Date: 2006/03/06

#### 環境管理物質材料成份宣告書

#### Declaration of Environment-Related Substances Use/Nonuse

Vender : CHIA CHERNE INDUSTRY CO.,LTD.

Responsible Person : Y.P.Kuo

Company Address : No.55, Alley 121 ,Lane 175, Kousheng Rd., Changhua City, Taiwan

All components of RoHS or Green sold to buyer and the utilized raw materials, dyes, accessories, packaging materials and manufacturing process contain no hazardous substances which are prohibited by the DIRECTIVE 2002/95/EC OF THE EUROPEAN PARLIAMENT.

P/N : SEA-A (mfg:JACG9CC-2-081)

**Product Name: HEATSINK** 

Heatsink/FAN

NO.	Part Name	Material Vender	Material Composition	Report
1	Sink / JAH9CC	Cooljag	Copper C1020	CE_2005_86484
2	Screw / JAS102C-1	皇銘五金有限公司	Lead less free cutting brass	CE_2005_50713
3	Spring / JAS102C-2	有澤金屬有限公司	SUS 304	CE_2004_90213
4	Grease / JAP001A	Dow Corning	SC102	CE_2004_71778
5	Cover / JAW102	中國鋼鐵	Al alloy	THJ0013373
6	Screw / JAS003C JAS078C	中國鋼鐵	SAE1018	CE_2005_33614A
7	Back plate / JAT053	春源鋼鐵工業股份有限公司	冷軋鋼捲	CE_2005_11173
8	Back plate mylar / JAT053	敏豐隆	SR53	CE_2004_72868A
9	Fan / JAF404010H1G	Everflow		R124010BMAI8A501

**Packing** 

NO.	Part Name	Material Vender	Material Composition	Report
1	Blue Box / PBJA08	九禾		CE_2004_C1594
2	Fan label / PTJA02	春明印刷		CE_2004_82170
2	EPE protected packing JAX0015 JAX0016	光輪	EPE	CE_2005_76060A

# **Product Phto**



13.05.2002 Le/i Page 1

COPY

#### **CERTIFICATE OF ANALYSIA**

#### Customer:

GWO Chern Industrial Co., Ltd. No. 186-28 Hai Hu Hai Hu Vill Lu Chu Hsiang, Taoyuan TAIWAN R.O.C.

Net Weight

**Gross Weight** 

342 Billets =

108.284 mts

108,440 mts

Irrevocable Doc. Credit Number 2AEJR27004701059 dated 020419 of Bank of Taiwan 248, Chungshan North Road Taipei Taiwan Quantity: 108.284 mts

Quantity: 108,284 mts Trade Terms: CIF Keelung

The above mentioned Electrolytic Copper Continuois Cast Billets Brand "NA-Cast" 150mm x 2000mm Quality: BE58, are conform to Cu-PHC according to DIN EN 1976 and Copper OFXLP according to ASTM B 379, however with an electrical conductivity of 100 % IACS.

Chemical Composition

Copper content min. 99.95 % (incl. Ag).

**Electrical Conductivity** 

Electrical conductivity min. 100 % IACS.

**Dimensions and Tolerances** 

According to ASTM B 379 and NA's catalogue.

: . ; [



13.05.2002 Le/i Page 2

COPY

#### **CERTIFICATE OF ANALYSIA**

Freedom of Embrittlement

The freedom of embrittlement is tested according to ASTM B 577 (Closed Bend Test)

Typical Analysis (ppm):

Pb Bi As Sb Sn Zn Fe Ni Ag Se Te S P 4 <1 3 3 <1 <3 8 8 10 1 <1 8 appr. 30

The requirements are met.

The aforesaid data are given for purposes of technical quality description only and do not constitute guaranteed properties in legal terms.

Copper Products Division Marketing and Sales

i.A. S. Lehmann



CHIA CHERNE INDUSTRY CO., LTD. Report No. : CE/2005/86484

NO. 55, ALLEY 121, LANE 175, KOUSHENG RD., Date : 2005/09/05

CHANGHUA CITY, TAIWAN Page : 1 of 2

#### The following merchandise was (were) submitted and identified by the client as:

<u>Type of Product</u>: COPPER HEATSINK

Sample Received : 2005/08/29

<u>Testing Date</u> : 2005/08/29 TO 2005/09/05

\_\_\_\_\_\_

#### **Test Result**

PART NAME NO.1 : GOLDEN COLORED METAL (PLEASE REFER TO THE PHOTO

ATTACHED)

PART NAME NO.2 : GOLDEN COLORED CLADDING MATERIAL (PLEASE REFER

TO THE PHOTO ATTACHED)

// 4 T4 /-\	TT14	76-411	BATNI	Result		
Test Item (s):	Unit	Method	MDL	No.1	No.2	
Cadmium (Cd)	ppm	ICP-AES after reference to EN 1122, method B:2001 or other acid digestion.	2	N.D.		
Mercury (Hg)	ppm	ICP-AES after reference to US EPA 3052 or other acid digestion.	2	N.D.	emas	
Lead (Pb)	ppm	ICP-AES after reference to US EPA 3050B or other acid digestion.	2	N.D.	<b>무지하</b> 시	
Chromium VI (Cr+6)	ppm	UV-VIS after reference to US EPA 3060A.	2	SERIC	N.D.	

NOTE: (1) N.D. = Not detected (<MDL)

(2) ppm = mg/kg

(3) MDL = Method Detection Limit

(4) " - " = No Regulation

(5) " --- " = Not Applicable

Daniel Yeh, M.R. / Operation Manager Signed for and on behalf of

Signed for and on behalf of SGS TAIWAN LTD.



CHIA CHERNE INDUSTRY CO., LTD. NO. 55, ALLEY 121, LANE 175, KOUSHENG RD., CHANGHUA CITY, TAIWAN Report No. : CE/2005/86484

Date : 2005/09/05

Page : 2 of 2







皇站五金有限公司 \*248 台北縣五股鄉成泰路3股348巷6號 秘告號码: CE/2005/50713

日期 : 2005/05/12

頁數: :1 of 2

#### 以下测试樣品乃供應確商所提供及確認:

議品名称

LEAD LESS FREE CUTTING BRASS

连品划验

t TB3

**这件日期** 

2005/05/03.

到英旦法

2005/05/05 TO 2003/05/12

#### 测试结果

沟域杂位 50.1

何色金层体(络多照对件医片)

测处项目:	. 单位	例就方法	後到極限值	杨张
	4	Man de la company de la compan	Statement.	NO.1
六使终	P\$=	依照US EPA 3060A方法,用UV-VIS 微分析	2	N.C.
4	6 b.u	依照 EN1122 方达3·2001或其他政 消化方法、用总庭期合金级原下设 标光锌值(ICP-APS)从分析	2	N.D.
Ř.	ppn.	依照 US EPA 3052 方法支票伦兹 消化方法,用总题码合管流原子会 针光错像(ICP-ASS)假分析	2	N.D.
	. þęm	依服 US EPA 30508 方法或其他政 消化方法,尼岛庞斯合党领原于侵 打光错摄(ICO-AES)做分别	2	23.4

信证:(1) N.D. = Not dotected.(QDL) / 森絵虫(依希供测场段位)

(2) ppc = pg/kg / 百萬分之一

(3) MILE Kethod Detection Lizit(偵測極限位)

Dentel Ven, M.R. Poperation Menager Signed for and on behalf of SGS TAIWAN LTD.



The Angus is have by it. The pure mixed in the bound Comming of Control of Control. And don't creat to be in-leady, of their, independent of the control of

TW 1827316

# 有澤金屬股份有限公司

YEOU TZER METALS CO.,LID 品質報告書

nate of Page

October:6,2060

No.00044

COMPRACTOR OF ST ST ST	and Maria and Annie a					CUSTOMUSE : 敏豐隆企業有限公司
	STAINLESS STEEL	WIRE	TYPE	SUS	304	SUZE O.SINI Rvi man
NET MASS	KG		和祖名句	SUS	304	ORNER NO.

· ·				C	HEMICA	L COM	POSTTIC	N	代四	战分(9	6)	
ELECTRICAL SE	C X100	- Si X100	Mn X100	P X1000	S X1000	Ni X100	Cr X100	- Mo X100	X100	CU X100		
Specification 18 18	7	42	129	26	2 .	829	1823	19	4.4	42		
neat no.					Surgerous in						N water the same	

Inspection Items		INS	TS						
妆 茶 项 目	SIZE R N	HOSELETRANCIU H Q Q K	OUT OF ROLLHONDERS						
SPECIFICATION IN 15	Mm. 0.8± 0.015	N/mm2 1863 2108	Mm 0.015 MAX					•	
Steel Grade 钢 旗 名 椭	0.796 END	198	0.004						

YEOU TZER METALS CO.,LTD.





# SGS

# **Test Report**

· 秋告轮码 : CB/2004/90218

日期一

: 2004/09/08

页数

: 1 of 2

#### 以下测试操品方供应应方所提供及確認:

提品名籍

AISI.SUS 304

**业件日期** 

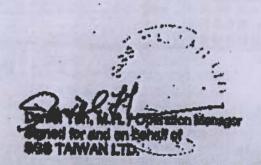
: 2004/09/02.

测兹自构

: 2004/09/02 TO 2004/09/0R

洲城林果 .

• 特见下一页 •



Thy field became a trace of the Company adject to be desired Continued of Sherica product eventual at the standard of being to be brighted of the Continued of

TVJ1078747

が存储数料放配含有限全面

NO: 10-05-200

10-05-2005 10.22 ... 0 007



机台號码 : CE/2004/80213

日期

: 2004/09/08

页象

: 2 of

#### 湖北北米

测式都位 NO.1

经也全易旅

游战项目。	早位	州纳市法	養用語		##	
多决功本(PBBa)	4		厚住	NO.1	Military Inches	
		多序USEPA3840是USEPA8850方 法,以象相易析像/電子相較值 测导/質谱像(GC/ECD/MS)或高效 晚相局析像/二極體洋列值测得/ 質譜像(HPLC/DAD/MS)检测(多考 2002/93/EC (RoMS), 83/264/EBC, 76/769/EBC法規)		N.D.		
多快班军戰(PRREs/PROEs)	*	The state of the s	0.0005	N.D.		

测线项目:	早在	网络方法	供明抽		A&					
六價鉢	-		保住	NO.1			7	7		
> 1/L 20-	ppm	依照US EPA 7198A及3060A才法	2	N.D.				-		
	Ppa	被照 \$\text{\$\text{\$N\$}\$\text{\$122}\$ 方法B:2001束其他 被消化方法,用基底耦合管集原 子管射光槽值(JGP-APS)性分析	2	N.D.				-		
来		依照 US DPA 8052 方法成共他 競消化方法,其患虚疾令者能尽 子母射光评值(ICP-AES)数分析	2	N.D.	11 3 2			-		
	ppre	依照 US EPA 3050日 方法或实地 政信化方法,用总是耦合电景区 子餐射光错误(ICP-ABS)数分析	3	58.2				-		

情性!(1) N.D. = No: detected.(ODL) / 未被出(性分值则结队位)

(2) ppm = mg/kg / 百其介之一

(3) MDL= Nethod Detection Limit(偵測経験位)

109 Appelled a sensed by the Common Abbut to be Gerood Conditions of Sanniae philod condition. Alteriae is sensed to the findulating of thickly, indemnstration and a property condition of the findulating of thickly, indemnstration appelled to the condition of the first property of the condition of the conditi

TW 1042770

#### **SC102**

#### **HEAT-TRANSFER COMPOUND**

SC102 heat-transfer compound is a grease like silicone material heavily filled with heat-conductive metal oxide.

SC102 heat-transfer compound is an improved product that can be used in touch with silicone JCR, where most of silicone heat-transfer compounds cause swelling of JCR. SC102 also shows excellent heat conductivity as well very little oil bleed. SC102 has rather high consistency and it is easy to handle and can be used in many appliances.

#### **Properties of SC102**

Properties	Unit	SC102		
Consistency, penetration un-worked		300 0.00 2.45 0.0019 123 4.6 4.4 0.034 0.024		
Oil bleed (120°C / 24hrs)	%	300 0.00 2.45 0.0019 123 4.6 4.4 0.034		
Specific Gravity		0.00 2.45 0.0019 123 4.6 4.4 0.034		
Thermal Conductivity				
Arc Resistance	sec.	123		
Dielectric Constant 60 Hz		4.6		
1000 Hz		4.4		
Dissipation Factor 60 HZ		0.034		
1000 HZ		0.024		
Volume Resistivity	ohm · cm	$4.8 \times 10^{14}$		
Dielectric Strength	kV / 2.5mm	22		

#### **Properties of SC102 in comparison with SH340**

SC102	SH340 <sup>a</sup> )
0.09/	3.0%
0.9%	3.0%
None	observed
None	observed
No shanga	No change
No change	No change
	SC102 0.9% None No change

- a) Conventional silicone heat-transfer compound
- b) Cured silicone JCR (SH6101) was immersed in heat-transfer compound at 120°C for 120hrs.

#### **Dow Corning Toray Silicone Co., Ltd.**

AIG Bldg. 1-3, Marunouchi 1-chome, chiyoda-ku Tokyo 100-0005, Japan

TEL: 03-3287 8300

**IMPORTANT NOTICE:** Dow Corning Toray Silicone neither represents nor tests this material for medical device applications or for pharmaceutical end-use.

#### **NOT FOR HUMAN INJECTION!**

This product is made to industrial grade standards. It is not intended for nor should it be used in medical device applications and pharmaceutical end-use.



SIL-MORE INDUSTRIAL LTD.

16F, NO. 100, HSIN TEH ROAD, SAN CHUNG CITY,

TAIPEI COUNTY TAIWAN, R. O. C.

Report No : CE/2004/71778A

Date : 2004/07/21

Page : 1 of 10

#### The following merchandise was(were) submitted and identified by the client as:

: BATCH:000/893164

Type of Product HEAT TRANSFER COMPOUND Style/Item No **DOW CORNING TORAY SC102** 

Information Need to be

Printed on Report

Sample Received **:** 2002/12/30 & 2004/07/14.

**Testing Date** 2002/12/30 TO 2003/01/09 & 2004/07/14 TO 2004/07/21

**Test Result** : - Please see the next page -

\* This report is combine with CY/2002/C2491 report \*

ned for and on behalf of SGS TAIWAN LTD.



Report No : CE/2004/71778A

Date : 2004/07/21

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#### **Test Result**

PART NAME NO.1 : WHITE PASTE

				Result			
Test Item(s):	Unit	Method	MDL	NO.1			
Carbon tetrachloride		With reference to US EPA 8260. Analysis was performed by GC/MS linked Headspace.	1	N.D.			

					R	esult	
Test Item(s):	Unit	Method	MDL	NO.1			
CFC's(Chlorofluorocarbons)		With reference to US EPA 8260.					
Group I							
Chlorofluorocarbon-11(CAS No:000075-69-4)	ppm	Analysis was performed by GC/MS.(CFC's(Chlorofluoroc arbons))	1	N.D.			
Chlorofluorocarbon-12(CAS No:000075-71-8)	ppm	Analysis was performed by GC/MS.(CFC's(Chlorofluoroc arbons))	1	N.D.			
Chlorofluorocarbon-113(CAS No:000076-13-1)	ppm	Analysis was performed by GC/MS.(CFC's(Chlorofluoroc arbons))	1	N.D.			
Chlorofluorocarbon-114(CAS No:000076-14-2)	ppm	Analysis was performed by GC/MS.(CFC's(Chlorofluoroc arbons))	1	N.D.			
Chlorofluorocarbon-115(CAS No:000076-15-3)	ppm	Analysis was performed by GC/MS.(CFC's(Chlorofluoroc arbons))	1	N.D.			
Group III							
Chlorofluorocarbon-13(CAS No:000075-72-9)	ppm	Analysis was performed by GC/MS.(CFC's(Chlorofluoroc arbons))	1	N.D.			
Chlorofluorocarbon-111(CAS No:000354-56-3)	ppm	Analysis was performed by GC/MS.(CFC's(Chlorofluoroc arbons))	1	N.D.			



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Date : 2004/07/21

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					Re	esult	
Test Item(s):	Unit	Method	MDL	NO.1			
Chlorofluorocarbon-112(CAS No:000076-12-0)	ppm	Analysis was performed by GC/MS.(CFC's(Chlorofluoroc arbons))	1	N.D.			
Chlorofluorocarbon-211(CAS No:135401-87-5)	ppm	Analysis was performed by GC/MS.(CFC's(Chlorofluoroc arbons))	1	N.D.			
Chlorofluorocarbon-212(CAS No:076564-99-3)	ppm	Analysis was performed by GC/MS.(CFC's(Chlorofluoroc arbons))	1	N.D.			
Chlorofluorocarbon-213(CAS No:060285-54-3)	ppm	Analysis was performed by GC/MS.(CFC's(Chlorofluoroc arbons))	1	N.D.			
Chlorofluorocarbon-214(CAS No:002268-46-4)	ppm	Analysis was performed by GC/MS.(CFC's(Chlorofluoroc arbons))	1	N.D.			
Chlorofluorocarbon-215(CAS No:000076-17-5)	ppm	Analysis was performed by GC/MS.(CFC's(Chlorofluoroc arbons))	1	N.D.			
Chlorofluorocarbon-216(CAS No:001652-80-8)	ppm	Analysis was performed by GC/MS.(CFC's(Chlorofluoroc arbons))	1	N.D.			
Chlorofluorocarbon-217(CAS No:000422-86-6)	ppm	Analysis was performed by GC/MS.(CFC's(Chlorofluoroc arbons))	1	N.D.			
Methyl chloroform(CAS No.:000071-55-6)	ppm	With reference to US EPA 8260. Analysis was performed by GC/MS linked Headspace.(CFC's(Chlorofluo rocarbons))	1	N.D.			

				Result				
Test Item(s):	Unit	Method	MDL	NO.1				
Chlorinated Paraffin (C10~C13) (CAS NO:010871- 26-2)		With reference to 83/264/EEC & EPA 8270D. Analysis was performed by GC/MS.	0.01	N.D.				

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				Result					
Test Item(s):	Unit	Method	MDL	NO.1					
Halon		With reference to US EPA 8260.							
Halon-1211(CAS No:000353- 59-3)	ppm	Analysis was performed by GC/MS	1	N.D.					
Halon-1301(CAS No:000075- 63-8)	ppm	Analysis was performed by GC/MS	1	N.D.					
Halon-2402(CAS No:000124- 73-1)	ppm	Analysis was performed by GC/MS	1	N.D.					

				Result				
Test Item(s):	Unit	Method	MDL	NO.1				
PBBs(Polybrominated biphenyls)(CAS NO:67774- 32-7)		With reference to 83/264/EEC. Analysis was performed by GC/MS.	0.0005	N.D.				

				Result				
Test Item(s):	Unit	Method	MDL	NO.1				
PBBEs(PBDEs)(Polybrominat ed biphenyl ethers)		With reference to 83/264/EEC. Analysis was performed by GC/MS.	0.0005	N.D.				

				Result				
Test Item(s):	Unit	Method	MDL	NO.1				
PCBs(Polychlorinated Biphenyls)(CAS NO:001336- 36-3)		With reference to US EPA 8082,89/677/EEC. Analysis was performed by GC/ECD/MS.	0.5	N.D.				

				Result				
Test Item(s):	Unit	Method	MDL	NO.1				
Polychlorinated Naphthalene		With reference to 83/264/EEC & EPA 8270D. Analysis was performed by GC/MS.	5	N.D.				



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				Result				
Test Item(s):	Unit	Method	MDL	NO.1				
PCTs(Polychlorinated Terphenyls)		With reference to US EPA 8082,89/677/EEC. Analysis was performed by GC/ECD/MS.	0.5	N.D.				

					R	esult	
Test Item(s):	Unit	Method	MDL	NO.1			
Halogen		As per prEN14582 method B.					
Halogen-Chlorine (Cl)(CAS No:007782-50-5)	ppm	Filling the oxygen and absorb solution in the flask and take sample in the flask and burn it, The absorb solution was analyzed by IC method	50	N.D.			
Halogen-Fluorine (F)(CAS No:007782-41-4)	ppm	Filling the oxygen and absorb solution in the flask and take sample in the flask and burn it, The absorb solution was analyzed by IC method	50	N.D.			
Halogen-Bromine (Br)(CAS No:007726-95-6)	ppm	Filling the oxygen and absorb solution in the flask and take sample in the flask and burn it, The absorb solution was analyzed by IC method	50	N.D.			
Halogen-Iodine (I)(CAS No:007553-56-2)	ppm	Filling the oxygen and absorb solution in the flask and take sample in the flask and burn it , analyzed by ICP	50	N.D.			

				Result				
Test Item(s):	Unit	Method	MDL	NO.1				
PVC free(CAS No:9002-86-2)		With reference to ASTM E1252 method. Analysis was performed by FTIR/ATR AND Pyro-GC/MS.	-	Negative				

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Date : 2004/07/21

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					R	esult	
Test Item(s):	Unit	Method	MDL	NO.1			
HCFC's(Hydrogenated chlorofluorocarbons)		With reference to US EPA 8260.					
Hydrochlorofluorocarbon- 21(CAS No.:000075-43-4)	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			
Hydrochlorofluorocarbon- 22(CAS No.:000075-45-6)	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			
Hydrochlorofluorocarbon- 31(CAS No.:000593-70-4)	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			
Hydrochlorofluorocarbon- 121(CAS No.:000354-14-3)	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			
Hydrochlorofluorocarbon- 122(CAS No.:000354-21-2)	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			
Hydrochlorofluorocarbon- 123(CAS No.:000306-83-1)	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			
Hydrochlorofluorocarbon- 124(CAS No.:002837-89-0)	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			
Hydrochlorofluorocarbon- 131(CAS No.:000359-28-4)	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			
Hydrochlorofluorocarbon- 131b(CAS No.:000471-43-2)	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			
Hydrochlorofluorocarbon- 133a(CAS No.:000075-88-7)	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			
Hydrochlorofluorocarbon- 141b(CAS No.:001717-00-6)	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			



TAIPEI COUNTY TAIWAN, R. O. C. Page : 7 of 10

					R	esult	
Test Item(s):	Unit	Method	MDL	NO.1			
Hydrochlorofluorocarbon- 221	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			
Hydrochlorofluorocarbon- 222(CAS No.:000422-30-0)	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			
Hydrochlorofluorocarbon- 223	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			
Hydrochlorofluorocarbon- 224	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			
Hydrochlorofluorocarbon- 225ca(CAS No.:000422-56- 0)	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			
Hydrochlorofluorocarbon- 225cb(CAS No.:000507-55- 1)	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			
Hydrochlorofluorocarbon- 226(CAS No.:000431-87-8)	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			
Hydrochlorofluorocarbon- 231	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			
Hydrochlorofluorocarbon- 232	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			
Hydrochlorofluorocarbon- 233	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			
Hydrochlorofluorocarbon- 234	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			

Report No : CE/2004/71778A

: 2004/07/21

Date



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Date : 2004/07/21

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					R	esult	
Test Item(s):	Unit	Method	MDL	NO.1			
Hydrochlorofluorocarbon- 235(CAS No.:013838-16-9)	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			
Hydrochlorofluorocarbon- 241	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			
Hydrochlorofluorocarbon- 242	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			
Hydrochlorofluorocarbon- 243(CAS No.:000338-75-0)	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			
Hydrochlorofluorocarbon- 244	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			
Hydrochlorofluorocarbon- 251	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			
Hydrochlorofluorocarbon- 252	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			
Hydrochlorofluorocarbon- 253(CAS No.:000354-06-1)	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			
Hydrochlorofluorocarbon- 261(CAS No.:000420-97-3)	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			
Hydrochlorofluorocarbon- 262(CAS No.:000420-97-3)	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			
Hydrochlorofluorocarbon- 271	ppm	Analysis was performed by GC/MS.(HCFC's(Hydrogenat ed chlorofluorocarbons))	1	N.D.			



