



Test Report

No.: GZ0708110627/CHEM

Date: AUG 10, 2007

Page 1 of 4

TIANSHUI HUATIAN TECHNOLOGY CO., LTD.
NO.14 SHUANG QIAO ROAD, TIANSHUI CITY, GANSU PROVINCE

The following sample(s) was/were submitted and identified on behalf of the applicant as PDIP
Client Reference : PDIP8L/HDIP12L/PDIP14L/PDIP16L/PDIP18L/PDIP18IH/PDIP20L/PDI20IH/PDIP24L/
PDIP28L/PDIP32L/PDIP40L/PDIP42L


SGS Ref No. : GZ10501591EC-18.1
Sample Receiving Date : AUG 06, 2007
Testing Period : AUG 06, 2007 TO AUG 10, 2007

Test Requested : To determine the Cadmium, Lead, Mercury, Hexavalent Chromium, PBBs (Polybrominated Biphenyls) & PBDEs (Polybrominated Diphenylethers) content in the submitted sample.

Test Method : With reference to IEC 62321 Ed.1 111/54/CDV
Procedures for the Determination of Levels of Regulated Substances in Electrotechnical Products
(1) Determination of Cadmium by ICP.
(2) Determination of Lead by ICP.
(3) Determination of Mercury by ICP.
(4) Determination of Hexavalent Chromium by Colorimetric Method.
(5) Determination of PBBs and PBDEs by GC-MS.

Test Results : Please refer to next page.

Signed for and on behalf of
SGS-CSTC Ltd.


Jiang YongPing, Terry
Sr. Engineer

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SGS-CSTC Standards Technical Services Co., Ltd. 198 KEZHU Road, SCIENTECH Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20)82155555 f (86-20)82075113 www.cn.sgs.com
Guangzhou International Laboratory 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

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Test results by chemical method (Unit: mg/kg)

Test Item(s):	Method (refer to)	No.1	No.2	MDL
Cadmium(Cd)	(1)	N.D.	N.D.	2
Lead (Pb)	(2)	7	13	2
Mercury (Hg)	(3)	N.D.	N.D.	2
Hexavalent Chromium (CrVI) by alkaline extraction	(4)	N.D.	---	2
Hexavalent Chromium (CrVI) by boiling water extraction	(4)	---	Negative	See Note 4
Sum of PBBs		N.D.	---	-
Monobromobiphenyl		N.D.	---	5
Dibromobiphenyl		N.D.	---	5
Tribromobiphenyl		N.D.	---	5
Tetrabromobiphenyl		N.D.	---	5
Pentabromobiphenyl		N.D.	---	5
Hexabromobiphenyl		N.D.	---	5
Heptabromobiphenyl		N.D.	---	5
Octabromobiphenyl		N.D.	---	5
Nonabromobiphenyl		N.D.	---	5
Decabromobiphenyl		N.D.	---	5
Sum of PBDEs	(5)	N.D.	---	-
Monobromodiphenyl ether		N.D.	---	5
Dibromodiphenyl ether		N.D.	---	5
Tribromodiphenyl ether		N.D.	---	5
Tetrabromodiphenyl ether		N.D.	---	5
Pentabromodiphenyl ether		N.D.	---	5
Hexabromodiphenyl ether		N.D.	---	5
Heptabromodiphenyl ether		N.D.	---	5
Octabromodiphenyl ether		N.D.	---	5
Nonabromodiphenyl ether		N.D.	---	5
Decabromodiphenyl ether		N.D.	---	5

Test Part Description:

No.1 Black body (mixed)

No.2 Silvery plated metal

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SGS-CSTC Standard Technical Services Co., Ltd.
Guangzhou Analytical Laboratory

198 KEZHU Road, SCIENTECH Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663

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

t (86-20)82155555 f (86-20)82075113

www.cn.sgs.com

e sgs.china@sgs.com

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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 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.

5. "-" = Not regulated

6. "---" = Not Conducted

Remark : As requested by client, the test of No.1 was conducted as whole / part sample, for the sample can't be disjointed.

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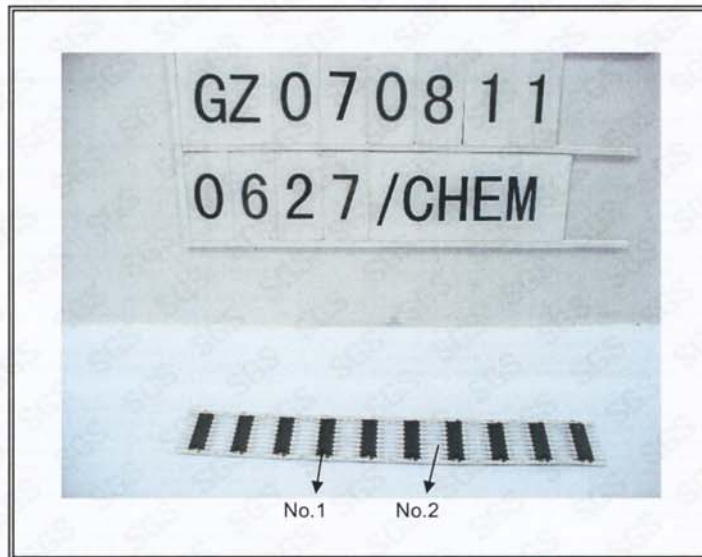
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t (86-20)82155555 f (86-20)82075113 www.cn.sgs.com
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Sample photo :



SGS authenticate the photo on original report only

*** End of Report ***

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Guangzhou Online Chemical Laboratory

198 KEZHU Road, SCIENTECH Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663
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 www.cn.sgs.com
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测试报告

