系列：W100; W100-3; R100; M100; Q100; V100; E100; B100; G100; K100; K100-3; 195;
59 系列：W100; W100-3; R100; M100; Q100; V100; E100; B100; G100; K100; K100-3; 195;
66 系列：W100; W100-3; R100; M100; Q100; V100; E100; B100; G100; K100; K100-3; 195;
8116 系列：P35; P42; P50; P52; P53; P57; P59; P63; P75; P83; P83-3; P195; P198;T3189;
7118 系列：P35; P42; P50; P52; P53; P57; P59; P63; P75; P83; P83-3; P195; P198;
80 系列：1035; 1042; 1046; 1048; 1050; 1052; 1053; 1057; 1059; 1063; 1075; 1083; 1083-3; 1075-3; 1095; 1098;
70 系列：1035; 1042; 1046; 1048; 1050; 1052; 1053; 1057; 1059; 1063; 1075; 1083; 1083-3; 1075-3; 1095; 1098;
SS10 系列：1035; 1042; 1046; 1048; 1050; 1052; 1053; 1057; 1059; 1063; 1075; 1083; 1083-3; 1075-3; 1095; 1098;
SS20 系列：1035; 1042; 1046; 1048; 1050; 1052; 1053; 1057; 1059; 1063; 1075; 1083; 1083-3; 1075-3; 1095; 1098;TS206;TS302;TS403;W300-A;195;K100-3;
SS70 系列：141;112;057;003;791;385;037;391;083;113;911;611;810;
SS80 系列：141;112;057;003;791;385;037;391;083;113;911;611;810;
EG 系列：1035; 1042; 1046; 1048; 1050; 1052; 1053; 1057; 1059; 1063; 1075; 1083; 1083-3; 1075-3; 1095;
EM 系列：1035; 1042; 1046; 1048; 1050; 1052; 1053; 1057; 1059; 1063; 1075; 1083; 1083-3; 1075-3; 1095;
EA 系列：1035; 1042; 1046; 1048; 1050; 1052; 1053; 1057; 1059; 1063; 1075; 1083; 1083-3; 1075-3; 1095;
EB 系列：1035; 1042; 1046; 1048; 1050; 1052; 1053; 1057; 1059; 1063; 1075; 1083; 1083-3; 1075-3; 1095;
NY 系列：1035;1042;1046;1048;1050;1052;1053;1057;1059;1063;1075;1083;1083-3; 1083-3/20; 1075-3; 1095;1091;1035-6;1048-6;1053-6;1075-6;1083-6; 1083-6/20;8004; 8006;
NYG 系列：1035; 1042; 1046; 1048; 1050; 1052; 1053; 1057; 1059; 1063; 1075; 1083; 1083-3; 1075-3; 1095;
PS 系列：1035; 1042; 1046; 1048; 1050; 1052; 1053; 1057; 1059; 1063; 1075; 1083; 1083-3; 1075-3; 1095;
PSG 系列：1035; 1042; 1046; 1048; 1050; 1052; 1053; 1057; 1059; 1063; 1075; 1083; 1083-3; 1075-3; 1095;
PE 系列：1035; 1042; 1046; 1048; 1050; 1052; 1053; 1057; 1059; 1063; 1075; 1083; 1083-3; 1075-3; 1095;
PEG 系列：1035; 1042; 1046; 1048; 1050; 1052; 1053; 1057; 1059; 1063; 1075; 1083; 1083-3; 1075-3; 1095;1091

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PP 系列：1035; 1042; 1046; 1048; 1050; 1052; 1053; 1057; 1059; 1063; 1075; 1083; 1083-3; 1075-3; 1095;

PPG 系列：1035; 1042; 1046; 1048; 1050; 1052; 1053; 1057; 1059; 1063; 1075; 1083; 1083-3; 1075-3; 1095;

PPE 系列：1035; 1042; 1046; 1048; 1050; 1052; 1053; 1057; 1059; 1063; 1075; 1083; 1083-3; 1075-3; 1095;

PET*系列：1035; 1042; 1046; 1048; 1050; 1052; 1053; 1057; 1059; 1063; 1075; 1083; 1083-3; 1075-3; 1095;