Report No : CE/2004/71778A

Date : 2004/07/21

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				Result				
Test Item(s):	Unit	Method	MDL	NO.1				
Chromium VI (Cr+6)	ppm	As per US EPA 7196A and US EPA 3060A.	2	N.D.				
Cadmium (Cd)	ppm	ICP-AES After As per EN 1122, Method B:2001 or other acid digestion.	2	N.D.				
Mercury (Hg)	ppm	ICP-AES After As per US EPA 3052 or other acid digestion.	2	N.D.				
Lead (Pb)	ppm	ICP-AES After As per US EPA 3050B or other acid digestion.	2	17.6				

NOTE: (1) N.D. = Not detected.(<MDL)

- (2) ppm = mg/kg
- (3) MDL= Method Detection Limit
- (4) " ---" = Not Applicable
- (5) " -" = Not Regulation
- (6) \* = Results shown are of the adjusted analytical results.
- (7) \*\*= Qualitative analysis(No Unit)
- (8) Negative = Undetectable / Positive = Detectable.



Report No : CE/2004/71778A

Date : 2004/07/21

Page : 10 of 10





SIL-MORE INDUSTRIAL LTD.

16F, NO. 100, HSIN TEH ROAD, SAN CHUNG

CITY, TAIPEI COUNTY, TAIWAN, R. O. C.

Report No. : CM/2004/B0080

Date : 2004/11/16

Page : 1 of 1

#### The following merchandise was (were) submitted and identified by the client as:

<u>Type of Product</u>: DOW CORNING TORAY SC102

Sample Received : 2004/11/08

<u>Testing Date</u> : 2004/11/08 TO 2004/11/16

\_\_\_\_\_

#### **Test Result**

PART NAME NO.1 : PLEASE REFER TO THE SAMPLE CARD(S).

				Result				
Test Item (s):	Unit	Method	MDL	No.1				
Bismuth (Bi)	ppm	ICP-AES	2	N.D.				
Indium (In)	ppm	ICP-AES	2	N.D.				

NOTE: (1) N.D. = Not detected (<MDL)

(2) ppm = mg/kg

(3) MDL = Method Detection Limit

(4) " --- " = Not Applicable

(5) " - " = No Regulation

(6) \* = Results shown are of the adjusted analytical results

(7) \*\* = Qualitative analysis (No Unit)

(8) Negative = Undetectable / Positive = Detectable

Darriel Yeh, M.R. / Operation Mana Signed for and on behalf of

SGS TAIWAN LTD.

04/13 '01 15:08 NO.150 02/03

# Taiwell

品質證明書

NO:900411 90年03月11

客	È	台	輝	企業	有限。	公司					-		
含	金	鍊	. /3	ŧ		尺	寸	mm			重	曼 K	g
10	50	ŀ	H14			1.0 * 916 * Coil 5397.5					397.5		
		-\ <del>-</del>	幾	械	性	能	месн	ANICA	L PRO	PERT	IES		
厚度	mm	鎡	冽	號		拉力克	幺度 kg	z/mm²		延	伸	率 %	
1.0			60304	92			12.17				7		
1.0		(	50303	14			12.28				7		
1.0			60304	01	-		12.39				8		
			化	學	成	份	CHEM	ICAL	сомг	OSITI	ON		
厚度	mm	鑑	別	號	Si	Fe	Cu	Mn	Mg	Zn	Cr	Ti	AI
1.0			50304	02	0.10	0.26	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.01	99.6
1.0			50303	14	0.10	0.26	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.01	99.6
1.0	-		50304	01	0.09	0.29	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.01	99.6
	1												_
													1





TEST REPORT NUMBER : THJ0013373

APPLICANT: TONG YU INDUSTRY CO., LTD DATE : JAN 06, 2006

NO2-32 LANE 518 SEC 3 CHUNGSHAN RD

CHANGHUA CITY CHANGHUA COUNTY 500

TAIWAN R.O.C.

SAMPLE DESCRIPTION:

ONE (1) GROUP OF SUBMITTED SAMPLES SAID TO BE:

SAMPLE DESCRIPTION : A5052 SERIES + ANODIZING NATURAL COLOR

DATE SAMPLE RECEIVED : DEC 30, 2005 DATE TEST STARTED : DEC 30, 2005

\*

TESTS CONDUCTED:

PREPARED AND CHECKED BY: FOR INTERTEK TESTING SERVICES TAIWAN LIMITED

JACOB LIN

GENERAL MANAGER



NUMBER : THJ0013373

TESTS CONDUCTED

#### (A) TEST RESULT SUMMARY:

TESTING ITEM	RESULT (ppm)
	SUBMITTED SAMPLES
CADMIUM (Cd) CONTENT	ND
LEAD (Pb) CONTENT	ND
MERCURY (Hg) CONTENT	ND
CHROMIUM VI (Cr <sup>6+</sup> ) CONTENT	ND

REMARKS : ppm = PARTS PER MILLION

ND = NOT DETECTED

#### (B) TEST METHOD:

TESTING ITEM	TESTING METHOD	REPORTING LIMIT	
	WITH REFERENCE TO USEPA 3052, BY		
CADMIUM (Cd) CONTENT	MICROWAVE DIGESTION AND	2 ppm	
	DETERMINED BY ICP-OES		
	WITH REFERENCE TO USEPA 3052, BY		
LEAD (Pb) CONTENT	MICROWAVE DIGESTION AND	2 ppm	
	DETERMINED BY ICP-OES		
	WITH REFERENCE TO USEPA 3052, BY		
MERCURY (Hg) CONTENT	MICROWAVE DIGESTION AND	2 ppm	
	DETERMINED BY ICP-OES		
	WITH REFERENCE TO USEPA 3060A &		
CHROMIUM VI (Cr <sup>6+</sup> ) CONTENT	7196A, BY ALKALINE DIGESTION AND	1 ppm	
	DETERMINED BY UV-VIS		

REMARK: REPORTING LIMIT = QUANTITATION LIMIT OF ANALYTE IN SAMPLE \* END OF REPORT



NUMBER: THJ0013373

TESTS CONDUCTED





# 品質證明書

#### TEST CERTIFICATE

( INSPECTION CERTIFICATE )

中國網數股份自接之。 CHINA STEEL CORPORATION 中華民國高雄市小港區中經路上號 I CHING KANG ROAD HSIAO KANG, KAOBST NO. TAIWAN, REPORTE OF CHINA TEL: [07]802-HJT FAX: [07]802-25E-67-81---

治金技

CEMPEAU MARAGER, METALLINGICAL DEPARTMENT

B0021-01 10

產品名稱 ROD-CARBON STEEL ZONE, DALANG COURTY, DONG GUAN, CHUR YU (DONGGUAN) METAL PRODUCTS TRUEST 客戶名稿 CO. LTD SONG-MJ-SHAN INDUSTRIAL GUANGDONG, CHINA TEL:769-3310921 證明書編發 發票数碼 892596/EB3092 31 0.112 Inches his 中國订單級號: 旁戶無號 2.S41.F1 88187108 COURSE SE CUSPONER NO. SAE 1018, AL-KILLID (HOWQ1) 规格名称 證明書日期 交運日期 ON/ABOUT 770 ISSUE DOCK SHIPPING DATE spannanus ner 1002 Num in vent, 11,598 SPEC. 客戶訂單編號 01 - 00 CSC MILL INSPECTION. 規格 S SI CUNI CR MOTT 項目 C. L. 降伏 抗拉 伸長 Y. S. T. S. 国 DESCRIPTION **热**貌 Z'L 產品序號 长度数 背量 CEMCTII 量 WASS 直径/厚| 宽度 playfiller width BEAT REMARKS ITEN VO. MM 60 30 50 90MAXWAX 15 SPECIFICATION 72 10 35 005 DD236 01 5,50 4,4561K509 47 16 68 20 31 45, 97432836 DD981 01 34 49,830 TOTAL 计# NOTE: (1) CHEMICAL ANALYSIS IS CARRIED OUT BY CSC IN ACCORDANCE WITH TEST METHOD ASTM EA15 AND E1019 WHICH CONFORM TO METAL STANDARDS AND SPECIFICATIONS TEST SAMPLES ARE DISC TYPE (2) TEST REPORT RELATES ONLY TO THE SAMPLES BEING TESTED AND THAT SHALL NOT BE PARTLALLY REPRODUCED WE HEREBY CERTIFY THAT MATERIAL DESCRIBED HEREIN HAS BEEN MANUFACTURED AND TESTED WITH SATISFACTORY RESILETS IN ACCORDANCE WITH THE REGULTREMENT OF OH MOVEMBED

THE ABOVE NATERIAL SPECIFICATION.



文聚工紫有限公司

\*242 台北縣斯莊市中正路508卷35弄66-16號

報告號碼: CE/2005/33614A

日期 : 2005/03/23

页数 : 1 of 3

#### 以下测试提品乃供應廠商所提供及確認:

樣品名稱

座品型號

收件日期

测试日期

螺絲產品

材質SAE 1018電鍍鎳

2005/03/16.

2005/03/16 TO 2005/03/23

測試結果

- 請見下一頁 -

Darlief Ven, M.R. / Operation Manager Signed for and on behalf of SGS TAIWAN LTD.



文聚工紫有限公司

\*242 台北縣新莊市中正路5(8巷35弄66-16號

報告號碼: CE/2005/33614A

日期 : 2005/03/23

頁数 : 2 of 3

#### 測試結果

测试部位 NO.1

级色金属螺絲(請參照附件圖片)

WAR TO	W 41	wish but	A SI Je El At	幼果	
测式项目:	單位	测试方法	位河極限位 —	NO.1	
多溴聯萃(PBBs)	9	本測試參考USEPA3540C 或 USEPA3550C方法,以氣相層析儀/質 遊儀(GC/MS)或高效液相層析儀/二極 體陣列偵測器/質譜儀 (HPI.C/DAD/MS)檢測之(參考歐盟規範 2002/95/EC (RoHS), 83/264/EEC, 76/769/EFC)	0.0005	N.D.	
多溴哪苯醚(PBBEs/PBDEs)	96	本測試參考USEPA3540C 或 USEPA3550C方法,以氣相層析儀/質 譜儀(GC/MS)或高效液相層析儀/二極 體障列偵測器/質譜儀 (IIPLC/DAD/MS)檢測之(參考改溫規範 2002/95/FC (RoHS), 83/264/EEC, 76/769/EEC)	0.0005	N.D.	

with off of		MAR 5-31	Ab make 100 Hz	站果
州武项目:	單位	测试方法	伯洲極限位 —	NO.1
六價路	ppm	依照US EPA 7196A及3060A方法	2	N.D.
ś.,	ppm	依照 EN1122 方法B:2001或其他酸消化方法,用感题稱合電漿原子發射光 諮儀(ICP-AES)做分析	2	N.D.
<b></b>	ppm	依照 US EPA 3052 方法或其他酸消化方法,用房應稱含電漿原子發射光 游儀(ICP-AES)做分析	2	N.D.
<b>3</b> 5	ррт	依照 US EPA 3050B 方法或其他酸消化方法,用感應額合電漿原子發射光 搭假(ICP-AES)做分析	2	18.1

備註:(1) N.D. = Not detected.(<MDL) / 未檢出(低於偵測極限值)

- (2) ppm = mg/kg / 百萬分之一
- (3) MDL= Method Detection Limit(偵測極限值)

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TW 1604486



文聚工業有限公司 \*242 台北縣新莊市中正路508巷35弄66-16號 報告號碼: CE/2005/33614A

日期 : 2005/03/23

頁数 : 3 of 3



[2] 中國體價

#### CHINA STEEL CORPORATION

1Chung Kang Road, Haieo Kang, Keohaiung81233. Taiwan 高速形小池區中開路 1 號

> Tel:886 (7)802-1111 轉 3821 Fsx:886 (7)805-1292' e-mail sddress:t2051391@mail.csc.com.tw

To: 春源鋼鐵工業股份有限公司

日期:2004/9/6

#### 「有害物質」化學成分證明書

本公司對於供應責公司之下列產品,其有害物質含有量之狀況,總分析、確認,保 證如下表所示。

產品名稱:冷軋鋼撈

材質符號:SPCC-SD; SPCD-SD; SPCE-SD; SPCE(EDDA); SPCC-2D; CM-1; CF370R;

CF390R: CF440R: SPFC490: SPFC590: S35CM: S50CM: SAE1060: SAE4130:

SAE4135 : SPP

	<b>有害物質名稱</b>	合有量(mg/kg)
事余屬 可機溴系化合物	1). 請及紹化合物(Cadmium and its compounds)	N.D.
	2). 纷及给化合物(Lead and its compounds)	Max.70
	3).汞及汞化合物(Mercury and its compounds)	N.D.
4.	4). 六價路化台物(Hexavalent Chromium comp.)	N.D.
有機溴系化合物	5).多溴聯萃(PBB)	0
4.	6).多溴二 <u><u></u> </u>	0

註: 1.上表中 1).~6).項為數盟 RoHS 指令限制禁用之物質,RoHS 指令對鉛、汞、 六價絡、PBB 及 PBDE 之濃度建設為 Max. 1000ppm,錦為 Max. 100ppm。 2.N.D.=Not detected(小於檢測極限領 2ppm 以下,ppm=mg/kg)

村建安

冶 金 技 術 處 冶金規範及試驗組組長



TAI 003 14I 00 4

## **Test Report**

金瑋鍍金工業有限公司 \*241 台北縣三重市光華路35號

報告號碼: CE/2005/11173

: 2005/01/17

頁數 : 1 of 2

#### 以下測試樣品乃供應廠商所提供及確認:

樣品名稱

零件、配件

收件日期

2005/01/10.

測試日期

2005/01/10 TO 2005/01/17

#### 测试结果

测试部位 NO.1

銀灰色金屬(請參照附件圖片)

测试项目:	單位	测试方法	<b>侦测極限值</b>	结果
和 4 7 日 :	十位	网络力法	現州極体並	NO.1
六價鉻	ppm	依照US EPA 7196A及3060A方法	2	N.D.
绣	ppm	依照 EN1122 方法B:2001或其他酸消化方法,用感應鵜合電漿原子發射光譜 儀(ICP-AES)做分析	2	N.D.
汞	ppm	依照 US EPA 3052 方法或其他酸消化方法,用感應稱合電漿原子發射光譜儀(ICP-AES)做分析	2	N.D.
鉛	bbm	依照 US EPA 3050B 方法或其他酸消化方法,用感應稿合電漿原子發射光譜 儀(ICP-AES)做分析	2	N.D.

備註:(1) N.D. = Not detected.(MDL) / 未檢出(低於偵測極限值)

(2) ppm = mg/kg / 百萬分之一

(3) MDL= Method Detection Limit(偵測極限値)

Deration Manager Signed for and on behalf of

★ Sample to be returned as requested★

TW 1443039

"Skyro? " SEC Polyester Film **SR53** Product Information g Frodhict Description "Skyro(P) " SR53 is a milky white and hazy polyester film for general motor, hermatic motor, compressor sealed units, fractional horsepower motors, diaphragms and industrial laminations. SR53 has outstanding mechanical and dielectric strength, durability, dimensional stability, low water absorption, good resistance to chemical attack. SR53 retains theses properties over a wide range of temperature and humidity. a Aspeal Properties Property Unit. Value Test Method General **Nominai** Gauge 300 400 .500 ....800 752 900 1000 1200 1400 SKC Method Thickness 11001 (125) (150) (10B) (225) (250) (300) 13505 Mechanical Tensile 17 18 . (Kg/mm²) Strength 26 ASTM D 882 : 21 .12 210 Elongation 200 200 200 240 250 250 ASTM D 882 At Break 120 120 . 120 150 170 Electrical Dielectric Strength 21 ... 16 25 **ASTM D 149** Optical Haze 89. ASTM D 1003 Thermal 150°Cx30min 190 Cx20min Heat 1.5 2.5 .2.5 2.0: SKC Method . Shrinkage C.5 1.0 0.5 1.0 1.0 1.0 1.0 Inii Correlation : N/mm2 = Kamm² X 9.8 = Kg/mm2 × 1422.3

"remation is the best currently available on the subject. The results should, however, only be regarded as a general guide to material properties and not as a guarantee. Some of the properties can be changed will of supplier's efforts to improve the quality or production efficiery of the subject.

SKC-TPS-F-0



該豐隆企業有限公司

: CE/2004/72868A

: 2004/07/28

頁數 : 1 of 1

#### 以下鄉試樣品乃供廖嚴商所提供及

樣品名稱

MYLAR

產品型號

**S10** 

收件日期

2004/07/21.

2004/07/21 TO 2004/07/28

#### 果給給領

测社部位 NO.1

透明白色塑膠片

测试项目:	單位	测試方法	使測率 限值		始果						
	To book to			NO.1		The state of					
六價鉻	ррш	依照US EPA 7196A及3060A 方法	2	N.D.							
	ppm	依照 EN1122 方法B: 2001或 其他酸消化方法,用感應額 合電漿原子發射光谐機 (ICP-AES) 做分析	2	N.D.							
录	ppm	依照 US EPA 3052 方法或 其他酸消化方法,用感應第 合電漿原子發射光谱機	2	N.D.							
	ART DE COMPANY	(ICP-AES) 做分析	Architectus.	2002							
<b>鉛</b>	ppm	依照 US EPA 3050B 方法或 其他酸消化方法,用感應額 合電漿原子發射光譜機 (ICP-AES)做分析	2	N.D.							
疏	%	元素分析機	0.01	0.33	8						

**備註:(1) N.D. = Not detected.(<MDL) / 未檢出(低於偵測極限值)** 

(2) ppm = mg/kg / 百萬分之一

(3) MDL= Method Detection Limit(偵測極限值)

Rigned for and on behalf of BGS TAIWAN LTD.

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SGS TANVAN LIMITED NO. 136-1, Wu Kung Road, Wuku Industrial Zone, Talpel county, Talvan. 1(986-2) 22993939 1(986-2) 2299-3237 www.eps.com.tw

#### **SPECIFICATIONS**

TYPE	MODEL NO.	PAGE:
DC BRUSHLESS FAN	R124010BM AI	1 OF 4

THESE SPECIFICATIONS DEFINE ELECTRICAL AND MECHANICAL CHARACTERISTICS OF THE DC BRUSHLESS FAN.

#### 1. MECHANICAL SPECIFICATIONS

1-1 EXTERNAL DIMENSIONS : REFER TO DWG. NO. HT-001
1-2 HOUSING MATERIAL : LEAD-FREE PLASTIC {UL 94V-0}
IMPELLER MATERIAL : LEAD-FREE PLASTIC {UL 94V-0}

1-3 BEARING : TWO BALL BEARINGS

1-4 NET WEIGHT : 15g

#### 2.ELECTRICAL SPECIFICATIONS

NO	ITEMS	STANDARD	REMARKS
2-1	RATED VOLTAGE	12 V DC	
2-2	START VOLTAGE	7 V DC	POWER ON/OFF
2-3	OPERATING RANGE	7 V~13.2 V DC	
2-4	CONSUMING	0.12 Amp	IN FREE AIR AT RATED VOLTAGE
	CURRENT	(MAX. 0.14 Amp)	
2-5	CONSUMING POWER	1.44 W (MAX. 1.68 W)	IN FREE AIR AT RATED VOLTAGE
2-6	RATED SPEED	6000rpm ± 10%rpm	IN FREE AIR AT RATED VOLTAGE
2-7	AIRFLOW	MAX. 4.64 CFM MAX. 0.13 m <sup>3</sup> /min	AT RATED VOLTAGE AT ZERO STATIC PRESSURE
2-8	STATIC PRESSURE	MAX. 2.87 mmH <sub>2</sub> O	AT RATED VOLTAGE AT ZERO AIRFLOW
			AT ZENO AINT LOW
2-9	SOUND LEVEL	26.9 dB(A)	IN FREE AIR AT RATED VOLTAGE
			1m
			MICROPHONE FAN
1			

	APPROVAL	CHECK	DESIGN		
	EVERFLOW PRECISION ELECTRON CO., LTD	LIU CHUN XIANG 2005/08/08	LIANG HAI HU 2005/08/08	HAI YING YANG 2005/08/08	

<b>TYP</b>	E I	MODEL NO.		PAGE:
DC I	BRUSHLESS FAN	R124010B	MAI	2 OF 4
2-10	OPERATING TEMPERATURE	-10 ~70 (NORMAL HUMIDITY)		
2-11	STORAGE TEMPERATURE	-20 ~75 (NORMAL HUMIDITY)		
2-12	DIRECTION OF ROTATION	CLOCKWISE FROM LABEL SIDE		
2-13	DIRECTION OF AIRFLOW	LABEL SIDE DISCHARGE		
2-14	INSULATION STRENGTH	10 MEG OHM MIN.	AT 500 VDC (BETWEEN FR	AME AND (+) TERMINAL)
2-15	DIELECTRIC STRENGTH	MUST WITHSTAND 500 VAC 1min	MAX 1mA BETY LEADS	WEEN FRAME AND
2-16	PROTECTION	IMPEDANCE PROTECTION		
2-17	DROP TEST	IN MINIMUM PACKAGIN ONE DROP OF THREE F ON TO 10mm THICKNES	FACES FROM 30	
2-18	MECHANICAL SHOC	TEMPERATURE ORIENTATION POWER ACCELERATION PULSE NUMBER OF SHOCKS	: +25°c. : X , Y , Z . : NON-OPERA : 20G MIN. : 11 MS HALF- : 5 SHOCKS F	,

NOTE 1. THE ABOVE STANDARD SHOULD BE THE SPECIFIED VALUE AT NORMAL TEMPERATURE (25 ) AND NORMAL HUMIDITY (60~65%) UNLESS OTHERWISE NOTICED.

	APPROVAL	CHECK	DESIGN
EVERFLOW PRECISION ELECTRON CO., LTD	LIU CHUN	LIANG HAI	HAI YING
	XIANG	HU	YANG
	2005/08/08	2005/08/08	2005/08/08

TYPE	MODEL NO.	PAGE:
DC BRUSHLESS FAN	R124010BM AI	3 OF 4

#### 3.LIFE EXPECTANCE (MTBF)

MORE THAN 90% SHALL KEEP RUNNING AFTER CONTINUOUS OPERATION OF 50,000 HOURS AT RATED VOLTAGE IN 25 AMBIENT TEMPERATURE AND 65% RELATIVE HUMIDITY CONDITION.