编号: GZ0708110628/CHEM

日期: 2007年8月10日 页码 1 of 4

天水华天科技股份有限公司
甘肃省天水市双桥路 14 号

以下测试之样品是由申请者所提供及确认: PDIP

客户参考信息: PDIP8L/HDIP12L/PDIP14L/PDIP16L/PDIP18L/PDIP18IH/PDIP20L/PDI20IH/PDIP24L/
PDIP28L/PDIP32L/PDIP40L/PDIP42L

SGS 参考编号 : GZ10501591EC-18.2
收板日期 : 2007年8月6日
测试日期 : 2007年8月6日至2007年8月10日

测试要求 : 委托测试样品中的镉, 铅, 汞, 六价铬, 多溴联苯和多溴联苯醚的含量。

测试方法 : 参照 IEC 62321 Ed.1 111/54/CDV 电子电器产品中限用物质含量的测定程序
(1) 用 ICP 测定镉的含量
(2) 用 ICP 测定铅的含量
(3) 用 ICP 测定汞的含量
(4) 用比色法测定六价铬的含量
(5) 用 GC-MS 测定 PBBs(多溴联苯)和 PBDEs(多溴联苯醚)的含量

测试结果 : 请参见下一页

Signed for and on behalf of
SGS-CSTC Ltd.


Jiang YongPing, Terry
Sr. Engineer

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Guangzhou Economic and Technical Laboratory

198 KEZHU Road, SCIENTECH Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663
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 www.cn.sgs.com
t (86-20)82155555 f (86-20)82075113 e sgs.china@sgs.com

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测试结果 (单位: 毫克/千克):

测试项目	参考方法	No.1	No.2	MDL
镉 (Cd)	(1)	N.D.	N.D.	2
铅 (Pb)	(2)	7	13	2
汞 (Hg)	(3)	N.D.	N.D.	2
碱性溶液萃取测六价铬(Cr VI)	(4)	N.D.	---	2
沸水萃取法测六价铬(Cr VI)	(4)	---	Negative	参见注释 4
多溴联苯(PBBs)之和	(5)	N.D.	---	-
单溴联苯		N.D.	---	5
二溴联苯		N.D.	---	5
三溴联苯		N.D.	---	5
四溴联苯		N.D.	---	5
五溴联苯		N.D.	---	5
六溴联苯		N.D.	---	5
七溴联苯		N.D.	---	5
八溴联苯		N.D.	---	5
九溴联苯		N.D.	---	5
十溴联苯		N.D.	---	5
多溴联苯醚(PBDEs)之和		N.D.	---	-
单溴联苯醚		N.D.	---	5
二溴联苯醚		N.D.	---	5
三溴联苯醚		N.D.	---	5
四溴联苯醚		N.D.	---	5
五溴联苯醚	N.D.	---	5	
六溴联苯醚	N.D.	---	5	
七溴联苯醚	N.D.	---	5	
八溴联苯醚	N.D.	---	5	
九溴联苯醚	N.D.	---	5	
十溴联苯醚	N.D.	---	5	

测试部件描述:

No.1 黑色本体 (混合)

No.2 带有银色镀层的金属

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SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Chemical Laboratory

198 KEZHU Road, SCIENTECH Park Guangzhou Economic & Technology Development District, Guangzhou, China 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城科珠路198号 邮编:510663

t (86-20)82155555 f (86-20)82075113

e sgs.china@sgs.com

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测试报告

编号: GZ0708110628/CHEM

日期: 2007年8月10日 页码 3 of 4

注释: 1. 毫克/千克 = ppm

2. N.D.= 未检出 (< MDL)

3. MDL = 方法检测限

4. 点测试:

Negative = 未检测到六价铬, Positive = 检测到六价铬;

(如果点测试结果不能确认, 测试样品将进一步由沸水萃取法进行测试)。

沸水萃取法:

Negative = 未检测到六价铬

Positive = 检测到六价铬; 每 50cm² 表面积的被测试样品的沸水萃取液中六价铬的浓度等于或大于 0.02mg/kg。

5. "-" = 未规定

6. "---" = 未检测

7. 本测试报告内容是参照报告编号为 GZ0708110627/CHEM 的中文译本, 中英文版本如有歧异, 概以英文版为准。

备注: 由于样品 1 无法拆分, 因此测试是基于申请人要求整体 (部分) 混合进行测试。

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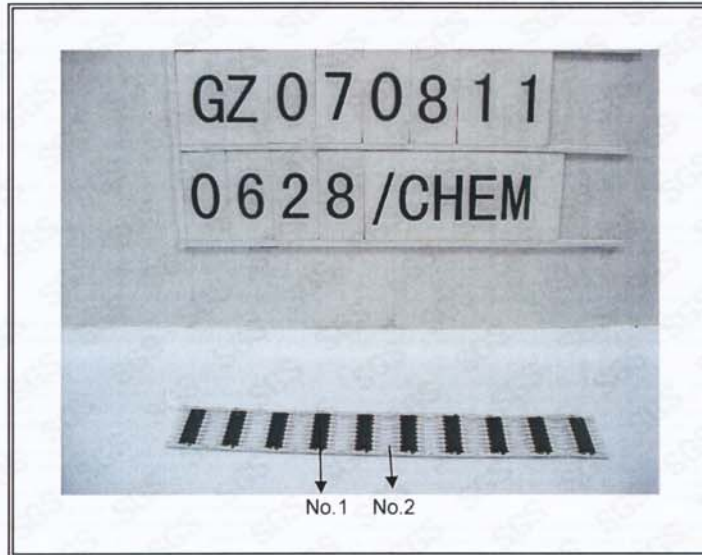
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样品照片:



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Guangzhou Chemical Laboratory

198 KEZHU Road, SCIENTECH Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663
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
t (86-20)82155555 f (86-20)82075113

GZCM 1540515
www.cn.sgs.com

e sgs.china@sgs.com

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