PCT(-B)系列：1035; 1042; 1046; 1048; 1050; 1052; 1053; 1057; 1059; 1063; 1075; 1083; 1083-3; 1075-3;1095; 295;

MT 系列：1035; 1042; 1046; 1048; 1050; 1052; 1053; 1057; 1059; 1063; 1075; 1083; 1083-3; 1075-3; 1095;1091

MTS 系列：1035; 1042; 1046; 1048; 1050; 1052; 1053; 1057; 1059; 1063; 1075; 1083; 1083-3; 1075-3; 1095;

GS 系列：1035; 1042; 1046; 1048; 1050; 1052; 1053; 1057; 1059; 1063; 1075; 1083; 1083-3; 1075-3; 1095; GS-000;

GV 系列：1035; 1042; 1046; 1048; 1050; 1052; 1053; 1057; 1059; 1063; 1075; 1083; 1083-3; 1075-3; 1095;1091

ACT 贴花系列：1035; 1042; 1046; 1048; 1050; 1052; 1053; 1057; 1059; 1063; 1075; 1083; 1083-3; 1075-3; 1095; ACT-700; ACT-777;008;R530;G320;B460; Q580

AET 系列：W100;F880;

VK3 系列：P75-1;P83-1;195

VK7 贴花系列：1035; 1042; 1046; 1048; 1050; 1052; 1053; 1057; 1059; 1063; 1075; 1083; 1083-3; 1075-3; 1095; G320(南粤)； P26-8(南粤);P35-8(南粤);P42-8(南粤);P46-8(南粤);P48-8(南粤); P50-8(南粤);P53-8(南粤);P59-8(南粤);P63-8(南粤);P75-8(南粤);P83-8(南粤); R538(南粤);

SG 贴花：W100-3;K100;R100;M100;V100;B100;G100;E100;S125;B460;G320;P208;Q580;R530; UV 油墨：R800; Q800; V800; B800; G800; K800; W800; UV-TC;

SSPPNK 系列：611; 003; 057; 112; 113; 037; 391; 385; 791; 083; 911; 611S; SSPPNK-00; PY2033; T5250;

SS16 系列：611; 003; 057; 112; 113; 037; 391; 385; 791; 083; 911; SS16-000;

911 系列：B100; W100; K100; V100; E100; G100; R100; Q100; M100; W100(恒晖); K100(恒晖); 快干 2000#(恒晖); V100(恒晖); -B100(恒晖); R100(恒晖); E100(恒晖); G100(恒晖);

60 触摸屏油墨系列：W100 W100-3, R100, M100, Q100, V100, E100, B100, G100,K100,K100-3,195

TH 系列：W100, W100-3, R100, M100, Q100, V100, E100, B100, G100,K100,K100-3,195

52 系列：P83, P88, P35, P42, P33, P75, M903, M905, TR01, TR02, TR03, P46, P53, P50, P57, P48, P63, M901

53 系列：P83, P88, P35, P42, P33, P75, M903, M905, TR01, TR02, TR03, P46, P53, P50, P57, P48, P63, M901

其他：T4573;99-956B; 395; 300Y; 300B; 300R; 300K; 300P; 300M; M901; M902; M903; M905; M906; T710;T720; T730; T740; T750; T760; T770; T780; F840; F850; F860; F870; F880;

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SS777; TUVC; A4163; G0600;S906-S;T7319;P2425;T7812;T7813;T9939;
助剂及溶剂： STUR-100B;STUR-100B/0.1;PPS-01;PPS-01/0.5;S907;S909;2000#;2000#/3;2200#;
2200#/32600#;3000#;3000#/15;3000（万家乐）;5000#/3;840#;721#; 7000#; 7200#; 7600#
5000#;5500#;8000#;888#;777#;783#;GP1006;GP-1006/1;GP1007;GP1008;783#;S407#; S408#;719#;
718#; 718#/15; S408#;S482#;842#;3000#;861#;861#/3;862#;UR-100B; GRU-200B; 844#/3; ;862#/3;844#

*** 报告结束 ***