FAN LIFE SHOULD BE REDEFINED WHEN ABOVE CONDITIONS ARE CHANGED.

#### 4.LOCKED ROTOR

THIS DC FAN CAN NOT BE LOCKED WHEN IT IS RUNNING.

#### 5.SPECIAL ITEMS

#### 5-1 SPECIFICATION CHANGE

ANY CHANGES TO THE PARAMETERS SPECIFIED IN THIS DOCUMENT WILL BE DETERMINED BY MUTUAL AGREEMENT ON BOTH PARTIES.

#### **5-2 UNCERTAINTY**

IN THE EVENT THAT ANY QUESTIONS MAY ARISE ABOUT THIS DOCUMENT OR ANY STATEMENTS NOT SPECIFIED IN THIS DOCUMENT BOTH PARTIES WILL DISCUSS AND DETERMINE A SOLUTION FAITHFULLY.

#### **5-3 NOTE**

- 1.PLEASE CONSIDER HAVING AN INDEPENDENT PROTECTION SYSTEM IN THE EVENT THAT THE FAN SHOULD STOP OPERATING.
- 2.PLEASE MAKE REFERENCE TO ATTACHED IMPORTANT NOTES & GENERAL INSTRUCTIONS AND DWG.No.:HT-001 TOGETHER WITH THIS SPECIFICATION.

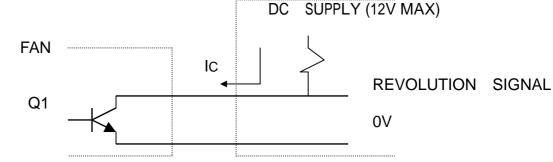
	APPROVAL	CHECK	DESIGN
EVERFLOW PRECISION ELECTRON CO., LTD	LIU CHUN	LIANG HAI	HAI YING
	XIANG	HU	YANG
	2005/08/08	2005/08/08	2005/08/08

TYPE MODEL NO.
DC BRUSHLESS FAN R 124010BM AI 40F 4

- 6. PROVISION OF REVOLUTION SIGNAL
  - 6-1 OUTPUT OF REVOLUTION SIGNAL

.OUTPUT TYPE
.ELECTRICAL SPECIFICATION

OPEN COLLECTOR TYPE



TRANSISTOR Q1 AT "ON" POSITION COLLECTOR CURRENT

SATURATION VOLTAGE BETWEEN COLLECTOR AND EMITTER

AT IC =10mA MAX.

TRANSISTOR Q1 AT "OFF" POSITION

RELEASE VOLTAGE

(AT REVOLUTION)

Ic = 10 mA MAX.VoL = 0.5V MAX.

VOH = 12V MAX

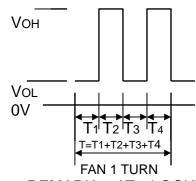
6-2 OUTPUT WAVEFORM

(ACCORDING TO INPUT VOT.)

(AT LOCKED POSITION)

Vон

0V



\_\_\_\_\_\_Vol.

REMARK: AT LOCKED POSITION, OUTPUT BECOMES VOH OR VOL

 $T = T_1 + T_2 + T_3 + T_4 = 60/N \text{ (SEC)} \qquad N: FAN \text{ SPEED } (r.p.m)$ 

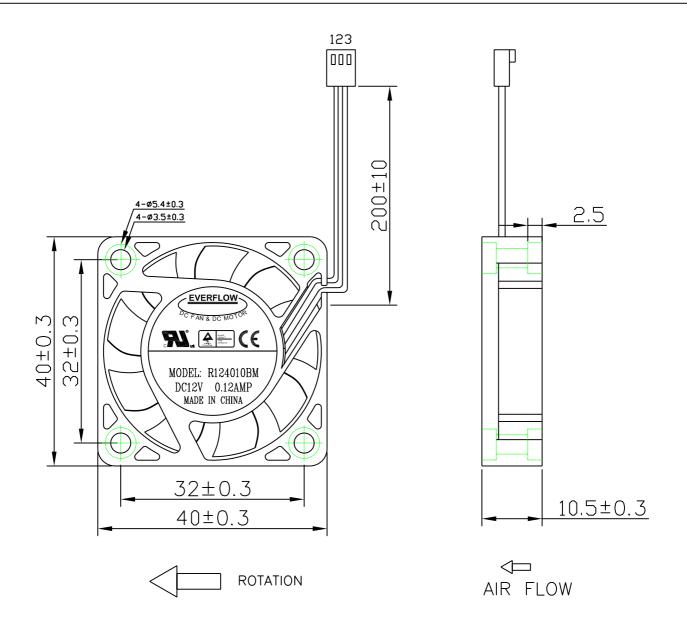
DUTY= 
$$\frac{T1}{T_1+T_2} = 50\pm10\%$$

	APPROVAL	CHECK	DESIGN
EVERFLOW PRECISION ELECTRON CO., LTD	LIU CHUN XIANG 2005/08/08	LIANG HAI HU 2005/08/08	HAI YING YANG 2005/08/08

#### IMPORTANT NOTES & GENERAL INSTRUCTIONS

- 1. Customer shall confirm the matching and reliability of fan on actual set or unit application.
  - This include confirmation on set or unit life, electrical noise, mechanical noise, vibration, static electricity, electric power noise, drift, electric resonance between motor and control circuit, mechanical resonance between motor and chassis, irregular movement of set due to motor noise, irregular movement of set in strong electromagnetic field, damaged by lightning surge earthing method etc.
- 2. Any revisions on the specification shall be done based on mutual discussion and agreement.
- 3. In order to improve the performance within the scope of specification, parts or material changes are subject to prior notice to customer.
- 4. Any item which is needed to add into specification shall be determined on customer's prior written request. If no information given, fan will be delivered based on our standard judgment.
- 5. When any trouble occurs, both parties shall discuss on this specification to solve the matters. In this case, our guarantee is only limited to fans.

	APPROVAL	CHECK	DESIGN
EVERFLOW PRECISION ELECTRON CO., LTD	LIU CHUN	LIANG HAI	HAI YING
	XIANG	HU	YANG
	2005/08/08	2005/08/08	2005/08/08



#### NOTES:

1. LEAD WIRE UL 1007 28AWG OR EQUIVALENT

PIN 1: BLACK WIRE---(-)

PIN 2: RED WIRE---(+)

PIN 3: YELLOW WIRE---(SIGNAL)

- 2. HOUSING: 2510-3P OR EQUIVALENT
- 3. TERMINAL: 2515T OR EQUIVALENT

TRCANGLE METHOD   UNIT: mm				MODEL NO.	R124010BM (AI8A501)		
APPROVE LIU CHUN XIANG 2005/08/08			PART				
CHECK	LIANG HAI HU	2005/08/08		NAME	DC FAN		
DRAWING	HAI YING YANG	2005/08/08	X	DRAWING NAME	OUTLINE		
EVERFLOW PRECISION ELECTRON CO. ,LTD.		CODE	Н	T - 0 0 1	GE: 1		

13/58 2005 12:04 Pay JIA XIN 0/94 2005 18:48 FAX MIN

加州加州

Test Report

No.: SZTYR050411248/LP

Deta: APR 20, 2005

Page 1 of 2

POWER LOGIC ELECTRONIC FACTORY NORTH AREA, TIANME! INDUSTRIAL DISTRICT. HUANGJIANG TOWN, DONGGUAN CITY, GUANGDONG, CHINA

Report on the submitted sample said to be BOBBIN UPPER & BOBBIN LOWER

MUS Ref. No.

GZSCR050421686/LP

Ham No.

: PBT 4830 (BK)

Buyer

: EVERFLOW

S year

: POWER LOGIC

Manufacturer

... : CHANG CHUN PLASTICS CO., LTD.

Region of Origin

: TAWAN

Sample Receiving Date

: APR 13, 1005

Testing Period

; APR 13, 3005 TO APR 19, 2005

Test Requested

- : 1) To determine the Load Content in the submitted sample.
  - To determine the Cadmium Content in the submitted pample.
    - To determine the Maroury Content in the submitted sample.
  - To determine the Historyalent Chromium Content in the submitted sample. Determination of PEBs (polybrominated biphenyls), PBDBs (Polybrominated

diphenylethers) in the submitted sample.

Test Method

- : 1) With reference to EPA Mathod 30508; 1996 / other wold digestion.
  - With reference to EI/1122: 2001 Method B / other acid digestion.
  - With reference to EPA Method 3052: 1996 / other acid digestion.
- 4) With reference to EPA Method 3050A; 1996 / other wat digestion. Analysis was performed by Atomio Absorption Spectromotor (AAS) and inductively

Coupled Plasma Atomic Emission Spectrometer (ICP-AES).

With reference to SGS In-house method. Analysis was performed by GC/MS.

Tost Results

: Please refer to next page.

Signed for and on behalf of sas-CSTC Ltd.

Zhang Yanzheng, Halan Section Manager

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ANNAUT COME RAING, C'100 ORGENALINAMENT DISTRICT CHARLES IN 1991 (SECTION 1991 ANNAUT COME STREET ANNAUT CHARLES IN 1991 (SECTION 1991) ANNAUT CHA

Heinbur of SGS Group(Backer dissense on Surveitance)



No.: \$27YR0504112484.P

Date: APR 20, 2005

Page 2 of 2

Test Results 2

Element	Black plastic party
1) Lead (Pb)	5 ppm
2) Cadmium (Cd)	< 2 ppm
3) Mercury (Hg)	< 2 ppm
4) Hexavalent Chromium (Cr <sup>6*</sup> )	< 2 ppm

Note: - < = Less than:

ppm = mg/kg
 Results shown are of the total weight of dry samples

Content of PBBs (polybrominated biphenyls), PBDEs (Polybrominated diphenylethers)

Flame Retardants	Black plastic parts	Detection Limit
Polybrominated Biphonyls (PBZs)		
Monobromoblehenyl	N.D.	5 ppm
Distromobiphenyl	N.D.	5 ppm
Tribromoblphenyl	N.D.	5 pgm
Tetrabromobiphenyl	ND.	6 ррт
Pentabromoblohenyl	N.D.	5 ppm
Hexabromobiphenyl	N.D.	5 ppm
Heptabromobiphenyl	N.P.	5 ppm
Octabromoblyhenyl	N.D.	5 ppm
Nonabromobiphenyl	N.D.	5 ppm
Deceptomoclphenyl	N.D.	5 ppm
Polybrominated Diphenylethers (PBDEs)		
Monobromodiphenyl ether	N.D.	5 ppm
Dibromodiphenyl ether	N.D.	5 ppm
Tribromodiphenyl ether	N.D.	5 ppm
Te* Vamodiphenyl ether	N.D.	5 ppm
Per-stromodiphenyl ether	N,D,	5 ppm
Hexabromodiphenyl ether	N.D.	6 ppm
Haptabromodiphenyl ether	N.D.	5 ppm
Octabromodiphem/ ether	N.D.	Sppm
Nonabromodiphenyl ether	N.D.	5 ppm
Decabromodiphenyl ether	N.D.	5 ppm

Note: - N.D. = Not Detected

- Not detected is lower than detection limit value.
- The test of 5) was conducted by SGS GZ LTO.

\*\*\* End of Report \*\*\*

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SZL 324657

SENT STORE AND A SENT SET SOME BARBY DAY OF PROCESSION ASSESSMENT SENTENCE SENTENCE

Member of \$500 Group Société Générale de divinationnel



No.: GZSCR050533111/LP

Date: JUN 02, 2005

Page 1 of 4

TSUEN JYPPLASTIC CO., LTD.
SECOND INDUSTRIAL PARK,
JIANGBEI VILLAGE, WUSHA PRECINCT,
CHANGAN TOWN, DONGGUAN CITY,
GUANGDONG PROVINCE, P.R. CHINA

Report on the subranged sample sent inde - MY(AR IPET)

SGS Ref No.

GZ050505871EC-9.3

Buyer

SONY

Sample Receiving Date Testing Period

: MAY 27, 2005

: MAY 27, 2005 TC JUN 02, 2005

Test Requested

(1) As specified by client, to determine the Lead Cadmium, Mercury & Hexavalent Chromium content in the submitted sample.

(2) Determination of PBBs (polybraminated bipheripts), PBDEs (Polybraminated diphenylethers) of the submitted sample.

Test method

: (1) Cadmium content : With reference to BS EN 1122:2001 Method B see flowchart (1) .

Lead content : Ashing after well decomposition see flowchart (2) .

Mercary content - With reference o EPA 3052: 1996.

Hexavalent Chromium content — with reference to EPA 3060A: 1996 & EPA 7196A: 1992 .

Analysis was performed by Atomic Absorption Spectrometer and Inductively Coupled Plasma

Atomic Emission Spectrometer (ICP-AES) / UV-VIS Spectrophotometer.

(2)\With reference to SGS in-hous mathod. Analysis was performed by GC/MS.

Results

Please refer to next page.

Signed for and on behalf of SGS-CSTC Ltd.

He/Xiaoyan, Jane Tech. Manager

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No.: GZSCR050533111/LP

Date: JUN 02, 2005

Page 2 of 4

Results:

(1)

	Beige plastic sheet	
Lead Content (Pb) Codmium Content (Cd) Mercury Content (Hg) Hexavalent Chromium Content (Cr/Vf))	N.D. N.D. N.D. N.D.	
Note - N.D = No Exercted (< 2 ppm) - ppm = mg/kg		
(5)		11
Flame Retardants Polybrominated Biphenyls (PBBs)	Beige plastic (heet)	Detection Limit

Flame Retardants	Beige plastic : heet	Detection Limit (ppm)
Polybrominatec Biphenyls (PBBs)		
Monobromobiphenyi	N.O.	5
Dibromobiphenyl /	N.O.	5
Tribromobiphenyl	N.D.	5
Tetrabromobiphenyl	N.D.	5
Pentabromobiphenyl	N.D.	5
Hexabromobiphenyl/	N.D.	5
Heptabromobiphenyi /	N.D.	
Catabromobiphenyl	N.D.	5
Nonabromodiphen()	N.D.	5
Decabromodipheny/	N.D.	5
Polybrominated Diphenylether (PBDEs)	N.O.	5
Monobromodiphenyl ether	N.D.	
Dibromodiphenyl etner		5
Tribromodiphenyl ether	N.D.	5
Tetrabromodiphenyl etner	N.D.	5
Pentabromodiphenyl ether	N,D.	5
Hexabromodiphenyl ether	N.D.	5
	N.D.	5
deptabromodiphenyl ether	N.D.	5
Octabromodiphenyl ether	N.D,	5
Vonabromodiphenyl ether	N.D.	5
Decabromodiphenyl ether	N.D.	5

Note: - N.D. = Not Detected (< 5 ppm) ppm = mg/kg

\*\*\* End of Report \*\*\*

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No.: GZSCR050\$33111/LP

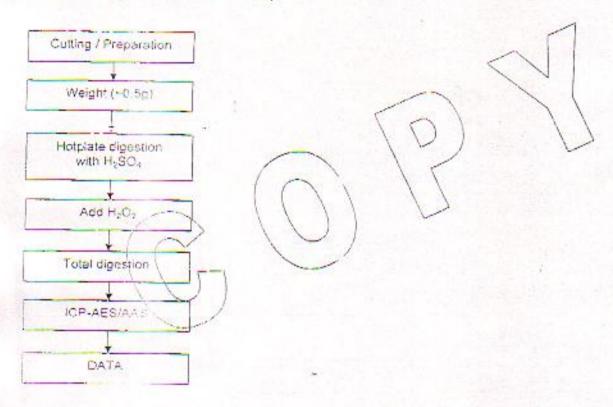
Date: JUN 02, 2005

Page 3 of 4

#### **ATTACHMENTS**

(1)

Flow chart or dig-stian (Cadmium content):



The samples were dissolved totally by pre-conditioning method according to above flow chart.

Operator

: Sams Deng

Leader

1 Joe Li

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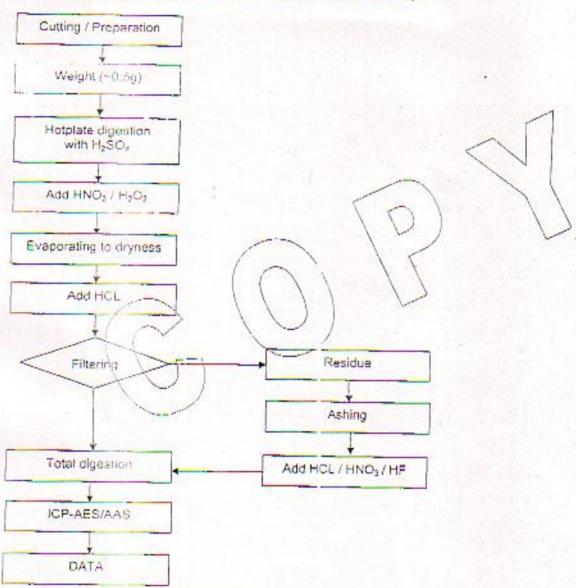


No.: GZSCR050533111/LP

Date: JUN 02, 2005

Page 4 of 4

Flow chart of digestion (wet decomposition and ashin j) (Lead content):



The samples were dissolved totally by pre-conditioning method according to above flow chart,

Operator

: Vincent Li

Leader

: Adams Yu

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No.: GZSCR050533111/LP

Date: JUN 02, 2005

Page 1 of 4

TSUEN JYPPLASTIC CO., LTD.
SECOND INDUSTRIAL PARK,
JIANGBEI VILLAGE, WUSHA PRECINCT,
CHANGAN TOWN, DONGGUAN CITY,
GUANGDONG PROVINCE, P.R. CHINA

Report on the subranged sample sent inde - MY(AR IPET)

SGS Ref No.

GZ050505871EC-9.3

Buyer

SONY

Sample Receiving Date Testing Period

: MAY 27, 2005

: MAY 27, 2005 TC JUN 02, 2005

Test Requested

(1) As specified by client, to determine the Lead Cadmium, Mercury & Hexavalent Chromium content in the submitted sample.

(2) Determination of PBBs (polybraminated bipheripts), PBDEs (Polybraminated diphenylethers) of the submitted sample.

Test method

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Lead content : Ashing after well decomposition see flowchart (2) .

Mercary content - With reference o EPA 3052: 1996.

Hexavalent Chromium content — with reference to EPA 3060A: 1996 & EPA 7196A: 1992 .

Analysis was performed by Atomic Absorption Spectrometer and Inductively Coupled Plasma

Atomic Emission Spectrometer (ICP-AES) / UV-VIS Spectrophotometer.

(2)\With reference to SGS in-hous mathod. Analysis was performed by GC/MS.

Results

Please refer to next page.

Signed for and on behalf of SGS-CSTC Ltd.

He/Xiaoyan, Jane Tech. Manager

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To:水東鹽華小奶 Tu:水湯·憑稻稅

Date

2005/01/97

Page

: 1 of 3

The following merchandise was (were) submitted and identified by the client as :

Tree of Product

: ON SEMICONDUCTOR SOT-23 PACKAGE

Saple Received

: 2005/01/05 : 2005/01/05 TO 2005/01/07

Test Resnit

: - Please see the next page -

Dental Yen, M.A. Operation Manager Signed for and on behalf of Sign Tarwan LTD.

07683727163

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NO. 136-9, We having Rosed, Works Industrial Zone, Telbal county, Talwan (1886-2) 17903000 (1886-3, 2009-3237) hww. 3gs.com/in

# SGS Test Report

Date

: 2005/01/07

Page

:2 of 3

PART NAME NO.1

: PLEASE PEPER TO THE PHOTO(S) ATTACHED (MIXED ALL PARTS)

			Result					
Test Item (s):	Unit	Method	MDL	No.1				
Pos(Polybrominated biphenyls)(CAS NO:059536-65-1)		With reference to USEPA3540 or USEPA3550. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC)	0.0005	N.D.	,			
PBBE (PBDE ) (Polybromi nated biphenyl ethers)	%	With reference to USEPA3540 or USEPA3550. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/759/EEC	0.0005	N.D.		1		

. 4.				Result		
Test Item (w):	Unit	· Method	MDL	No.1		
omium W (Cr+6)		As per US EPA 7196A and US EPA 3060A.	2	N.D.		
Cadmium (Cd)		ICP-AES after as per EN 1122, method B:2001 or other acid digestion.	2	N.D.		
Mercury (Hg)	bbw	ICP-AES after as per US EPA 3052 or other acid digestion.	2	N.D.		
Lead (Pb)	ppm	ICP-AES after as per US EPA 3050B or other acid digestion.	2	N.D.		

NOTE · (1) N.D. = Not detected (<MDL)

(2) ppm = mg/kg

[3] MDL = Method Detection Limit

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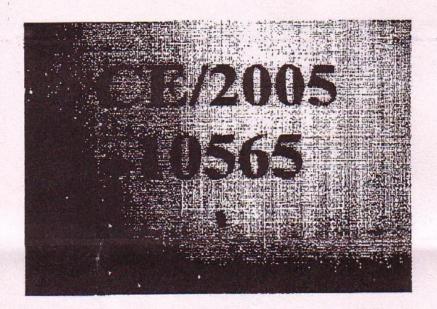
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Date

: 2005/01/07

Page

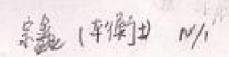
: 3 of 3



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NO. 156-1, Wu Kung Roda Wuku Industral Zone, Talbel county, Talaen. 1(869-7) 27893939 (1886-7) 2285-1237 WWW SS Somaw





Chemical Laboratory - KAO.,SGS Talwan Ltd.

#### TEST REPORT

REPORT NO KAZ004/C0460/A-1 DATE: 2004/12/21

PAGE: 1 DE 1

THE FOLLOWING MERCHANDISE WAS(WERE) SUMMITTED AND IDENTIFIED BY THE CLIENT AS

: TZUNG HSIN TECHNOLOGY CO.L.TO.

PRODUCT DESCRIPTION

ENVIRONMENTAL PROTECTION A BALANCED BARTH. (A PROTECTION)

TESTING DATE

: 2904/12/14 FO 2004/12/21.

SAMPLE RECEIVED

: 2004/12/14.

WE HAVE TESTED THE SAMPLE(S) SUBMITTED AS REQUESTED AND THE FOLLOWING RESULTS WERE OBTAINED.

TEST (TEM(S)	UNIT	METHOD	DET, LMT	RESULT
BARIUM	ppm	ANALYSIS BY ICP-AES WITH ADVANCE TREATMENT US EPA 3050B	2	2560
CARMUM (V/	ppm	ANALYSIS BY ICP-AES WITH ADVANCE TREATMENT EN1122, METHOD #:2001.	2	6.6.
DHROMIUM	ррті	ANALYSIS BY ICP-AES WITH ADVANCE TREATMENT US EPA 30508	2	6.6.
CHROMUM VI Cylin	рет	ANALYSIS BY US EPA 7196A WITH ADVANCE TREATMENT US EPA 3000A.	2	8.4
MERCURY HJ	ppm	ANALYSIS BY ICP.AES WITH ADVANCE TREATMENT US EPA 3052	2	4.6.
EAD 76	ррт	TREATMENT US SPA 30500	2	Li
9335	2	WITH REFERENCE TO 83/264/EEC. ANALYSIS WAS PERFORMED BY GO'COMS ON HPLO/DAD/MS.	0,0005	0.4.
PBOEs V	%	WITH REFERENCE TO \$5004/EEC ANALYSIS WAS PERFORMED BY GOTICOMS OR HPLOIDADIMS	0,0005	n d.

NOTE . e.d. = not detected.

<0MD>



George Huang / Supervisor Sign for and on behalf of SGS Talwan Limited

This Test Report is country to the country or point to be Country Conditions of Spring primal country! Associated a Struct in the British of the Country of Applications, and provided and country of the Country of th

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Chemical Laboratory - KAO, SGS Talwan Ltd.

#### TEST REPORT

REPORT NO KM200WC0882/A-DATE 2004/12/24 PAGE: 1 OF 1

THE FOLLOWING MERCHANDISE WAS(MERS) SUBMITTED AND IDENTIFIED BY THE CLIENT AS:

CLIENT

; TZUNG HSIN TECHNOLOGY CO.J.TO

PRODUCT DESCRIPTION

ENVIRONMENTAL PROTECTION B BALANCED EARTH (8 PART + )

TESTING DATE

SAMPLE RECEIVED

2004/12/22

INTERNATION OF THE PROPERTY OF

WE HAVE TESTED THE SAMPLE(S) SUBMITTED AS REQUESTED AND THE POLLOWING RESULTS WERE OBTAINED.

TEST (TEM(S)	UNIT	METHOD	OET LMT	RESULT
BARIUM	ARIUM POR ANALYSIS BY ICP-AES WITH ADVANCE INSERTMENT US EPA 3050B		5	3829
CADMIUM (C-1)			2	n.a.
CHRONIUM	pam	ANALYSIS BY ICP-AES WITH ADVANCE TREATMENT US CPA 3050B	2	n.d.
CHROMIUM VI Cylit	ppm	ANALYSIS BY US EPA 7198A WITH ADVANCE TREATMENT US EPA 3010A	2	n.d.
MERCURY Hy	ppm	ANALYSIS BY ICP-AES WITH ADVANCE TREATMENT US EPA 3052	2	nd.
LEAD PL	ppm	ANALYSIS BY ICP-AES WITH ADVANCE TREATMENT US EPA 3050B	2	18.1
P98s V	*	WITH REFERENCE TO BUILDANEEC. ANALYSIS WAS PERFORMED BY OCICOMS OR HPLODADMS.	0.0005	n d.
PBDEs 🗸	15	WITH REFERENCE TO BASSACEC ANALYSIS WAS PERFORMED BY GORGOMS OR HPLODADMS.	0.0005	n.d.

NOTE: n.d = not detected.

HENDY

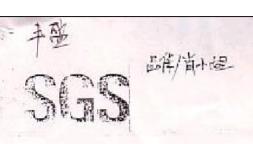


George Huang / Supervisor Sign for and on behalf of SGS Taiwan Limited

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No.: SZTYR050645846/LP

Date: MAY 25, 2005

Page 1 of 3

PROSPERITY WIRE AND CABLE CO., LTD FULL METAL WORK CO., LTD. YINHU INDUSTRY AREAS, SHI SHUI KOU, QIAO TOU TOWN, DONG GUAN CITY, GUANG DONG

Report on the submitted samples said to be COATED WIRES

Sample Receiving Date

: MAY 20, 2005

Testing Period

MAY 20, 2005 TO MAY 25, 2005

Test Requested

- 1) Determination of Lead content in the submitted sample.
- 2) Determination of Cadmium content in the submitted sample.
- Determination of Mercury content in the submitted sample.
- Determination of Hexavalent Chromium content in the submitted sample.
- Determination of PBBs (Polybrominated biphenyls) and PBDEs (Polybrominated diphenylethers) contents in the submitted sample.

Test Method

- With reference to EPA 3050B:1996 / Other acid digestion. Analysis was performed by Atomic Absorption Spectrometer (AAS).
  - With reference to EN 1122:2001 / Other acid digestion. Analysis was performed by Atomic Assorption Spectrometer (AAS)
  - With reference to EPA Method 3052: 1996 / other acid digestion. Analysis was performed by Inductivery Coupled Plasma Atomic Emission Spectrometer (ICP-AES).
  - With reference to EPA Method 3060A: 1996 and then analyzed by colorimetric method 7196A: 1992.
  - 5) With reference to SGS in-house method. Analysis was performed by GC/MS.

Test Regults

Please refer to next page.

signed for and on behalf of SGS-CSTC-Lide

Lin Shumen, Rora Dept. Manager



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2.6.4.6.6.6. One by Building, Cheophang Road, Changmailin, Shendhen China 518049 | 1 (66.75582) 11351 | 1 (66.75583) 10519 | 83118534 | www.cn.sqs.com

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100 Pt



No.: SZTYR050645846/LP

Date: MAY 25, 2005

Page 2 of 3

est Recults

-Element

Coppany color metal wire w/ transparer t

acquer coating on surface

1) Lead (Pb)

< 2 ppm

2) Cadmium (Cd)

< 2 ppm

3) Mercury (Hg)

< 2 ppm

4) Hexavalent Chromium (Cr 6\*)

< 2 ppm

Note: < = Less than ppm = mg/kg

3

Flame Retardants	Coppery color metal wire w/ transparent facquer coating on sur/ace	Detection Limit	
Polybrominated Biphenyls (PBBs)			
Monobromob phenyl	N.D.	5 ppm	
Dibromobiphenyl	N.D.	5 ppm	
Tribromobiphenyl	N.D.	5 ppm	
Tetrabromobiphenyl	N.D.	5 ppm	
Pentabromobiphenyl	N.D.	≠5 ppm	
Hexabromobiphenyl	N.D.	5 ppm	
Heptabromol:iphenyl	N.D.	5 ppm	
Octabromobiphenyl	N.D.	5 ppm	
Nonabromobiphenyl	N.D.	5 ppm	
Decabromobiphenyl	N.D.	5 ppm	
Polybrominated Diphenylethers (PBDEs)		Windowski down of Control of Cont	
Monobromodiphenyl ether	N.D.	5 ppm	
Dibromodiphonyl ether	N D.	5 ppm	
Eribromodiphenyl ether	ND,	5 ppm	
Tetrabromodiphenyl ether	N.D.	5 ppm	
Pentabromodiphenyl ether	N D.	5 ppm	
Hexabromodiphenyl ether	N.D.	5 ppm	
Heptabromodiphenyl ether	N.D.	5 ppm	
Octabromodiphenyl ether	N D.	5 ppm	
Nonabrismod phenyl ether	ND.	5 ppm	
Decabromodiphenyl ether	ND.	5 ppm	

Note: - N.D. = Not Detected, which is lower than detection limit value.

- Results shown are total weight of dry sample.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

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Member et SGS Group(Société Générale de Surveillance)

XVA TT: 60 900Z 49/61

Zoo S

SGS Test Report No.: SZTYR05@315846/LP Date: MAY 25, 2005 Plage 3 of 3 Appendix: Flow chart of digestion (Acid digestion for lead and cadmium content in metallic sample) Culting / Proparation SZTYR0505 Specimen Waighing (0,2g) 15846/LP Digestion with HCI and HNO Total Desolved Analysis by ICP-AES / FAS The submitted sample(s) were dissolved totally by pre-conditioning method according to above flow chart Operated by: Vincent Li-Checked by: Adams Yu "" End of Report "" This Test Report is issued by the Company subject to its General Conditions of Sovice printed overless or attached. Said Conditions are also evallable upon request or are accessible at www.sps.com. Attention is drawn to the linuations of liability in termination, and jurisdictional policies defined therein. The results shown in this Test Report refer only to the sample(s) tosted unloss otherwise stated and such sample(s) are recommodered without written approval of the Company. 5 L +39223 saturate the best to be the same 25.45.57 Order Building, Zhongkang Rend, Shangmotin, Shenaken Clana \$15545 1415.755 (2014) 134 1415-751 (1016) 199 83 (1803) were an against pereduction of

XVH IT:60 9007 20



No.: GZSCR050425907/LP

Date: MAY 10, 2005

Page 1 of 1

TSUEN JYI PLASTIC CO., LTD.
SECOND INDUSTRIAL PARK, JIANG BEI VILLAGE.
WU SHA PRECINCT, CHANG AN TOWN, DONGGUAN CITY;
GUANGDONG PROVINCE P.R. CHINA

Report on the submitted sample said to be 镀锌板

SGS Ref No.

GZ050404670EC

Buver

SONY

Sample Receiving Date

APR 29, 2005

Testing Period

APR 29, 2005 TO MAY 09, 2005

Test Requested

: As specified by client, to determine the Lead, Cadmium, Mercury & Hexavalent Chromium

content in the submitted sample.

Test Method

: Lead content - In house method, with reference to EPA method 3050B: 1996 .

Cadmium content - In house method, with reference to BS EN1122: 2001 method B

Mercury content - In house method, with reference to EPA 3052: 1996.

Hexavalent Chromium content – With reference to EPA 3060A: 1996 & EPA 7196A: 1992 Analysis was performed by Inductively Coupled Plasma Atomic Emission Spectrometer

(ICP-AES) / UV-VIS Spectrophotometer.

RESULTS

Silvery metal plate

Lead Coptent (Pb)(ppm) Cadmium Content (Cd)

N.D.

Mercury Content (Co

N.D.

Hexavalent Chromium Content [Cr(VI)]

N.D.

Note: - N.D. = Not Detected (< 2 ppm)

- ppm = mg/kg

\*\*\* End of Report \*\*\*

Signed for and on behalf of SGS-CSTC Ltd.

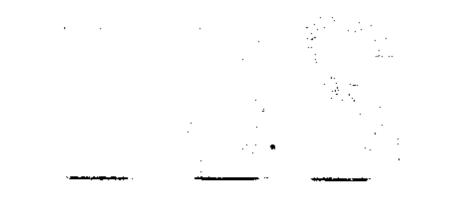
He Xiadyan, Jane Tech Manager

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中国:广州·天河区东隐球村美山路将餐工业医八栋四楼 解源:510660 - 1[8528;2140800 1] \$10.0002.16655 + squicksingles and

Member of SGS Group(Societé Générale de Surveillance)



No.: SZTYR050827193/LP

Date: AUG 15, 2005

Page 1 of 1

CHANG YI STEEL LAMINATION PRESS FACTORY CUN-WEI INDSTRIAL AREA, HENG-LI TOWN, DONG-GUAN, GUANG-DONG, CHINA

Report on the submitted samples said to be SI-STEEL

Sample Receiving Date

: AUG 12, 2005

**Testing Period** 

: AUG 12, 2005 TO AUG 15, 2005

Test Requested

- 1) Determination of Lead content in the submitted sample.
- 2) Determination of Cadmium content in the submitted sample.
- 3) Determination of Mercury content in the submitted sample.
- 4) Determination of Hexavalent Chromium content in the submitted sample.

Test Method

- : 1) With reference to EPA 3050B:1996 / Other acid digestion. Analysis was performed by Atomic Absorption Spectrometer (AAS).
  - 2) With reference to EN 1122:2001 / Other acid digestion. Analysis was performed by Atomic Absorption Spectrometer (AAS).
  - 3) With reference to EPA Method 3052: 1996 / other acid digestion. Analysis was performed by Inductively Coupled Plasma Atomic Emission Spectrometer (ICP-AES).
  - 4) With reference to EPA Method 3060A: 1996 and then analyzed by colorimetric method 7196A: 1992.

# Test Results

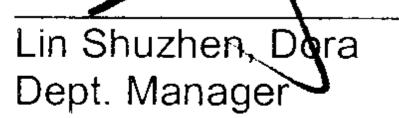
<u>Element</u>	Silvery color metal part
1) Lead (Pb)	41 ppm
2) Cadmium (Cd)	< 2 ppm
3) Mercury (Hg)	< 2 ppm
4) Hexavalent Chromium (Cr 6+)	< 2 ppm

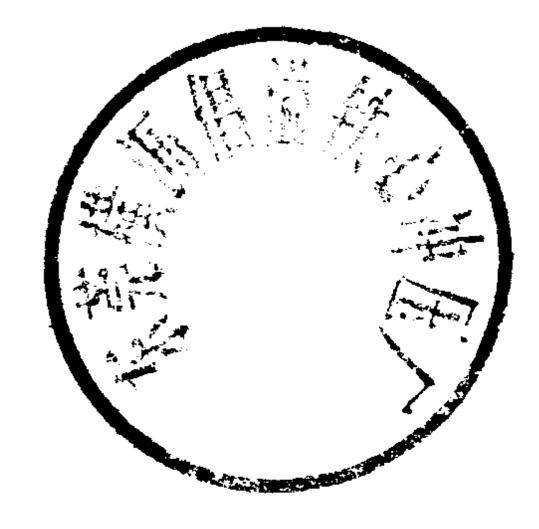
Note: - < = Less than - ppm = mg/kg

- Results shown are of the total weight of dry sample.

\*\*\* End of Report \*\*\*

Signed for and on behalf of SGS-CSTC Ltd.





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No.: SZTYR050100527/LP

Date: JAN 13, 2005

Page 1 of 1

DONG GONG METAL FITTINGS (SHENZHEN) CO., LTD. BEI BIAN BEI INDUSTRIAL AREA, SONGGANG VILLAGE. SONGGANG TOWN, BAOAN DISTRICT, SHENZHEN, CHINA

Report on the submitted sample said to be SHAFT

Item No.

: DG-2005 (KOS-\$US420F63mm)

Sample Receiving Date

: JAN 10, 2005

Testing Period

: JAN 10, 2005 TO JAN 13, 2005

Test Requested

: To determine the Lead, Cadmium, Mercury & "exavalent Chromium content in

the submitted sample.

Test Method

: Lead, Cadmium & Mercury content - In-house method.

Hexavalent Chromium content - with reference to EPA Method 3060A: 1996 / other

wet digestion.

Analysis was performed by Atomic Absorption Spectrometer (AAS), Inductively

Coupled Plasma Atomic Emission Spectrometer (ICP-AES) and UV-VIS

Spectrophotometer.

Results

Silvery color metal shaft

Lead Content (ppm) 항상	
Cadmium Content to	
Mercury Content 3	
Hexavalent Chromium Content	Cute

23 N.D. N.D. N.D.

Note: - N.D. = Not Detected (< 2 ppm)

ppm = mg/kg

- Results shown are of the total weight of dry sample.

... End of Report ...

Signed for and on behalf of SGS-CSTC Ltd.

Zhang Yanzheng, Helen Section Manager

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968-0570 Standards Technical Services Co., Ltd. Shearten Bread-Toys Laboratory.

2F.4F.5F, Caster Building, Zhongbang Road, Shangmalin, Shanghan, Ching \$18048 1 (86-755)63114356 1 (86-755)63105190 63118634 www.cn.s.gu.com

9000

+110

07/03 2005 14:03 FAX 075528903055

SZL 300886



# For NMB ball bearing (NMB 975)

测试报告

No. SH504893/ CHEM

Date: 1.28.2005

Page 1 of 2

上海美蓓亚精密机电有限公司 上海市青浦区沪青平公路8313号

委托检验的样品及申请者对样品的说明如下:

样品名称

:轴承

SGS 相关号

: SHEC0050101446-2

材质

: SECC

样品收到日期

: 2005-01-25

样品试验日期

: 2005-01-25-2005-01-28

试验要求

: 1) 测定委托样品的镉含量

2) 测定委托样品的铅含量 3) 测定委托样品的汞含量

4) 测定委托样品的六价铬含量

试验方法

: 1) 参照 BS EN 1122:2001 方法 B 或其他酸消解

采用电感耦合等离子发射光谱法(ICP-AES)进行分析或原子吸收光谱法(AAS)进行分析

2) 参照美国环境保护局(US EPA)方法 3050B 或其他酸消解

采用电感耦合等离子发射光谱法(ICP-AES) 进行分析或原子吸收光谱法(AAS)进行分析

3) 参照 US EPA 3052 方法或其他酸消解 采用电感耦合等离子发射光谱法(ICP-AES) 进行分析

4) 参照 US EPA3060A & US EPA7196A 进行分析

采用紫外分光光度计进行分析

试验结果

: 见下一页

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SHCH 206620

SGS-CSTC Standards Technical Services Co., Ltd. | Shangkai Branch, Testing Center-Chemical Laboratory 1/F.7/F.9/F & 10/F, the 3rd Building, No. 889, Yishan Road, Xuhui District, Shanghai, China 200233 t+86 21 6495 1616\*822 f+86 21 5450 0314 中国. 上海. 徐汇区宜山路889号3号楼1楼. 7楼. 9楼. 10楼 邮编:200233\*t+86 21 6495 1616\*822 f+86 21 5450 0314 www.cn.sgs.com



No. SH504893/ CHEM

Date: 1.28,2005

Page 2 of 2

#### 试验结果

序号	项目	单位	检测极限值	Α
1	镉(Cd)	ppm	2	N.D.
2	铅(Pb)	ppm	2	N.D.
3	汞(Hg)	ppm	2	N.D.
4	六价铬(Cr VI)	ppm	2	N.D.

(所示结果为样品总重量中的含量)

样品描述:

A. 银色金属圈

备注: ppm =mg/kg

N.D.=未检出 (低于检测极限值)

\*\*\*报告结束\*\*\*

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SHCH 206621

Shanghai Branch. Testing Center-Chemical Laboratory

SGS-CSTC Standards Technical Services Co., Ltd. | 1/F, 7/F, 9/F & 10/F, the 3rd Building, No. 889, Yishan Road, Xuhui District, Shanghai, China 200233 t+86 21 6495 1616\*822 f+86 21 5450 0314 中国.上海.徐汇区宜山路889号3号楼1楼、7楼、9楼、10楼 邮编: 200233-1+86 21 6495 1616\*822 f+86 21 5450 0314 www.cn.sgs.com



No. SH504897/ CHEM

Date: 1.28.2005

Page 1 of 2

上海美蓓亚精密机电有限公司 上海市青浦区沪青平公路 8313 号

委托检验的样品及申请者对样品的说明如下:

样品名称

: 轴承

SGS 相关号

: SHEC0050101446-4

材质

: SUT2MD

样品收到日期

: 2005-01-25

样品试验日期

: 2005-01-25--2005-01-28

试验要求

: 1) 测定委托样品的镉含量 2) 测定委托样品的铅含量 3) 测定委托样品的汞含量

4) 测定委托样品的六价铬含量

试验方法

: 1) 参照 BS EN 1122:2001 方法 B 或其他酸消解

采用电感耦合等离子发射光谱法(ICP-AES)进行分析或原子吸收光谱法(AAS)进行分析

2) 参照美国环境保护局(US EPA)方法 3050B 或其他酸消解

采用电感耦合等离子发射光谱法(ICP-AES) 进行分析或原子吸收光谱法(AAS)进行分析

3) 参照 US EPA 3052 方法或其他酸消解

采用电感耦合等离子发射光谱法(ICP-AES) 进行分析

4) 参照 US EPA3060A & US EPA7196A 进行分析

采用紫外分光光度计进行分析

试验结果

: 见下一页

SGS-CSTC 化学实验室

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No. SH504897/ CHEM

Date: 1.28.2005

Page 2 of 2

#### 试验结果

序号	项目	单位	检测极限值	A
1	镉(Cd)	ppm	2	N.D.
2	铅(Pb)	ppm	2	N.D.
3	汞(Hg)	ppm	2	N.D.
4	六价铬(Cr VI)	ppm	2	N.D.

(所示结果为样品总重量中的含量)

样品描述:

银色金属轮

备注: ppm =mg/kg

N.D.=未检出 (低于检测极限值)

\*\*\*报告结束\*\*\*

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No. SH504895/ CHEM

Date: 1.28,2005

Page 1 of 2

上海美蓓亚精密机电有限公司 上海市青浦区沪青平公路 8313 号

委托检验的样品及申请者对样品的说明如下:

样品名称

:轴承

SGS 相关号

: SHEC0050101446-3

材质

: SAE52100

样品收到日期

: 2005-01-25

样品试验日期

: 2005-01-25--2005-01-28

试验要求

: 1) 测定委托样品的镉含量 2) 测定委托样品的铅含量

3) 测定委托样品的汞含量 4) 测定委托样品的六价铬含量

试验方法

: 1) 参照 BS EN 1122:2001 方法 B 或其他酸消解 采用电感耦合等离子发射光谱法(ICP-AES)进行分析或原子吸收光谱法(AAS)进行分析

2) 参照美国环境保护局(US EPA)方法 3050B 或其他酸消解 采用电感耦合等离子发射光谱法(ICP-AES) 进行分析或原子吸收光谱法(AAS)进行分析

3) 参照 US EPA 3052 方法或其他酸消解

采用电感耦合等离子发射光谱法(ICP-AES) 进行分析

4) 参照 US EPA3060A & US EPA7196A 进行分析

采用紫外分光光度计进行分析

试验结果

: 见下一页

SGS-CSTC 化学实验室授权签 主管

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No. SH504895/ CHEM

Date: 1.28.2005

Page 2 of 2

#### 试验结果

序号	<u>项目</u>	单位	检测极限值	A
1	镉(Cd)	ppm	2	N.D.
2	铅(Pb)	ppm	2	N.D.
3	汞(Hg)	ppm	2	N.D.
4	六价铬(Cr VI)	ppm	2	N.D.

(所示结果为样品总重量中的含量)

样品描述:

A. 银色金属轮

备注: ppm =mg/kg

N.D.=未检出 (低于检测极限值)

\*\*\*报告结束\*\*\*

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Shanghai Brancin, Testing Center-Chemical Laboratory

中国、上海、徐汇区宜山路889号3号楼1楼、7楼、9楼、10楼 邮编:200233·t+86 21 6495 1616\*822 f+86 21 5450 0314 www.cn.sgs.com



No. SH504891/ CHEM

Date: 1.31.2005

Page 1 of 2

上海美裔亚精密机电有限公司 上海市黃浦医沙肯平公路 8313 号

委托检验的样品及申请者对样品的说明如下:

样品名称

保持架

SGS 相关号

: SHEC0050101446-1

型罗

MN

材质

樹脂

**择品收到日期** 

: 2005-01-25

样品试验日期

2005-01-25-2005-01-31

试验要求

- 1) 侧定委托样品的镉含量
- 2) 獨定委托样品的铅含量
- 3) 测定委托样品的汞含量
- 4) 测定型托棒品的六价格含量
- 5) 测定委托样品的多模联苯(PBBs); 多限联苯醚(PBBEs/PBDEs)含量

试验方法

- 1) 參照 BS EN 1122 2001 方法B
- 采用电感耦合等离子发射光谱法(ICP-AES)进行分析或原子吸收光谱法(AAS)进行分析
- 2) 参照美园环境保护局(US EPA)方法 3050B

采用电磁耦合等离子发射光谱法(ICP-AES) 进行分析或原子吸收光谱法(AAS)进行分析

- 3) 参照 US EPA 3052 方法
  - 采用电感耦合等离子发射光谱法(ICP-AES) 进行分析
- 4) 参照 US EPA3060A & US EPA7196A 进行分析
  - 采用紫外分光光度计进行分析
- 5) 参照 US EPA 8081, 采用 GC/MS 进行分析.

试验结果

见下一页

SG8-CSTC 化学实验室控权签字

光曜

主管《

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# SGS

测试报告

No. 5H504891/ CHEM

Date: 1,31,2005

Page 2 of 2

试验结果

<b>过短班米</b>				
序号	项目	単位	检测极限值	A
1	爾(Cd)	ppm	2	N.D.
2	铅(Pb)	ррпі	2	N.D.
3	汞(Hg)	pþm	2	N.D.
4	六价铬(Cr VI)	ppm	.2	N,D.
	多興聯苯定量分析	_		. –
	一溴联苯	ppm	5	N.D.
	二複联苯	ppm	5	N.D.
	三沒联苯	ppm	5	N.D.
	四溴联苯	ppm	5	N.D.
	五溴联苯	ppm	5	N.D.
	六溴联苯	ppm	5	.N.D.
	七溴联苯	.ppm.	5	N.D.
	八溴联苯	РРП	5	N.D.
	九溴联苯	ppm	5	N.D.
_	十溴联苯	ppm	5	N.D.
	多經球苯酰定量分析			
	一溴联苯醛	ppm	5	N.D.
	二溴联苯醛	. ppm	5	N.D.
	三溴联苯醛	ppm.	5	N.D.
	四溴联苯酰	ppm	5	N.D.
	五溴联宏酸	ppm	5	N.D.
	六級联苯醛	ppm	5	N.D.
	七溴联苯醛	ppm.	5	N.D.
	八溴联苯醛	ppm	5	N.D.
	九漢联军酰	ppm	5	N.D.
	十溴联苯醛	ppm	5	N.D.

(所示结果为样品总型量中的含量)

样品描述

A. 黄/棕色树脂架

备注: ppm =mg/kg

N.D.=未检出 (低于检测极限值)

~~报告结束~~

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SHCH 209119



No. SH504809/ CHEM

Date: 1.31.2005

Page 1 of 2

上海美格亚精密机电有限公司 上海市青浦区沪背平公路 8313号

委托检验的样品及申请者对样品的说明如下

样品名称

油脂(润精)

SGS 相类号

SHEC0050101446-10

想号

LY-121

材质

:油脂

样品收到日期

2005-01-25

棒配试粉日期

: 2005-01-25-2005-01-31

试验要求

- : 1) 测定委托棒品的镉含量
- 2) 测定委托样品的铅含量
- 3) 则定委托棒品的汞含量
- 4) 倒定委托样品的大价格含量
- 5) 测定委托样品的多溴联苯(PBBs),多溴联苯酸(PBBEs/PBDEs)含量

试验方法

1) 参照 B9 EN 1122:2001 方法 B

采用电枢耦合等离子发射光谱法(ICP-AES)进行分析或原子吸收光谱法(AAS)进行分析

2) 参照美國环境保护局(US EPA)方法 3050B

采用电磁耦合等离子发射光谱法(ICP-AES)进行分析成原子吸收光谱法(AAS)进行分析

3) 参照 US EPA 3052 方法

采用电磁相合等离子发射光谱法(ICP-AES) 进行分析

4) 参照 US EPA3060A & US EPA7198A 进行分析

采用紫外分光光度计进行分析

5) 参照 US EPA 8081, 采用 GC/M8 进行分析

**武設结果** 

: 见下一页

9G9-CSTC 化学实验复制权签字(i)

主管

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中國:上海、徐江区宣山路889号3号桂1桂、7桂、8楼、10楼、邮编、20028 1+86 21 8695 1818 822 1+86 21 5450 0814 www.cn.xys.com



No. 5H504909/ CHEM

Date: 1.31,2005

Page 2 of 2

**班粉砂** 

是是	型員	単位	像刺极限值	<u>A</u>
1.00	額(Cd)	ppn	2	N.D.
2	铅(Pb)	ppm	2	N.D.
3	隶(Hg)	ppm	2	N.D.
4	大价给(Cr VI)	ppm	2	N.D.
	多溴联苯定量分析	-		, . <del></del>
	一溴联苯	PPM	5	N.D.
	二溴联苯	PPM .	5	N.D.
	三溴聚率	ррт	5	N.D.
	四溴联苯	ppm	5	N.D.
	五溴联苯	bbw	5	N.D.
	六溴联苯	ррп	5	N.D.
	七度联苯	<b>bb</b> L	<b>5</b>	N.D.
	八溴联苯	ppm	5	N.D.
	九溴联苯	PPITI	5	N.D.
5	十溴联苯	ppn	5	N.D.
	多溴联苯醚定量分析	-	<u> </u>	
	一溴联苯醛	ppm:	S	N.D.
	二溴联苯醚	ppm	5	N.D.
	三溴聚苯酚	ppn	5	N.D.
	如本郑成四	PPIN	5	N.D.
	通來與以正	ppm	5	ND.
	六溴联苯醚	<del>pp</del> Ti	5	N.D.
	七海联苯醚	ppin	5	N.D.
	八溴联苯醚	bbu	5	N.D.
	九複联苯醛	ppm	5	N.D.
	十八八十二十八十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二	ÞÞM	5	N.D.

(所示结果为样品总重量中的含量

样品描述:

黄色膏体

各注: ppm =mg/kg

N.D.=未检出 (低于检测极阻值)

报告结束

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918-1 11 Hamilyoth Indian at Gravious Co., Ltd. 1 1/6, 1/6, 2/f & 10/f, the 3rd Politicity, Na. (188, Viehen Read, Xubul District, Stianglist, China 20028d 1 + 85 21 6485 16 (6\*822 1 + 85 21 5450 08 14 中国 上海:徐汇区宣山路889号3号楼1楼.7楼.8楼.10楼 邮编: 20033 1+862154851818\*822 1+88215450 D314 www.ch.sps.com

報(成了) 7/1

Maria Carlos

## **Test Report**

DONG GUAN SUPERTECH ELECTRONICS CO., LTD. Report No. : CE/2004/93628 YAN TIAN DISTRICT, FUNG KONG, DONG GUAN,

GUANG DONG, CHINA.

Date : 2004/09/29

Page

: 1 of 3

The following merchandise was (were) submitted and identified by the client as :

Type of Product

: 柳葉磁石

Sample Received

: 2004/09/21

ceting Date

: 2004/09/21 TO 2004/09/29

Test Result

: - Please see the next page -

d for and on both

TW 1085445





DONG GUAN SUPERTECH ELECTRONICS CO., LTD. Report No. : CE/2004/93628 YAN TIAN DISTRICT, FUNG KONG, DONG GUAN,

GUANG DONG, CHINA.

Date : 2004/09/29

Page : 2 of 3

#### Test Result

PART NAME NO.1

: BLACK RUBBER MAGNET

				Result					
Test Item (s):	Unit	THE PERSON NAMED IN COLUMN 1	MOL	No.1	0.41				
788s(Polybrominated biphenyls)(CAS NO:67774-32-7)		With reference to USEPA3550. Analysis was performed by HPLC/DAD, LC/MS or OC/MS, (prohibited by 2002/95/EC (RoHS), 83/264/EBC and 76/769/EBC)	0.0005	N.D.					
PBBE u[PBD Es[(Polybromi nated biphenyl ethers]		With reference to USEPA3540 or USEPA3550. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (Rolfs), 83/264/EEC and 76/769/EEC)	0.0005	N.D.					

Test Item (s):	Unit		MINL	Result		
				No.1	and the second	
PCBs(Polychlorimated Biphenyls)(CAS NO:001336-36-3)		With reference to US EPA 8082, 69/677/EEC. Analysis was performed by GC/ECD/MS.	0.5	N.D.		

		10000000000	and the same of	Result		
Test Item [s]:	Unit	Method	MOL	No.1	THE PERSON NAMED IN	T
PVC tree(CAS No:9002- 86-2)	1	Analysis was performed by PTIR/ATR and Pyro- GC/MS.	-	Negative	***************************************	6

The Test Proper is recorded the Combine authors to an discrete Combine of Service proved purposed. Afterbook is committee to the combine of the combine proved purpose in the combine of t



DONG GUAN SUPERTECH ELECTRONICS CO., LTD. Report No. ; CE/2004/93528 YAN TIAN DISTRICT, FUNG KONG, DONG GUAN,

GUANO DONG, CHINA.

Date : 2004/09/29

Page : 3 of 3

Test Item (s):	Unit		MDL	Result		
				No.1		
Chromium VI (Cr+6)	ppm	As per US EPA 7196A and US EPA 3060A.	2	N.D.		
Cedmium (Cd)		ICP-AES after as per EN 1122, method B:2001 or other acid digestion.	2	N.D.		
Mercury (Hg)	1 2-12-1	ICP-AES after as per US EPA 3052 or other acid digestion.	2	N.D.		
Lead (Pb)		ICP-AES after as per US EPA 3050B or other acid digestion.	2	24.2		- CO. V

NOTE: (1) N.D. = Not detected (<MDL)

(2) ppm = mg/kg

(3) MDL - Method Detection Limit

(4) " - " = No Regulation

(5) \*\* = Qualitative analysis (No Unit)

(6) Negative = Undetectable / Positive = Detectable

TW1085447

| 285 fairmen Lad. | No. 128-1 Westung Reset, Water Interstruct January, Control Country, Control / 今文章正数工業區工工場139-1数 全種機能料理数据可用を介有 - 1 数85-21 2283-3289 (1885-2 2283-3283) (1885-2 2283-3283) (1885-2 2283-3283)

TOTAL P. 03



No.: GZSCR050426129/LP

Date: MAY 12, 2005

Page 1 of 4

DONGGUAN CHANG DA ELECTRIC WIRE FACTORY CO., LTD. 58 XING-WANG RD. WU-SHA, CHEN-WU INDUSTRY ZONE, CHANG-AN TOWN, DONGGUAN CITY, GUANG-DONG PROVINCE, CHINA

Report on the submitted sample said to be PVC INSULATION WIRE WITH COLOR: YELLOW [UL1007/UL1015/UL1028/UL1569/UL1571/UL1581/UL1865/UL1061/UL2468/UL2800/UL2877/UL2651/UL2464/UL 2733/UL1617/UL1185/UL2547/UL2835/ULSPT(W)/ULNISPT(W)/ULSJT(W)/ULSVT(W)/(H)VFF/(H)VCFT/(H)VCTF K AND OTHER NOUL STYLE) THEY FITSONY & SAMSUNG MODEL

SGS Ref No.

: GZ050404694EC-11.3

JT3 P/N

: 180-RU02220, 180-RU08820, 180-R004018, 180-RU04020, 180-R004020, 182-418012, 180-RU04022, 182-400003, 182-420000, 182-

W08300400

Buyer

: SONY (OEM) FACTORY

Supplier

: WIN-TECH PLASTIC MATERIALS CO.,LTD.

Sample Receiving Date

: APR 29, 2005

Testing Period

: APR 29, 2005 TO MAY 10, 2005

Test Requested

Test Method

: (1) As specified by client, to determine the Lead, Cadmium, Mercury & Hexavalent Chromium content in the submitted sample.

(2) Determination of PBBs (polybrominated biphonyls), PBDEs (Polybrominated diphonylethers) of the submitted sample.

: (1) Cadmium content : With reference to BS EN 1122:2001 Method B see flowchart (1) . Lead content . Ashing after wet decomposition see flowchart (2) .

Mercury content - with reference to EPA 3052, 1998

Hexavalent Chromium content - with reference to EPA 3060A & EPA 7196A. Analysis was performed by Atomic Absorption Spectromater and Inductively Coupled Plasma Atomic Emission Spectrometer (ICP-AES) / UV-VIS Spectrophotometer.

(2) With reference to SGS in-house method. Analysis was performed by GC/MS.

RESULTS

: Please refer to next page.

Signed for and on behalf of SGS-CSTC Ltd.

Zhang Li, Amy Sr. Engineer

The,	可可認試製的資源基
The Be	Pb Maxin: 13
1005 (AC COO)	Cd Margin MAP
G.C	商品対定 MD
8.1年年	日間の年で川ツ
上四日安子	HIM of A. CILIT

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No.: GZ3CR050426129/LP

Date: MAY 12, 2005

Page 2 of 4

Results:

(1)

	Yellow plastic (jacket)
Lead Content (Pb) (ppm)	13
Cadmium Content (Cd)	N.D.
Mercury Content (Hg)	N.D.
Hexavalent Chromium Content [Cr(VI)]	N.D.

Note: - N.D. = Not Detected (< 2 ppm)

- ppm = mg/kg

(2)

Flame Retardants	Yellow plastic (jacket)	Detection Limit (ppm)
Polybrominated Biphenyls (PBBs)		
Monobromobiphenyl	N.D.	5
Dibromobiphenyl	N.D.	5
Tribromobiphenyl	N.D.	5
Tetrabromobiphenyl	N.D.	5
Pentabromobiphenyl	N.D.	ž –
Hexabromobiphenyl	N.D.	5
Heptabromobiphenyl	N.D.	5
Octabromobiphenyl	N.D.	5
Nonabromodiphenyl	N.D.	5
Decabromodiphenyl	N.D.	5
Polybrominated Diphenylether (PBDEs	1	5
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

Note: - N.D. = Not Detected (< 5 ppm) - ppm = mg/kg

\*\*\* End of Report \*\*\*

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GZCM STATE

中国一广州·天河区东疆珠柱美国路路兼工业国八株四楼 邮编:510660 1(86-20)82169200 1(88-20)82163558 + 1go-chicagogu.com



No.: GZSCR050428129/LP

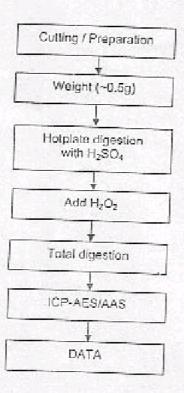
Dale: MAY 12, 2005

Page 3 of 4

**ATTACHMENTS** 

. (1)

Flow chart of digestion (Cadmium content):



The samples were dissolved totally by pre-conditioning method according to above flow chart.

Operator

: Sams Deng

Leader

: Joe Li

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GZCM III



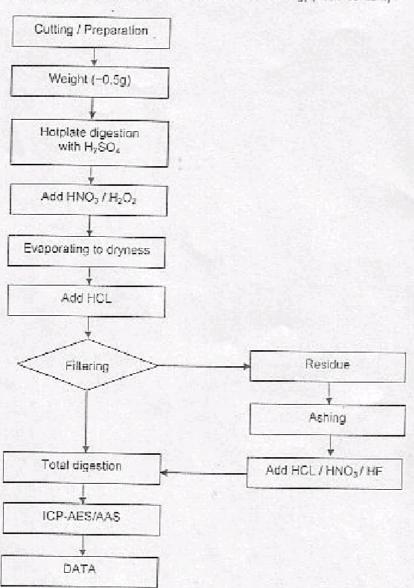
No.: GZSCR050426129/LP

Date: MAY 12, 2005

Page 4 of 4

(2)

Flow chart of digestion (wet decomposition and asking) (Lead content):



The samples were dissolved totally by pre-conditioning method according to above flow chart.

Operator

: Vincent Li

Leader

: Adams Yu

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GZCM HIGHT



No.: GZSCR050426130/LP

Date: MAY 12, 2005

Page 1 of 4

DONGGUAN CHANG DA ELECTRIC WIRE FACTORY CO., LTD. 88 XING-WANG RD. WU-SHA, CHEN-WU INDUSTRY ZONE. CHANG-AN TOWN, DONGGUAN CITY, GUANG-DONG PROVINCE, CHINA

Report on the submitted sample said to be PVC INSULATION WIRE WITH COLOR: RED. [UL1007/UL1015/UL1028/UL1569/UL1571/UL1581/UL1865/UL1061/UL2468/UL2800/UL2877/UL2851/UL2464/UL 2733/UL1617/UL1185/UL2547/UL2835/ULSPT(W)/ULNISPT(W)/ULSJT(W)/ULSVT(W)/(H)///FF/(H)//CFT/(H)//CTF K AND OTHER NOUL STYLE) THEY FITSONY & SAMSUNG MODEL

SGS Ref No. JT3 P/N

: GZ050404694EC-11.4

: 180-R002018, 180-RU02020, 180-R002020, 180-R002920, 180-RU02220, 180-RU08820, 180-1WR-1009-1-3M, 180-1WR-1009-5M. 182-W02300200, 180-RU02922TC, 180-RU02026, 180-H0039, 193-JBL-2, 180-1WR-1009-1, 180-1WR-1009, 180-1WR-1010, 180-A6459, 180-

RU02018, 180-RU02022, 180-RU02024, 180-RU02922, 182-218012. 182-220002, 182-220011, 182-240009, 182-260005, 182-200006, 182-

W08300200, 184-H0011 : SONY (OEM) FACTORY

Buyer Supplier : WIN-TECH PLASTIC MATERIALS CO., LTD.

Sample Receiving Date : APR 29, 2005

Testing Period : APR 29, 2005 TO MAY 10, 2005

Test Requested : (1) As specified by client, to determine the Lead, Cadmium, Mercury & Hexavalent Chromium content in the submitted sample.

(2) Determination of PBBs (polybrominated biphenyls), PBDEs (Polybrominated diphenylethers) of the submitted sample.

Test Method

1 (1) Cadmium content : With reference to BS EN 1122:2001 Method 8 see flowchart (1) Lead content : Ashing after wet decomposition see flowchart (2).

Mercury content - with reference to EPA 3052: 1996. Hexavalent Chromium content - with reference to EPA 3060A & EPA 7196A.

Analysis was performed by Atomic Absorption Spectrometer and Inductively Coupled Plasma Atomic Emission Spectrometer (ICP-AES) / UV-VIS Spectrophotometer. (2) With reference to SGS in-house method. Analysis was performed by GC/MS.

RESULTS

: Please refer to next page.

Signed for and on behalf of SGS-CSTC Ltd.

Zhang Li, Amy Sr. Engineer

四山市 昌 由	Ph Maxin: 7
Loss: 727042 Cod	Cd Max(): N.D
点照像的 居住	温果河定
るい事学	月間 好年专用介

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No.: GZSCR050426130/LP

Date: MAY 12, 2005

Page 2 of 4

Results:

(1)

Red plastic w/ black printing (jacket)

Lead Content (Pb) (ppm) Cadmium Content (Cd) Mercury Content (Hg) Hexavalent Chromium Content [Cr(VI)]

N.D. N.D. N.D.

Note: - N.D. = Not Detected (< 2 ppm) - ppm = mg/kg

Flame Retardants	Red plastic w/ black printing (jacket)	Detection Limit (ppm)
Polybrominated Biphenyls (PBBs)		
Manabramobiphenyl	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
Nonabromodiphenyl	N.D.	5
Decabromodiphenyl	N.D.	5
Polybrominated Diphenylether (PB	DEs)	-
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
lexabromodiphenyl ether	N.D.	5
leptabromodiphenyl ether	N.D.	5
Octabromodiphenyl ether	N.D.	5
Nonabromodiphenyl ether	N.D.	5
Decabromodiphenyl ether	N.D.	5

Note: - N.D. = Not Detected (< 5 ppm) ppm = mg/kg

\*\*\* End of Report \*\*\*

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GZCM 231963

implications are property

555 ST Parties Area State Stat 中国·广州·天河区东疆珠村美山路船景工业团八栋设建 邮编:518660 1/85-2005188200 1/86-29/82103258 e spechina@age.com



No.: GZSCR050426130/LP

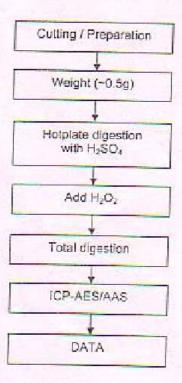
Dale: MAY 12, 2005

Page 3 of 4

**ATTACHMENTS** 

(1)

Flow chart of digestion (Cadmium content):



The samples were dissolved totally by pre-conditioning method according to above flow chart.

Operator

: Sams Deng

Leader

: Joe Li

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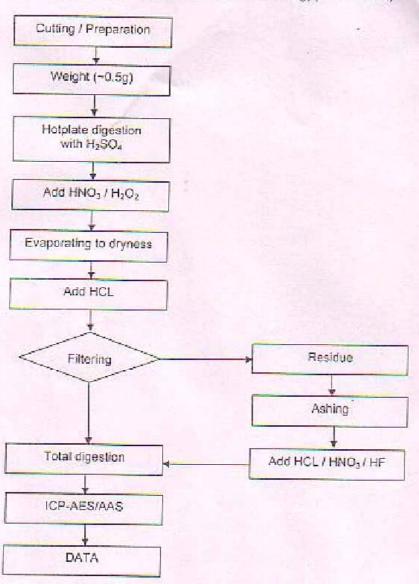
No.: GZSCR050426130/LP

Date: MAY 12, 2005

Page 4 of 4

(2)

Flow chart of digestion (wet decomposition and ashing) (Lead content):



The samples were dissolved totally by pre-conditioning method according to above flow chart,

Operator

: Vincent Li

Leader

: Adams Yu

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No.: GZSCR050426135/LP

Date: MAY 12, 2005

Page 1 of 4

DONGGUAN CHANG DA ELECTRIC WIRE FACTORY CO., LTD. 88 XING-WANG RD. WU-SHA, CHEN-WU INDUSTRY ZONE. CHANG-AN TOWN, DONGGUAN CITY, GUANG-DONG PROVINCE, CHINA

Report on the submitted sample said to be PVC INSULATION WIRE WITH COLOR: BLACK [UL1007/UL1015/UL1028/UL1569/UL1571/UL1581/UL1865/UL1061/UL2468/UL2800/UL2877/UL2651/UL2464/UL 2733/UL1617/UL1185/UL2547/UL2835/ULSPT(W)/ULNISPT(W)/ULSJT(W)/ULSVT(W)/(H)/VFF/(H)/VCFT/(H)/VCTF K AND OTHER NOUL STYLE) THEY FITSONY & SAMSUNG MODEL

SGS Ref No.

: GZ050404694EC-11.9

JT3 P/N

: 184-CHAMP-B, 193-AM-EX100, 180-R002018, 180-R003018, 180-R004018, 180-R006018, 182-060008, 193-MARK1, 193-MARK1-A, 180-RU06022, 180-RU08822, 180-RU00020, 180-RU02020, 180-RU04020, 180-RU06020, 180-RU08020, 280-R004020, 180-R000020, 180-R002020, 180-RU08018, 180-RU08818, 193-Z6-1, 193-Z6, 180-RU00022, 180-RU02220, 180-RU08820, 184-CHAMP-A, 193-WR-37001, 184-H0011, 180-RU02018, 193-CHAMPSR-1, 193-CHAMPSR-2, 180-RU02922, 180-RU02022, 180-RU00020, 193-LCS1060LB, 180-1WR-1010, 180-1WR-1801, 180-A6459, 193-ZB, 193-ZB-1, 184-JBL41-10, 180-RU02018, 180-RU02022, 180-RU02024, 193-NS-329, 184-Z5300-3A, 180-RU04022, 193-DN-2424A, 180-RU06018, 180-RU08022, 184-PULSE350, 182-020005, 180-RU09022, 182-000009, 193-JBL41, 182-018012, 182-020005, 182-0181617, 182-020014, 182-040001, 160-RU02026, 182-W08000000, 184-LCS1060RB, 184-Z640-3A, 186-FDP2-1, 193-JBL-1C, 184-LCS1060RB, 184-Z640-3A, 186-FDP2-1, 193-JBL-1C, 193-JBL-2C, 184-NS-379, 193-JBL41-1D

Buyer

: SONY (OEM) FACTORY Supplier

Sample Receiving Date

SHENZHEN HONGWAN PLASTIC CO., LTD

: APR 29, 2005

Testing Period

: APR 29, 2005 TO MAY 10, 2005

Test Requested : (1) As specified by client, to determine the Lead. Cadmium, Mercury & Hexavalent Chromium content in the submitted sample.

(2) Determination of PBBs (polybrominated biphenyls), PBDEs (Polybrominated diphenylothers) of the submitted sample.

Test Method

: (1) Cadmium content : With reference to BS EN 1122:2001 Method B see flowchart (1) . Lead content : Ashing after wet decomposition see flowchart (2).

Mercury content - with reference to EPA 3052: 1996.

Hexavalent Chromium contens - with reference to EPA 3060A & EPA 7196A.

Analysis was performed by Atomic Absorption Spectrometer and Inductively Coupled Plasma Atomic Emission Spectrometer (ICP-AES) / UV-VIS Spectrophotometer.

(2) With reference to SGS in-house method. Analysis was performed by GC/MS.

RESULTS

: Please refer to next page.

Signed for and on behalf of SGS-CSTC Ltd.

Zhang Li, Amy Sr. Engineer

型造商:	息也	Pb Maxiii:	
Loi# : 7以	off (pp)	Cd Maxifi:	MP
这种条件	8世	結果判定	OK
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No.: GZSCR050426135/LP

Date: MAY 12, 2005

Page 2 of 4

Results:

(1)

Black plastic w/ white printing (jacket)

Lead Content (Pb)
Cadmium Content (Cd)
Mercury Content (Hg)
Hexavalent Chromium Content [Cr(VI)]

N.D. N.D. N.D.

N.D.

Note: - N.D. = Not Detected (< 2 ppm)

- ppm = mg/kg

(2)

Flame Retardants	Black plastic w/ white printing (jacket)	Detection Limit (ppm)
Polybrominated Biphenyls (PBBs)		
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
Nonabromodiphenyl	N.D.	5
Decabromodiphenyl	N.D.	5
Polybrominated Diphenylether (PB	DEs) ·	
Manabramadiphenyl 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	16ppm	5

Note: - N.D. = Not Detected (< 5 ppm)

- ppm = mg/kg

\*\*\* End of Report \*\*\*

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No.: GZSCR050426135/LP

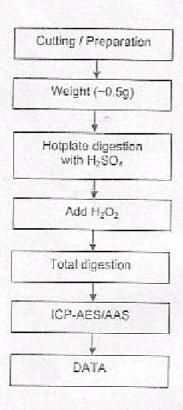
Date: MAY 12, 2005

Page 3 of 4

**ATTACHMENTS** 

(1)

Flow chart of digestion (Cadmium content):



The samples were dissolved totally by pre-conditioning method according to above flow chart.

Operator

: Sams Deng

Leader

: Joe Li

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GZCM 242190

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4F.Disck f./fu Jing Industrial Partiting Shan Road Disc Can Dong Pa Area Tembe District Georgeton China 510650 1(86-20)A2169300 1(86-20)A2169300 mm experies com中国-广州-天河区东疆球柱页山路路景工全国八栋四级 越境:510660 1(86-20)A2169300 f(86-20)A2169388 a hypothinally some

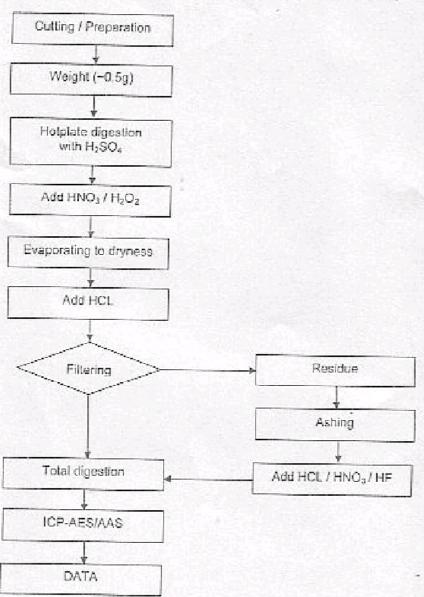


No.: GZSCR050426135/LP

Date: MAY 12, 2005

Page 4 of 4

Flow chart of digestion (wet decomposition and ashing) (Lead content):



The samples were dissolved totally by pre-conditioning method according to above flow chart.

Operator

: Vincent Li

Leader

: Adams Yu.

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No.: GZ8CR050313690/LP

Date: MAR 24, 2005.

Page 1 of 2

DONGGUAN YUKKWONG METAL OXIDIZATION PRODUCTS CO., LTD. XINSHI DISTRICT, HENGLI, DONGGUAN, GUANGDONG, CHINA

Report on the submitted sample said to be 7015-2P.

SGS Ref No.

: GZ050302639EC-3.3

Buyer'

EVERFLOW

Supplier

DONGGUAN YUKKWONG METAL OXIDIZATION PRODUCTS CO. LTD.

Sample Receiving Date

: MAR 17, 2005

Testing Period

: MAR 17, 2005 TO MAR 22, 2005

Test Requested

: (1) As specified by client, to determine the Lead, Cadmium, Mercury & Haxavalent Chromium

content in the submitted sample.

(2) Determination of PBBs (polybrominated biphonyls), PBDEs (Polybrominated

diphenylothers) of the submitted sample.

Test Method

: (1) Lead content - In house method, with reference to EPA method 30908: 1996.

Cadmium content - In house method, with reference to BS EN1122: 2001 method 8.

Mercury content - In house method, with reference to EPA 3052: 1996.

Hexavalent Chromium content - with reference to EPA 3060A & EPA 7196A.

Analysis was performed by Atomic Absorption Spectrometer and Industriely Coupled Plasma Atomic Emission Spectrometer (ICP-AES) / UV-VIS Spectrophotometer.

(2) With reference to SG3 in-house method. Analysis was performed by GC/MS.

RESULTS

Please refer to next page.

Signed for and on behalf of SGS-CSTC Ltd.

He Xisayın, Jone Tech Manager

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GZCM 225295

\$100 CDC have to Textural Severy Co. U.S. Suspelor, French Cleanual Liberatory

Marchan of 505 Group/Society Claricals de Surveillance



No.: GZSCR050313690/LP

Date: MAR 24, 2005

Results:

(1)

	PCB
Lead Coment (Pb) (cpm)	15
Cadmium Content (Cd)	N.D.
Mercury Content (Hg)	N.D.
Haxavalent Chromium Content (Cr(VI))	N.D.

Note : - N.D. ≈ Not Directed (< 2 ppm) - ppm = mg/kg

(2)

Flame Retardants	PCB	Detection Limit (ppm)		
Polybrominated Biphenyls (PBBs)				
Monobromobiphonyl	N.D.			
Dibromobiphenyl	N.D.	5		
Tribromobiphenyl	N.D.	5		
Tetratromobiphenyl	N.D.	.5		
Pentabromobiphenyl	N.D.	5		
Hexabromobiphenyl	N.D.	5-		
Heptabromotriphenyl	N.D			
Octabromobipheryl	N.D.	5		
Nonabromodiphenyl	N.D.	5 .		
Decetromociphenyl	N.D.	- 5		
Polybrominated Diphenylother (PBDEs)				
Monobromodiphenyl ether	N.D.	- 6		
Disremediahenyl ether	N.D.	-5		
Tribromod phenyl ether	N.D.	- 5		
Tetrabromodiphenyl ether	N.D.	5		
Pentabremodiphenyl ether	N.D.			
Mexatromodiphenyl ether	N.D.			
Heptabromodiphenyl ether	N.D.			
Octabromodishenyl ether	N.D.	5		
Nonabromodipheryl ether	N.D.	5		
Decabromodiphenyl ether	N.D.	5		

Note: - N.D. = Not Detected (< 5 ppm)

- pom = mg/kg

End of Report

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GZCM 225296

Surgeous book (Series) statistics

RESCUE Suitable Schmidtlerson Sc., 181. | 67-Stein Chr. Angenderson Printing Print Resc, Durlin Berg Subse, Darte Christ Surging Com. 1980 (1891) (1891) (1891) | 68-Stein Christ Surging Com. 1980) (1891) (1891) | 68-Stein Christ Surging Com. 1981) | 68-Stein Christ Surging Com. 中国:广州-大河区东洲路村长山路福州工业级八的内部 经给金银经验

138-2012/0000 (38-2131)6885 v quintinggrave.



CHANG CHUN PLASTICS CO., LTD. 7TH FL., 301 SONG KIANG ROAD, TAIPEI, TAIWAN,

R. O. C.

Report No. : CE/2005/33371

Date

: 2005/03/23

Page

: 1 of 3

The following merchandise was (were) submitted and identified by the client as :

Type of Product Style/Jam No

POLYBUTYLENE TEREPHTHALATE

PET(2000, 2000T, 2100, 4108, 4115, 4115F,

4120, 4130, 4130F, 4140, 4815, 4820, 4830,

4840, 48150, 48300)

Sample Received Testing Date

: 2005/03/16

: 2005/03/16 TO 2005/03/23

Test Result

Please see the next page -

coned for and on behalf of SGS TANVAN LTD.

The contact of this POR the is in secondarion with the original leased reports for reference only. This Text Report connect be reproduced, except in 6.6, without prior settlent permission of the Company.



CHANG CHUN PLASTICS CO., LTD. 7TH FL., 301 SONG KIANG ROAD, TAIPEI, TAIWAN,

R. O. C.

Report No. : CE/2005/33371

Date

: 2005/03/23

Page

: 2 of 3

#### Test Result

PART NAME NO.1

MULTICOLORED PLASTIC PELLETS (PLEASE REPER TO THE PHOTO ATTACHED)

Test Item (s):	Unit	Method	MDL	Result
Charles III III				No.1
Chromhum VI (Cr+6)	ppm	As per US EPA 7195A and US EPA 3050A	2	N.D.
Codmium (Cd)	ppm	ICP-AES after an per EN 1122, method B:2001 or other acid digestion.	2	N.D.
Mercury (Hg)		ICP-ABS after as per US EPA 3052 or other acid digestion.	2	N.D.
Load (P5)	Ppm	ICP-AES after os per US EPA 3050B or other acid digention.	2	12.0

Tost Item (a):	Unit	Method	MDL	Result
PBBs(Polybrominated	A 10.5	LI II. STREET, STREET	400	No.1
hiphenyis)(CAS NO:059536- 55-1)	**	With reference to USEPA3540C or USEPA3550C. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EBC, and 76/769/ERC)	0.0005	N.D.
*BBEs(PBDEs)(Polytoreminat of biphenyl ethers)	*	With reference to USEPA3540C or USEPA3550C, Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC)	0.0003	N.D.

NOTE- \*(1) N.D. = Not detected (\*MDL)

(2) ppm - mg/kg

(3) MDL - Method Detection Limit

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COLUMN III

EGS TAYANG LIMITED 1999, 1994, We King Road, Ma Sufficiented Soys, Tajout monty, Takago, 4664-0, 2704-1914 (MA-D) 2704-2707 monty agreedy

三力海及龙路城

FROM: AVINAN

2005.06.27 06:58FM

**Test Report** 

KOAN HAO ENTERPRISE CO, LTD 29, GUNG YE RD, NANKANG IND. PARK, NANTOU.

TAIWAN R. O. C.

Report No. : CE/2005/403011

: 2005/04/11 Date

Page : 1 of 6

The following merchandiso was (were) submitted and identified by the client as :

Type of Product

25 u POLYESTER FILM GOLDEN MAT(I) STICKER POR III

Sayle/Item No

: TKCMESUL : SONY

Buyer Sample Received

Testing Date

2005/04/01 2005/04/01 TO 2005/04/11

Test Result

: - Please see the next page -

"This report is combined with report of CE/2005/40248A"

The cortest of this POF file is in accordance with the original broad reports for reference city. This Tarit Report remote the reproducted in the extend prior without permitted and the Children's

KOAN HAO ENTERPRISE CO, LTD 29, GUNG YERD, NANKANG IND, PARK, NANTOU, TAIWAN R. O. C.

Report No. : CE/2005/403011

F . 1002

: 2005/04/11 Date

2 06 6 Page

#### Test Result

PART NAME NO.1

GOLDEN COLORED FILM(CE/2005/40248A) (PLEASE REFER

TO THE PHOTO ATTACHED)

PART NAME NO.2

TRANSPARENT ACRYLIC(CE/2005/40301) (PLEASE REFER TO

THE PHOTO ATTACHED)

	- Control		200	Rescult	
Tot Item (4):	Doit	Method	MDI.	No.1	No.2
Monobremobilphony!	*		0.0006	N.D.	N.D.
Shromobiphenyl	- %		0.0006	N.D.	N.D.
	7.		0.0005	N.D.	NO
ntbromoblphony!	<del>-</del>	With reference to	0.0006	ND.	Nilo
etrahromobiphonyl	- 3	USEPAZS40C or	0.0000	N.O.	N.D.
Pentabrumootphenyl	75	LISEPA3550C. Analysis was	0.0006	N.D.	N.D.
Hexabromobophenyl		performed by HPLC/DAD.	0.0005	N.D.	ND
Heptabromobiphenyl	%	(C/MS or CC/MS. (prohibited by 2002/95/EC (Re45), 93/264/EEC, and 76/769/EEC)	0.0005	N.D.	N.D
Octabromotripheny1	96		0.0005	N.D.	N.D
Nonabromobiphenyl	96		0.0005	N.D.	N.D.
Decarbromobiphenyl	700	100 1000	W. School	ND.	NO
Total PBBs(Polybrominated bighenyis)/Sum of above	44				N.D.
Manabromoblehenyl ether	× .		0.0005	N.D.	The second secon
Dibromobioleuryl ether	*		0.0005	N.D.	N.D.
Imbromobiphenyl ether	70		0.0005	N.D.	4,000
Tetrabromotophenyl other	%	Wigh milerence to	0.0005	N.D.	MID
Pentabromobishemi other	%	USEPA3540C or	0.0005	N.D.	NIR
Heunbrogsobicksmyl other	94	USEPA3550C. Analysis was performed by HPLC/DAD.	0,0005	M.D.	N. 15
Heptabromobipheroyl other	- %	LC/MS or GC/MS.	0.0005	ND.	N/D
Octabromobiphonyl ether	- 1	(prolubited by 2002/95/EC	0,0006	N.D.	NU
Nonabromobiehenvi ether	14	(Restf), 83/264/EEC, and	0.0006	N.D.	NB
Decabeomobiphenyl other	76	76/769/EEC)	0.0003	N.D.	NO
Total YEBEs(PBDEs) (Polybrominated biphenyl ethers)/Sum of above	*			N.D.	No.

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# **Test Report**

KOAN HAO ENTERPRISE CO. LTD. 29. GUNG YE RD, NANKANG IND. PARK, NANTOU. TAIWAN R. O. C.

Report No. : CE/2005/403011

Date : 2005/04/11

Page : 3 of 6

Test Item (s):	Unit	Mothod	MOD.	Result	
Chromium VI (Cr.6)			January.	No.1	No.2
	ppm	UV-VIS after reference to US EPA 3066A.	2	N.D.	N.O.
Cadmium (Cd)	ppen	ICP-AES after reference to EN 1122, method B:2001 or other acid digestion.	2	N.D.	acti
Meroury (Hg)		ICP-AES after reference to US EPA 3052 or other acid digestion.	2	N.D.	N.L.
and (Ply	ppm	ICP-ABS ofter reference to US EPA 3050B or other actd digestion.	2	N.O.	N.D.

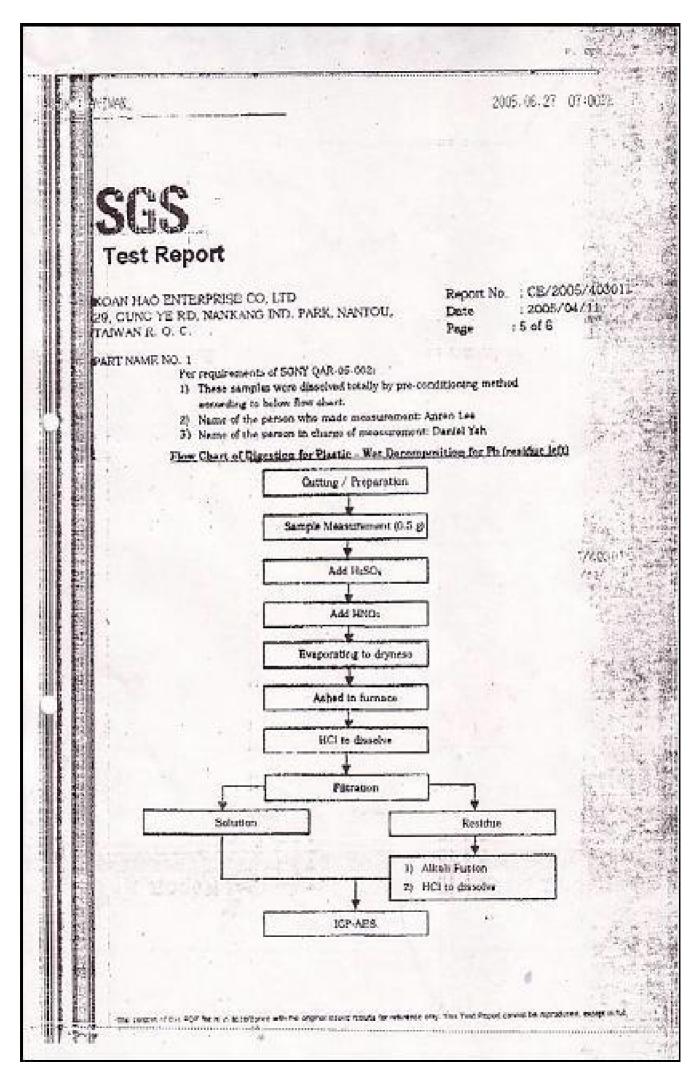
NOTE: +(i) N.D. = Not detected (cMDL)

(2) pptn = mg/kg (3) MDL = Method Detection Limit

(4) " - No Regulation

The Lorient of this PDP file is in exceptance with the original related reports the reference only. This first Report connect to impressived, many will not be unusually at the Company.

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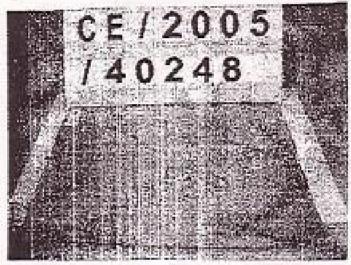
FROM A AVIVANL

SGS Test Report

KOAN HAO ENTERPRISE CO, LTD 29, GUNG YE RD, NANKANG IND. FARK, NANTOU; TAIWAN R. O. C. Report No. | CE/2005/40301L

Date : 2005/04/11

Page : 6 of 6





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No.: GZSCR050420533/LP

Date: APR 15, 2005

Page 1 of 2

JUST MAKE ELECTRONICS CO.,LTD. XI NIU PI INDUSTRIAL ESTATE. DA LANG TOWN, DONGGUAN

Report on the submitted sample said to be TERMINAL (端子)

SGS Ref No.

: SZ050405822EC

Item No.

: SEE REMARK

P.O No.

: 0502

Buyer

: SAMSUNG

Supplier

: JMT

Manufacture

: JMT

Region of Origin

: TAIWAN

Country of Destination

: USA/JAPAN

Sample Receiving Date Testing Period

: APR 11, 2005

: APR 11, 2005 TO APR 14, 2005

Test Requested

: As specified by client, to determine the Lead, Cadmium, Mercury & Hexavalent Chromium

content in the submitted sample.

Test method

: Cadmium content - In-house method, with reference to BS EN1122: 2001 method B.

Lead content - In-house method, with reference to EPA method 3050B: 1996.

Mercury content - In-house method, with reference to EPA 3052: 1996.

Hexavalent Chromium content - with reference to EPA 3060A: 1996 & EPA 7196A: 1992 . Analysis was performed by Atomic Absorption Spectrometer and Inductively Coupled Plasma

Atomic Emission Spectrometer (ICP-AES) / UV-VIS Spectrophotometer.

Result

Silvery metal part + Golden metal part

Lead Content (Pb)(ppm) Cadmium Content (Cd)

Mercury Content (Hg) Hexavalent Chromium Content [Cr(Vi)]

Note: - N.D. = Not Detected (< 2 ppm)

- ppm = mg/kg

+ Coppery metal part

56 N.D. N.D.

N.D.

Signed for and on behalf of SGS-CSTC Ltd.

He Xiaoyan, Jane Tech. Manager

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No.: GZSCR050420533/LP

Date: APR 15, 2005

Page 2 of 2

Item No.

: J1000, J2000, J10182, J1011, J1017, J1018, J10181, J10182, J10185, J10186, J10187, J1019, J1020, J1030, J1058, J1158, J1120, J11202, J1130, J1135, J11636, J1432, J1439, J1445, J1441, J14312, J1456, J1473, J1424, J1543, J1535, J15351, J1729 J1730, J1732, J1735, J1740, J1741, J1751, J1752, J1753, J1764, J1841, J1842, J2016, J2017, J2020, J2120, J2027, J2017, J2030, J2130, J2133, J2143, J23125, J24125, J24150, J2350, J2351, J2362, J2347, J24111, J24221, J24150, J2416, J24181, J24182, J24228, J2540, J0303, J0302, J6758

\*\*\* End of Report \*\*\*

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GZCM.228507

No.: \$ZTYR050410905/LP

Date: APR 15, 2005

Page 1 of 2

POWER LOGIC ELECTRONIC FACTORY NORTH AREA, TIANMEI INDUSTRIAL DESTRICT, HUANGJIANG TOWN, DONGGLIAN GITY,

GUANGDONG PROVINCE, CHINA

Report on the submitted sample said to be FRAME & IMPELLER & BOBBIN

sas Ref. No.

: GZ8/JR050420907/LP

them No.

: POT 4830

Tye!

EVERPLOW

supplier

POWER LOGIC CHUNG CHUN PLASTICS CO., LTD.

Manufacturer

TANVAN

Region of Origin Sample Receiving Date : APR 11, 2005

Testing Period

: APR 11, 2005 TO APR 14, 2005

Test Requested

: Determination of PBBs (polybrominated biphenyls). PBDEs (Polybrominated

alphonylethers) in the submitted sample.

Test Method

: With reference it: \$35 in-house method. Analysis was performed by GC/MS.

**Test Results** 

: Please rafer to read page.

Signed for and on behalf of BOS-CSTC Ltd.

Zhang Yanzheng, Holen

Section Manager

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programmings for Ottober.

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No.: 8ZTYR050307932/LP

Date: MAR 23, 2005

Page 1 of 1

POWER LOGIC ELECTRONIC FACTORY NORTH AREA, TIANMEI INDUSTRIAL DISTRICT. HUANGJIANG TOWN, DONGGUAN CITY, GUANGOONG PROVINCE, CHINA

Report on the submitted sample said to be FRAME & IMPELLER & DOBBIN

ftem No.

: PBT 4830

Buryer

: EVERFLOW

Supplier

: POWER LOGIC

Manufacturer

CHANG CHUN PLASTICS CO., LTD.

Region of Origin

: TANKAN

Sample Receiving Date **Testing Period** 

; MAR 19, 2005 MAR 19, 2005 TO MAR 23, 2005

Test Requested : To determine the Load, Codmium, Marcury & Haxavalent Chromium contant in

the submitted sample.

Test Messed

Lead confurt - with reference to EPA Method 3050B; 1995 / other acid digestion. Codmium content - with reference to EN1122: 2001 method B / other sold digestion. Mercury content - with reference to EPA Method 3082: 1998 / other gold digestion. Hexavalont Chromium content - with reference to EPA Method 3060A: 1998 / other wet

Analysis was performed by Atomic Absorption Spectrometer (AAS) and industively

Coupled Plasma Atonilo Emission Spectrometer (ICP-AES).

Results

Black plactic pieces + Red plastic pieces

14 Legd Content (ppm) Gadmium Content (ppm) cd

11 N.D.

Mercury Content

N.D.

Hexavalent Chromium Content Cult

Note: - N.D. - Not Detected (< 2 ppm)

- ppm = ma/kg

- Results shown are of the total weight of dry sample.

\*\*\* End of Report \*\*\*

signed for and on behalf of SGS-CSTC Ltd.

Zitlang Yanzheng, Heled Section Manager

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100 CH Strates Television (CA 74) SERVERS, Code Building & anglang New Change also States Class States C 95-705 (STATES) (SERVERS) (STATES) (STATES

Momber of SGS Groups Seekill (Contests to Surveitment)



No.: 82TYR050410905/LP

Date: APR 15, 2005

Page 2 of 2

sultă:	Black plastic + Red plastic	Detection Limit
	British Bildage	E about
lame Retordants olybrominated Biphenyls (PBBs)	N.D.	5 ppm
olybraminmed different	N.D.	5 com
LANCHICOTO TO DE	N.D.	5 ppm
visional chemical community	N.D.	5 pg/11
chromobic nenst	N.D.	5 ppm
Tatabromoorphismy:	N.D.	5 gram
Persobrorilo Diprimity	The state of the s	5 ppm
developed phany	N.D.	5 porti
Hooks bromotopheny	N.D.	5 pom
A-Halandmobile(1901)/I	ND.	5 0000
ы правед пробратору	N.D.	9-
Decapromatiphenyl	75	6 ppm3
Designed House Division II	N.D	5 ppm
MARDRIGHTOURISM	NO.	5 pgm
Colorestado (Carro) Carro	N.D.	5 ppm
The second of th	N.O.	5 opti
THE ARM PROPERTY AND THE PROPERTY AND TH	N.D.	5 ppm
· · · · · · · · · · · · · · · · · · ·	N.D.	5 ppm
The first of the same property of the first of the same of the sam	N.O.	Sppm
Heptabromedichenyl ether	N.D.	5 ppm
Contract of the Contract of th	N.D.	5 ppm
Nonabromodiphenyl other	N.O.	
Decabromodiphonyl ether		

Note: - N.D. = Not Detected Not detocked is lower than cotestion limit value.

- The tests were conducted by SGS GZ LTD.

\*\*\* End of Report \*\*\*

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格诺则排

来购 王丽多

Test Report

No: SZTYR050117809/LP

Date: JAN 25, 2005

Page 1 of 1

DONG GUAN WEL HAO SCIENTECH ELECTRONECS MATERIAL CO., LTD NO 189 BEI HUAN ROAD TIAO KANG. HENG LI TWON, DONG GUAN CITY

Report on the submitted sample said to be FLUX

: HD-810

SONY

Buyer

JAN 18, 2005

Sample Receiving Date **Testing Period** 

. JAN 19, 2005 JAN 24, 2005

Test Requested

: To determine the Lead, Cadmium, Mercury & Hexavalent Chromium content in the

submitted sample.

Test Method

: Lead content - with reference to EPA Method 3050B: 1996.

Gadmium content - with reference to EN1122, 2001 method B.

Mercury & Chromium content - In-house method.

Analysis was performed by Inductively Coupled Plasma Alomic Emission

Spectrometer.

RESULTS

Transparent Lt. yellow liquid

Lead content (mg/kg)

<2 09

Cadmium Content (mg/kg)

< 2

Mercury Content (mg/kg)

Hoxavalent Chromium Content (mg/kg)

52

Note: - < = Less Than

ppm = mg/kg

· Results shown are of the lotal weight of liquid sample.

\*\*\* End of Report \*\*\*

Signed for and on behalf of SGS-CSTC Ltd.

Zhang Yanzheng, Helen

Sr. Section Head

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### To: 采购 罗多

1361% fan Solder

Test Report

No. 2013786/EC

Date : Feb 21 2005

Page 1 of 2

梁圳市弘星咸埠錫制品有限公司 梁圳市**贺安區**石岩鎮塘等工業高。

#### 對媒稱為無鉛錫線之化驗報告

此報告是報告 2013451/EC, 日期為 FEB 18 2005 之報告的中文譯本 (翻譯內容如有歧異。 概以英文報告為 準)。

14 V. M. 14

SGS 工作網號

1703515

SGS 參考編號

SZEC0050201914EC

生產廠家/供應圈

廣東美的, 福建大棚電子 深圳市弘建城岸錫制品有限公司

原產國

置家

The Contract of the Contract of

樣品接收日期

二零零五年二月四日

化驗時間/日期

二等等五年二月五日至十八日

測試項目

- 1) 检定所提供核品之縣 (Cd) 含量。
- 2) 檢定所提供樣品之鉛 (Pb) 含量。
- 3) 檢定所提供樣品之汞 (Hg) 含量。
- 4) 检定所提供機品之六價路 (CrVII) 含量。
- 5) 檢定所提供樣品之聚溴化苯 (PBBs), 聚溴化苯醚 (PBBEs/PBDEs) 含量。

測就方法

1-3) 參照內部方法進行測定。

利用酸去溶解樣品, 然後利用電感耦合等離子發射光譜(當(ICP-AES)或原子吸收光譜 儀進行 測定。

4) 根據EPA Method 3080A和7198A。

依照EPA Method 3060A,利用鹼抽取樣品中 的六價鉻 (CrVI)。並以 Colorimetric

method 7196A。

5) 參照內部方法進行測定。 利用氣相色譜儀及質譜儀(GC/MS)進行測定。

測試結果

精發照下頁

賽港通用公証行 代表簽名

李重美/高級經理

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PKUM: METMED

Jul. 15 2005 11:41 Pi

E#X NO: : 3726882

To: 朱则 罗多

**Test Report** 

Date: Feb 21 2005

Page 2 of 2

化测結果

元森 鎷 (Cd)

鉛 (Pb) 汞 (Hg)

六價鉻 (Cr<sup>5\*</sup>)

銀色金屬 (蝴練)

<2毫克/千克

79 毫克/ 千克

<2 養克/千克

(以上結果為測試機品的總質量)

**評註:<=少於** 

阻然劑	銀色金屬 (蝴線)	測試限定
聚溴化苯	THE RESERVE OF THE PARTY OF THE	
溴化睪	未能剥出	5 毒克/干克
二溴化苯	未能測出	5毫克/千克
三溴化苯	朱龍淵出	5 豪克/ 千克
四溴化苯	未能测田	5 图克/平克
五溴化苯	未能測出	5 毫克/ 午克
六溴化苯	<b>未能測出</b>	5 毫克/ 牛克
七溴化苯	未飽測出	5 毫克/ 千克
八溴化苯	未能测出	5毫克/平克
九溴化苯	<b>朱龍測田</b>	5 赛克/干克
十溴化苯	未能测出	5 港克/ 千克
多溴化二苯醌		
澳化二苯醛	未能测出	5 差克/ 千克
二溴化二苯酸	未創測出	5 発克/ 平克
三漢化二苯醚	未能測出	5 建克/ 平克
四溴化二苯醚	未能测出	5 毫克/ 千克
五溴化二苯醌	未離測出	5 毫克/千克
<b>大漠化二苯醛</b>	未能測出	5毫克/平克
と溴化二苯酸	未能测出	5毫克/干克
1.溴化三苯醛 1.溴化三苯醛	未能測出	5 臺克/干克
漢化二苯醛	未能瀕田	5 基克/ 千克
<b>美化一样职</b>	<b>未能测出</b>	5臺克/平克

(以上結果為測試樣品的總重量)

評註:未能測出=低於測試限定

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Ush Dress Avenue 1 (5/F - 8/F & 28/F - 25/F), Metropole Source, 2 On Vita Street, Six Less Young Shorin, N.T., Hong Keng, 6 (052) 2334 4401 | f (852) 2764 3128 | www.hk.sux.com

Jul. 14 2005 14:39



测试报告

No. 8H508981/ CHEM

东莞海榉电流材料厂 东莞市东城区主山着三杞工业区

委托检验的样品及申请者对样品的说明如下:

样品名称

:被領領包領域

SGS 相类等

: SHEC0050203228

英家

:客户

型号

0,40×0,40mm

押品收詢日期 2006-02-23

样品试验问期 . 2005-02-23-2005-02-28

文理超光

- 1) 测定委託样品的概含量
- 2) 测定委托样品的铅含量
- 3) 测定委托掉品的设含量
- 4) 测定委托样品的六价格合置
- 。5) 與京委托得品的多次款苯(PBBs),多混联苯醛(PBBEs/PBDEs)合品

试验方法

· 1) 參照 88 EN 1122:2001 方法 8 就其他做练解。

采用电磁耦合等离子发射光谱液(ICP-A58)进行分析或原子吸收光谱線(AAS)进行分析

2).参照美国环境保护局(US EPA)方被 3050B 或其植酿消解。

采用电池耦合等离子发射光谱法(ICP-AES) 进行分析或基子吸收光谱法(AAS)进行分析

3) 参照 UB EPA 3052 方法或其他整措解。

采用电烙耦合等离子发射光谱涨(ICP-AES) 进行分析

4) 参照 US EPA3060A & US EPA7196A 进行分析

采用紫外分光光度计进符分析

5) 参照 US EPA 8081, 采用 GC/MS 进行分析.

见下一面





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BHCH 224200

# SGS

测试报告

No. SH508981/ CHEM

Date: 2,28,2005

Page 2 of 2

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40,0	ш	213	255

至些	項目	<b>鱼位</b>	" 检测极限值	A
1	緩(Cd)	pprin	2	N.D.
2	船(Pb)	ppm	2	N.O.
3	汞(Hg)	pprn	2	N.D.
4	六价格(Cr VI)	ppm	2	N.D.
7	多溴联聯定量分析	T -		Con State
	一溴联罗	ppm	5.	N.D.
	二溴联举	ppm	- F .235	N.O.
	三複联單	ppm	5 +	N.D.
	四溴基苯	ppm	5	N.D.
	五溴联苯	ppm	5	N.D.
- 8	六溴联苯	ppm	. 5	N.D.
	七溴联苯	ppm -		N.D.
	八溴联苯	ppm	5	N.D.
	九週联苯	ppm	. 5	N.D.
5	十溴联苯	ppm	15	N.D.
-	多溴联苯醚定量分析			
	一溴聚苯醚	ppm	5	N.D.
15.	二後嚴苯醛	ppm	6 .	N.D.
	三溴狀苯酚	ppm	. 6	· N.D.
	四換联苯基	ppm	5	N.D.
	超苯磺真正	ppm	6	N.D.
	六溴联苯醚	ppm	5	N.D.
17	七溴联苯肼	ppm	5	N.D
	八溴联苯醚	ppm	5	N.D.
-	九溴聚氢醛	ppm	5	N.D.
E R	十溴取苯醛 5数4.4 (1) (2) (2) (3)	ррп	5	N.D.

(所示结果为样品总重量中的金量)

學品描述:

A. 银色金属丝

各注: ppm =mg/kg

N.D.=未抢出 (低于检测极规值)

东莞海样。电子材料厂

\*\*\*州生经治\*\*\*

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SHCH 224199



Chemical Laboratory - KAO, SGS Taiwan Ltd.

#### TEST REPORT

SAMPLE RETURN

REPORT NO KA7004/80323 DATE: 2004/11/23 PAGE 1 OF 3

THE FOLLOWING MERCHANDISE WAS(WERE) SUBMITTED AND IDENTIFIED BY THE CLIENT AS:

CUENT

: WALSIN TECHNOLOGY CORPORATION...

PRODUCT DESCRIPTION

; CHIP RESISTOR WRWWWF[0201,0402,0603,0805,1205,1216,2010,2512].

TESTING DATE

: 2004/11/17 TO 2004/11/23.

SAMPLE RECEIVED

: 2004/11/16

WE HAVE TESTED THE SAMPLE(S) SUBMITTED AS REQUESTED AND THE POLLOWING RESULTS WERE

ORTAINED.

TEST (TEM(S)	UNIT	METHOD	DET. LMT	RESULT
ASBESTOS ANALYSIS		HEALTH CANADA-PRODUCT BAFETY BUREAU REFERENCE MANUAL BOOKS- LABORATORY POLICIES AND PROCEDURE(FTIR)	2	ed
CHLORINATED PARAFFINICIO-CL3(	%	AS PER GCMS	10.0	n.d.
CAOMIUM	ppm	ANALYSIS BY ICPLAES WITH ADVANCE TREATMENT EN1122, WETHOO B:2001.	2	n.d.
CHROMIUM VI	ppm	ANALYSIS BY US EPA 7105A WITH ADVANCE TREATMENT US EPA 3000A.	2	nd
FORMALDEHYDE	ppm	DIN 53315 METHOD B (HPLC)	0.2	nd.
MERCURY	ppm	ANALYSIS BY ICP-AES WITH ADVANCE TREATMENT US EPA 3052	2	n.d.
MREX	ppm	AS PER GCIMS	- 4	n.c.
LEAD	ppm	ANALYSIS BY ICPLES WITH ADVANCE TREATMENT US EPA 3050B	2	794
PRGII	76	WITH REFERENCE TO \$3264/ELC. ANALYSIS WAS PERFORMED BY GCIECDMS OR HPLCIDADIMS.	0.0005	n.a.
PROE	35	WITH REFERENCE TO BUXDANIEC. ANALYSIS WAS PERFORMED BY GOJECOMS OR HPLC/DADIMS.	0.0005	nd



George Huany / Supervisor Sign for and on behalf of 935 Taiwan Limited

The Tell Faces is comed by the Company and makes the Company of Secret Strate Strategy and Applica to depart to the State Strategy of Julius Strategy and Applications and Appli

TW1246111

Married of 1000 December



Chemical Laboratory - KAO.,SGS Talwan Ltd.

#### TEST REPORT

### SAMPLE RETURN

REPORT NO KA/2004/80323 PAGE: 2 OF 3

TEST (YEMIS)	- IIMIT	METHOD	DET, LMT	RESULT
CBUPOLYCHLORINATED				
IPHENYLS)	ppm	AS PER GC/ECO/MS	6.5	n.d.
POLYCHLORINATED NAPHTHALENE	ppm	AS PER GOMB	5	n.d.
PENTACHLOROPHENOL	ppm	DIN 53313	0.03	0.0
PCTS(POLYCHLORINATED TORPHENYLS)	ppm	AS PER GO/ECOMS	0.5	ad
PVC FREE TEST	- 101	FTIRIATR AND FLAME TEST		0.0
ORGANOTIN COMPOUNDS				
TRIBUTYLTIN(TBT)	pom	BY USING GOFPO WITH THE PROCEDURE OUTLINE IN DIN 3MOT.	0.03	nd.
TIUPHENYLTIN(TPT)	pom	BY USING OCKED WITH THE PROCEDURE OUTLINE IN DIN 36407.	0.03	n.d.
A20				100
ICAS NO.52-67-11	ppm	LMEG 82 82-2 (BC/MS)	3	n.d.
(CAS NO.5G-8T-5)	ppm	LMBG 82.02-2 IGCM81	- 3	0.0.
\$3.4 CHLORO-O-TOLUIO INII. (CAS NO.95-69-2)	ppm	LMBG 82.02-2 (GCNLS)	3	0.4
ICAS NO 91-59-61	ppm	UM60 82:82-2 (GCMS)	3	n.d.
5) O-AMINO-AZOTOLUENE (CAS NO 97-66-3)	ррт	UVBG 82.00-2 (OCMS)	3	n.d.
6/2 AVINO 4 NITROTOLUENE (CAS NO 99-65-6)	ppm	UNBG 8200-2 (GG/MS)	3	n.d.
7) P-OHLOROANILINE (CAS NO.106-47-8)	ppm	UMBG 82.02-2 (GCMS)	3	n.c.
E)2 4 DIMMINOANISOLE ICAS NO.615-05-4)	ppm	CMSG 82.02-2 (GGMS)	3	0.6.
S(4.4"- DIAMINODIPHENYLMETHANE (CAS NO 101-77-8)	pgm	LMBG 82:02-2 (GCMS)	3	n.d.
10):3,5-CICHLOROBENZIDINE (CAS.NO.91-94-1)	ррт	UVBG (2:03-2 (GC/VS)	3	ad



The Tages is recently the Compate explaints to be considered the recent property of the second property of the consideration of the con

TW1246110

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Market of 901 Trees



Chemical Laboratory - KAO, SGS Talwan Ltd.

#### **TEST REPORT**

SAMPLE RETURN

REPORT NO KA2004/90323 PAGE 3 OF 3

TEST (TEM(S)	UNIT	METHOD	DET, LMT	RESULT
11):3,3- DIMETHOXYBENZIDINE (CAS NO.119-50-4)	рот	(GCMS)	3	n.d.
12) 3.3-DIMETHYLBENZIOINE (CAS NO.119-03-7)	ppm	(3CM2) LNB0 82:02:5	3	n.d.
13/33/QIMETHYLA,45 CIAMINOCIPHENYLMETHANE IGAS NO.635/65/01	ррм	(9CN/8) (9CN/8)	3	- e.d.
(4) P-CRESIONE (CAS NO 120-71-8)	ppm	LMBG 82:02-2 (GCMS)	3	n.d.
16) KINMETHYLENE BIS (2-CHLORANILINE) (CAS NO.101-14-4)	ppm	LM86 82.02-2 (GCMS)	3	nd
16) 4,4-0XYDIANIUNE (CAS NO.101-80-4)	ppm	(OCMS)	3	n.e.
17)4,4'-THIODIANILINE (CAS NO.129-65-1)	ppm	(GCMS)	3	0.6.
(CAS NO.95-53-4)	ppm	LMB0 82/02/2 /GOMS4	3	0.6
19) 2,4-TOLUYLENDIAMINE (CAS NO.95-80-7)	ppm	LMBG 82,02-2 (GCMS)	3	nd.
20) 2.4.5-TRIMETHYLANILINE (CAS NO. 137-17-7)	ppm	LMBG 82.02-2 (GGMS)	3	n.c.
21) 4 JAMINOAZOBENZENE (CAS NO.60-09-3)	ppm	(30M8) LM8G 82:02-2	3	n.d.
22) O-ANISIDINE (CAS ND-90-04-0)	ppm	UMBG 82.02-2 (GCN/S)	3	n.d.

NOTE I n.d. = not detected.

KENDY



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#### The following merchandise was (were) submitted and identified by the client as :

Type of Product

: MLCC 0805

Sample Received

: 2005/01/14

Testing Date

2005/01/14 TO 2005/01/21

Test Result : -

- Please see the next page -

Daniel Yeh, M.R. Operation Manager Signed for and on behalf of SGS TAIWAN LTD.

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#### Test Result

PART NAME NO.1

MIXED ALL PARTS (PLEASE REFER TO THE PHOTO ATTACHED)

			MINT	Result
Test Item (s):	Unit	Method	MDL	No.1
Asbestos				
Anthrophyllite(CAS NO.017068-78-9)	**	As per NIOSH 9000 method. Analysis was performed by XRD.	-	Negative
Crocodolite(CAS NO.012001- 28-4)	**	As per NIOSH 9000 method. Analysis was performed by XRD.	-5	Negative
Amosite(CAS NO.012172-73- 5)	**	As per NIOSH 9000 method. Analysis was performed by XRD.	-	Negative
Tremolite(CAS NO.014567- 73-8)	**	As per NIOSH 9000 method. Analysis was performed by XRD.		Negative
Chrysotile(CAS NO.012001- 29-5)	**	As per NIOSH 9000 method. Analysis was performed by XRD.	7	Negative
Actinolite(CAS NO.013768- 00-8)	**	As per NIOSH 9000 method. Analysis was performed by XRD.		Negative

Test Item (s):			MIDI	Result
	Unit	Method	MDL	No.1
AZO		As per LMBG 8202-2		
4-AMINODIPHENYL (CAS NO.92-67-1)	ppm	Analysis was performed by GC/MS.	3	N.D.
BENZIDINE (CAS NO.92- 87-5)	ppm	Analysis was performed by GC/MS.	3	N.D.



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m at There del			MDL	Result	
Test Item (s):	Unit	Method	MDL	No.1	
4-CHLORO-O-TOLUIDINE (CAS NO.95-69-2)	ppm	Analysis was performed by GC/MS.	3	N.D.	
2-NAPHTHYLAMINE (CAS NO.91-59-8)	ppm	Analysis was performed by GC/MS.	3	N.D.	
O-AMINOAZOTOLUENE (CAS NO.97-56-3)	ppm	Analysis was performed by GC/MS.	3	N.D.	
2-AMINO-4-NITROTOLUENE (CAS NO.99-55-8)	ppm	Analysis was performed by GC/MS.	3	N.D.	
P-CHLOROANILINE (CAS NO.106-47-8)	ppm	Analysis was performed by GC/MS.	3	N.D.	
2,4-DIAMINOANISOLE (CAS NO.615-05-4)	ppm	Analysis was performed by GC/MS.	3	N.D.	
4,4- DIAMINODIPHENYLMETHA NE (CAS NO.101-77-9)	ppm	Analysis was performed by GC/MS.	3	N.D.	
3,3-DICHLOROBENZIDINE (CAS NO.91-94-1)	ppm	Analysis was performed by GC/MS.	3	N.D.	
3,3-DIMETHOXYBENZIDINE (CAS NO.119-90-4)	ppm	Analysis was performed by GC/MS.	3	N.D.	
3,3-DIMETHYLBENZIDINE (CAS NO.119-93-7)	ppm	Analysis was performed by GC/MS.	3	N.D.	
3,3-DIMETHYL-4,4- DIAMINODIPHENYLMETHA NE (CAS NO.838-88-0)	ppm	Analysis was performed by GC/MS.	3	N.D.	
P-CRESIDINE(2-METHOXY- 5-METHYLANILINE) (CAS NO.120-71-8)	ppm	Analysis was performed by GC/MS.	3	N.D.	
4,4-METHYLENE-BIS-(2- CHLORANILINE) (CAS NO.101-14-4)	ppm	Analysis was performed by GC/MS.	3	N.D.	
4,4-OXYDIANILINE (CAS NO.101-80-4)	ppm	Analysis was performed by GC/MS.	3	N.D.	
4,4-THIODIANILINE (CAS NO.139-65-1)	ppm	Analysis was performed by GC/MS.	3	N.D.	



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	W-16	Nr. u	MINT	Result
Test Item (s):	Unit	Unit Method	MDL	No.1
O-TOLUIDINE (CAS NO.95- 53-4)	ppm	Analysis was performed by GC/MS.	3	N.D.
2,4-TOLUYLENDIAMINE (CAS NO.95-80-7)	ppm	Analysis was performed by GC/MS.	3	N.D.
2,4,5-TRIMETHYLANILINE (CAS NO.137-17-7)	ppm	Analysis was performed by GC/MS.	3	N.D.
O-ANISIDINE (CAS NO.90- 04-0)	ppm	Analysis was performed by GC/MS.	3	N.D.
P-AMINOAZOBENZENE (CAS NO.60-09-3)	ppm	Analysis was performed by GC/MS.	3	N.D.

Don't Years John	TT - 14	Method	MDL	Result
Test Item (s):	Unit	Method		No.1
CFC's(Chlorofluorocarbons)		With reference to US EPA 8260.		
Group I				
Chlorofluorocarbon-11(CAS No:000075-69-4)	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.
Chlorofluorocarbon-12(CAS No:000075-71-8)	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.
Chlorofluorocarbon-113(CAS No:000076-13-1)	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.
Chlorofluorocarbon-114(CAS No:000076-14-2)	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.
Chlorofluorocarbon-115(CAS No:000076-15-3)	ppm	Analysis was performed by GC/MS. [CPC's (Chlorofluorocarbons)]	1	N.D.
Group III				
Chlorofluorocarbon-13(CAS No:000075-72-9)	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.



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T	Residents.	24-0		Result
Test Item (s):	Unit	Method	MDL	No.1
Chlorofluorocarbon-111(CAS No:000354-56-3)	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.
Chlorofluorocarbon-112(CAS No:000076-12-0)	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.
Chlorofluorocarbon-211(CAS No:135401-87-5)	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.
Chlorofluorocarbon-212(CAS No:076564-99-3)	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.
Chlorofluorocarbon-213(CAS No:060285-54-3)	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.
Chlorofluorocarbon-214(CAS No:002268-46-4)	ррш	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.
Chlorofluorocarbon-215(CAS No:000076-17-5)	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.
Chlorofluorocarbon-216(CAS No:001652-80-8)	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.
Chlorofluorocarbon-217(CAS No:000422-86-6)	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.

Test Item (s):	TT - 14	Trut-d	MDL	Result No.1
	Unit	Method		
Chlorinated Paraffin (C10-C13) (CAS NO:010871- 26-2)	%	Analysis was performed by GC/MS.	0.01	N.D.



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Test Item (s):		Unit Method	MDL	Result
	Unit			No.1
Formaldehyde(CAS No:000050-00-0)	ppm	With reference to DIN 53315 & USEPA 8315A. Analysis was performed by HPLC/DAD/MS	0.2	N.D.

Test Item (s):			2577	Result
	Unit	Unit Method	MDL	No.1
Halon		With reference to US EPA 8260.		
Halon-1211	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.
Halon-1301	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.
Halon-2402	ppm	Analysis was performed by GC/MS. [CFC's (Chlorofluorocarbons)]	1	N.D.

Test Item (s):	***	Trut-i	RETAI	Result
	Unit	Unit Method	MDL	No.1
HCFC's(Hydrogenated chlorofluorocarbons)		With reference to US EPA 8260.		
Hydrochlorofluorocarbon- 21(CAS No.:000075-43-4)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.
Hydrochlorofluorocerbon- 22(CAS No.:000075-45-6)	ppm	Analysis was performed by GC/MS. [HCPC's (Hydrogenated chlorofluorocarbons)]	1	N.D.
Hydrochlorofluorocarbon- 31(CAS No.:000593-70-4)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.



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The state of the s			TEDT	Result	
Test Item (s):	Unit	Method	MDL	No.1	
Hydrochlorofluorocarbon- 12 1(CAS No.:000354-14-3)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	
Hydrochlorofluorocarbon- 122(CAS No.:000354-21-2)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1.	N.D.	
Hydrochlorofluorocarbon- 123(CAS No.:000306-83-1)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	
Hydrochlorofluorocarbon- 124(CAS No.:002837-89-0)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	
Hydrochlorofluorocarbon- 131(CAS No.:000359-28-4)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	
Hydrochlorofluorocarbon- 131b(CAS No.:000471-43-2)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	
Hydrochlorofluorocarbon- 133a(CAS No.:000075-88-7)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	
Hydrochlorofluorocarbon- 141b(CAS No.:001717-00-6)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	
Hydrochlorofluorocarbon- 22 1	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.	



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m Th ( )	**-1-	Wasterd	MDL	Result
Test Item (s):	Unit	Method	MDL	No.1
Hydrochlorofluorocarbon- 222(CAS No.:000422-30-0)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.
Hydrochlorofluorocarbon- 223	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.
Hydrochlorofluorocarbon- 224	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.
Hydrochlorofluorocarbon- 225ca(CAS No.:000422-56- 0)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.
Hydrochlorofluorocarbon- 225cb(CAS No.:000507-55- 1)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.
Hydrochlorofluorocarbon- 226(CAS No.:000431-87-8)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.
Hydrochlorofluorocarbon- 231	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.
Hydrochlorofluorocarbon- 232	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.
Hydrochlorofluorocarbon- 233	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.



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- V				Result
Test Item (s):	Unit	Method	MDL	No.1
Hydrochlorofluorocarbon- 234	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.
Hydrochlorofluorocarbon- 235(CAS No.:013838-16-9)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.
Hydrochlorofluorocarbon- 241	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.
Hydrochlorofluorocarbon- 242	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.
Hydrochlorofluorocarbon- 243(CAS No.:000338-75-0)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.
Hydrochlorofluorocarbon- 244	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.
Hydrochlorofluorocarbon- 251	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.
Hydrochlorofluorocarbon- 252	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogen sted chlorofluorocarbons)]	1	N.D.
Hydrochlorofluorocarbon- 253(CAS No.:000354-06-1)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.



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Test Item (s):		No. of the last of	TENT	Result
	Unit	Method	MDL	No.1
Hydrochlorofluorocarbon- 261(CAS No.:000420-97-3)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.
Hydrochlorofluorocarbon- 262(CAS No.:000420-97-3)	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.
Hydrochlorofluorocarbon- 271	ppm	Analysis was performed by GC/MS. [HCFC's (Hydrogenated chlorofluorocarbons)]	1	N.D.

20 Sept 20 Sep			TERM	Result
Test Item (s):	Unit	Method	MDL	No.1
Mirex(CAS NO:002385-85-5)	ppm	Analysis was performed by GC/MS.	4	N.D.

	200		· · · ·	Result
Test Item (s):	Unit	Method	MDL	No.1
1,1,1-trichoroethane	ppm	With reference to US EPA 8260. Analysis was performed by GC/MS.	1	N.D.

Test Item (s):	*****	Wathard	MAN	Result
	Unit	Method	MDL	No.1
Organic-tin coumpounds				
Triphenyl Tin(TPT)(CAS NO:000668-34-8)	ppm	With reference to 83/677/EEC & DIN 38407. Analysis was performed by GC/FPD.	0.03	N.D.
Tributyl Tin(TBT)	ppm	With reference to 83/677/EEC & DIN 38407. Analysis was performed by GC/FPD.	0.03	N.D.



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	77-14	Maked	MINT	Result
Test Item (s):	Unit	Method	MDL	No.1
Carbon tetrachloride	ppm	With reference to US EPA 8260. Analysis was performed by GC/MS/HEADSPACE.	1	N.D.

		2000		Result
Test Item (s):	Unit Method	MDL	No.1	
PCBs(Polychlorinated Biphenyls)(CAS NO:001336- 36-3)	ppm	With reference to USEPA 8082A. Analysis was performed by GC/ECD/MS.	0.5	N.D.

# ************************************			MDL	Result
Test Item (s):	Unit	Method	MDL	No.1
Polychlorinated Naphthalene	ppm	With reference to USEPA 808 lB. Analysis was performed by GC/MS.	5	N.D.

	W-1-	77.11.1	REDY	Result
Test Item (s):	Unit	Method	MDL	No.1
PCTs(Polychlorinated Terphenyls)	ppm	Analysis was performed by GC/ECD/MS.	0.5	N.D.

- 1			TENT	Result
Test Item (s):	Unit	Method	MDL	No.1
PVC free(CAS No:9002-86-2)	**	Analysis was performed by FTIR/ATR and Pyro-GC/MS.		Negative



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Test Item (s):	Unit	Method	MDL	Result
rest item (s).	- OHIL	меснои	MDD	No.1
Halogen		As per EN14582 method B.		
Halogen-Chlorine (Cl)(CAS No:007782-50-5)	ppm	Filling the oxygen and absorb solution in the flask and take sample in the flask and burn it, the absorb solution was analyzed by IC method.	50	540.0
Halogen-Fluorine (F)(CAS No:007782-41-4)	ppm	Filling the oxygen and absorb solution in the flask and take sample in the flask and burn it, the absorb solution was analyzed by IC method.	50	N.D.
Halogen-Bromine (Br)(CAS No:007726-95-6)	ppm	Filling the oxygen and absorb solution in the flask and take sample in the flask and burn it, the absorb solution was analyzed by IC method.	50	N.D.
Halogen-Iodine (I)(CAS No:007553-56-2)	ppm	Filling the oxygen and absorb solution in the flask and take sample in the flask and burn it, analyzed by ICP.	50	N.D.

- NOTE: (1) N.D. = Not detected (<MDL)
  - (2) ppm = mg/kg
  - (3) MDL = Method Detection Limit
  - (4) " --- " = Not Applicable
  - (5) " " = No Regulation
  - (6) \* = Results shown are of the adjusted analytical results
  - (7) \*\* = Qualitative analysis (No Unit)
  - (8) Negative = Undetectable / Positive = Detectable



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TSUEN JYI PLASTIC CO., LTD. SECOND INDUSTRIAL PARK JIANGBEI VILLAGE, WUSHA PRECINCT, CHANGAN TOWN, DONGGUAN CITY. GUANGDONG PROVINCE, P.R.CHINA

Repair on the subnoted sample said to be. APS

SGS Ref No.

GZ050505871EC-9.6

Buyer

SONY

Sample Receiving Date

MAY 27, 2005

Testing Period

MAY 27, 2005 TO JUN 02, 2005

Test Requested

(1) As specified by client, to deter nine the Lead, Cadmium, Mercury & Hexavalent Chromium content in the submitted sample.

(2) Determination of PBBs (polybrominated biphenyls), PBDEs (Polybrominated diphenylethers) of the submitted sample.

Test method

(1) Cadmium content: With reference to BS EN 1122:2001 Method B see flowchart (1).

Lead content : Ashing after wet de composition see flowchart (2) .

Mercury content - With (eference to EPA 3052), 1996,

Hexavalent Chromium content - vith reference to EPA 3060A: 1996 & EPA 7196A: 1992 .
Analysis was performed by Atomic Absorption Spectrometer and Inductively Coupled Plasma

Atomic Emission Spectrometer (IC P-AES) / UV-VIS Spectrophotometer.

(2) With reference to SGS in-house method. Analysis was performed by GC/MS.

Results

Please refer to next page.

Signed for and on penalt of SGS-CSTC Ltd.

He/Xiaoyan, Jane Tech. Manager

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Results

(1)

Lead Content (Pb)
Cadmium Content (Cd)
Marcury Content (Hu)
Hexavalent Chromium Content (Cr(VI))

Note: - N.D. = Not Detected (< 2 ppm) - ppm = mg/kg

(2)

Dk-grey	plastic	sheet
---------	---------	-------

N.D.

N.D.

N.D.

	<	
	1	
(0)		11
in a land a star of	- 11	

Flame Retardants Polyhrominated Biphenyls (PBBs)	<del></del>	Dk-grey plastic sheet	Detection Limit (ppm)
Monopromobiphenyl /			
Dibromohinhenyl		\ N.D. \	5
Libramohiphagyi		N.O.	5
Tetrabromobiphenyi	1	N.D.	5
Pentabromobiphenyi	1	N.D.	5
Hexabramobiphery!		/ N.D.	5
Heptabromobiphenyi \		N.D.	5
	- T-	N.D.	5
Octabromobiphenyl		N.D.	5
Vonabromodipheny/		N.D.	5
Decabromodiphenyi		N.D.	5
Polybrominated Diphenylether (PBDEs	)		
^onobromodiphenyl ether		N.D.	5
Dibromodiphenyl ether		N.D.	5
ribromodiphenyl ether		N.D.	5
etrabromodiphenyl ether		N.D.	5
entabromodiphenyl ether		N.D.	5
texabromodiphenyl ether		N.D.	5
leptabromodiphenyi ather	4 5 11	N.D.	
ctabromodiphenyl ether		N.D.	5
lonabromodiphenyl ether	10.00	N.D.	5
ecabromodiphenyl ether		N.D.	5

Note: N.D. = Not Detected (< 5 ppm)
- ppm = ma/kg

\*\*\* End of Report \*\*\*

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No.: GZSCR050533114/LP

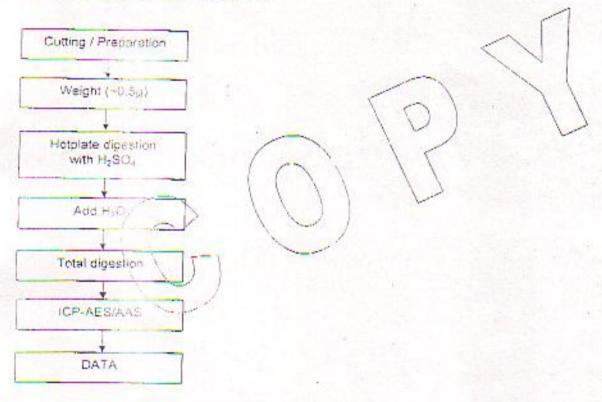
Date: JUN 02, 2005

Page 3 of 4

#### ATTACHMENTS.

(1)

Flow chart of digeration (Cadmium content).



The samples were dissolved totally by pre-conditioning method according to above flow chart.

Operator

: Sams Deng

Leader

Joe Li

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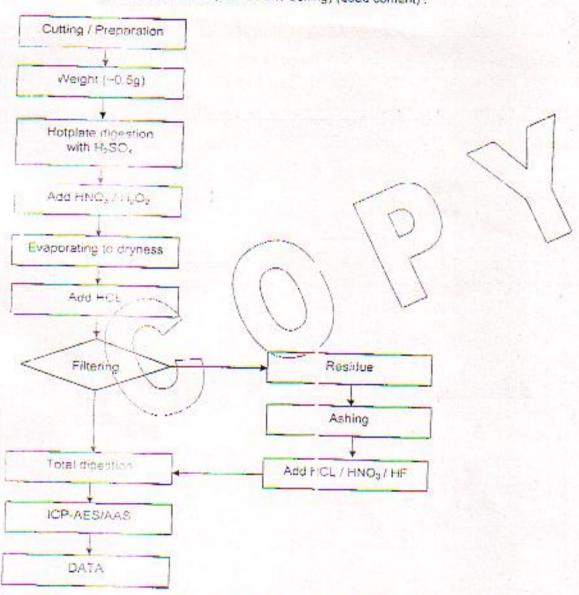


No.: GZSCR050533114/LP

Date: JUN 02, 2005

Page 4 of 4

Flow chan of digestion (wet decomposition and ashing) (Lead content):



The samples were dissolved totally by pre-conditioning method according to above flow chart.

Operator

: Vincent Li-

Leader

Adams Yu

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GZCM 263232

and Substitute Committee to buy

165 CSSC Sandarys Tackness Schools Co. 10 455 Bears 5.76 Amplications (Park Line Sensitive Conf. on Park Francis Conf. C 中國子 州 美国区东闽路村员山路稻年 业积八栋的楼 修编:510060 1185 28182168330 1185-20182165556 e wys-china@sys une.



No.: GZSCR050533114/LP

Date: JUN 02, 2005

Page 1 of 4

TSUEN JYI PLASTIC CO., LTD. SECOND INDUSTRIAL PARK JIANGBEI VILLAGE, WUSHA PRECINCT, CHANGAN TOWN, DONGGUAN CITY. GUANGDONG PROVINCE, P.R.CHINA

Repair on the subnoted sample said to be. APS

SGS Ref No.

GZ050505871EC-9.6

Buyer

SONY

Sample Receiving Date

MAY 27, 2005

Testing Period

MAY 27, 2005 TO JUN 02, 2005

Test Requested

(1) As specified by client, to deter nine the Lead, Cadmium, Mercury & Hexavalent Chromium content in the submitted sample.

(2) Determination of PBBs (polybrominated biphenyls), PBDEs (Polybrominated diphenylethers) of the submitted sample.

Test method

(1) Cadmium content: With reference to BS EN 1122:2001 Method B see flowchart (1).

Lead content : Ashing after wet de composition see flowchart (2) .

Mercury content - With (eference to EPA 3052), 1996,

Hexavalent Chromium content - vith reference to EPA 3060A: 1996 & EPA 7196A: 1992 .
Analysis was performed by Atomic Absorption Spectrometer and Inductively Coupled Plasma

Atomic Emission Spectrometer (IC P-AES) / UV-VIS Spectrophotometer.

(2) With reference to SGS in-house method. Analysis was performed by GC/MS.

Results

Please refer to next page.

Signed for and on penalt of SGS-CSTC Ltd.

He/Xiaoyan, Jane Tech. Manager

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久禾紙器業股份有限公司 報告號碼: CE/2004/C1594

\*508 彰化縣和美鎮嘉黎里東原路211巷196號 日期 : 2004/12/16

> 頁數 : 1 of 3

#### 以下測試樣品乃供應廠商所提供及確認:

樣品名稱 彩盒

收件日期 2004/12/09.

2004/12/09 TO 2004/12/16

測試結果 : - 請見下一頁 -

gned for and on behalf of SGS TAIWAN LTD.



久禾紙器業股份有限公司

\*508 彰化縣和美鎮嘉黎里東原路211巷196號

報告號碼: CE/2004/C1594

日期 : 2004/12/16

頁數 : 2 of 3

#### 測試結果

測試部位 NO.1 白色紙盒有藍,灰,白色印刷(請參照附件圖片)

通過

測試項目:	單位	測試方法	偵測極		綽	<del></del>	法規
			限值	NO.1			限值
94/62/EEC							
鎘	ppm	依照 EN1122 方法B:2001或 其他酸消化方法,用感應藕 合電漿原子發射光譜儀 (ICP-AES)做分析	2	N.D.			-
鉛	ppm	依照 US EPA 3050B 方法或 其他酸消化方法,用感應藕 合電漿原子發射光譜儀 (ICP-AES)做分析	2	N.D.			-
汞	ppm	依照 US EPA 3052 方法或 其他酸消化方法,用感應藕 合電漿原子發射光譜儀 (ICP-AES)做分析	2	N.D.			-
六價鉻	ppm	依照US EPA 7196A及3060A 方法	2	N.D.			-
六價鉻+鉛+鎘+汞	ppm	六價鉻+鉛+鎘+汞總和 (94/62/EEC)	-	N.D.			100

備註:(1) N.D. = Not detected.(<MDL) / 未檢出(低於偵測極限值)

- (2) ppm = mg/kg / 百萬分之一
- (3) MDL= Method Detection Limit(偵測極限值)
- (4) " -" = Not Regulation / 無規格值



久禾紙器業股份有限公司

\*508 彰化縣和美鎮嘉黎里東原路211巷196號

報告號碼: CE/2004/C1594

日期 : 2004/12/16

頁數 : 3 of 3





CHIA CHERNE INDUSTRY CO., LTD.

Report No. : CE/2004/82170

NO. 55, ALLEY 121, LANE 175, KOUSHENG RD.,

: 2004/08/26

CHANGHUA CITY, TAIWAN

Date Page

: 1 of 1

#### The following merchandise was (were) submitted and identified by the client as:

Type of Product

: FAN LABEL

Sample Received

: 2004/08/17

Testing Date

2004/08/17 TO 2004/08/26

#### **Test Result**

PART NAME NO.1

: SILVER STICKER WITH MULTICOLORED PRINTED

					Result	
Test Item (s):	Unit	Method	MDL	No.1		
Chromium VI (Cr+6)	ppm	As per US EPA 7196A and US EPA 3060A.	2	N.D.		
Cadmium (Cd)	ppm	ICP-AES after as per EN 1122, method B:2001 or other acid digestion.		N.D.		
Mercury (Hg)	ppm	ICP-AES after as per US EPA 3052 or other acid digestion.	2	N.D.		
Lead (Pb)	ppm	ICP-AES after as per US EPA 3050B or other acid digestion.		N.D.		

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

h, M.R. Operation Manager igned for and on behalf of SGS TAIWAN LTD.

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TW 1034829

## 光輪工業股份有限公司

Lai Advance Industry Co., Ltd.

No. 46-4, Chiahsi 2 lane, Chiahsi Tsun, Tatsun Hsiang. Changhua Hsien, Taiwan R.O.C.

Tel: 04-852-2060 Fax: 04-852-4160 c-mail: eps@laiadvance.com.tw

### EPE 舒美布材質證明書

材 低密度聚乙烯塑膠粒

滑石粉(成核劑)

發泡劑(丁烷)

硬脂酸鈣(安定劑)

質

防收縮劑







光輪工業股份有限公司

\*515彰化縣大村鄉加錫村二卷16-4號

報告號碼: CE/2005/76060A

日期 : 2005/08/04

頁数 : 1 of 8

以下測試樣品乃供應廠商所提供及確認:

樣品名稱

: 聚乙烯發泡板

收件日期.

2005/07/28.

測試日期

2005/07/28 TO 2005/08/04

測試結果

- 請見下一頁 -

Darlier Yen, M.R. / Operation Manager Signed for and on behalf of SGS TAIWAN LTD.

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TW 2156326



光輪工業股份有限公司 \*515彰化縣大村鄉加錫村二卷46-4號

報告號碼: CE/2005/76060A

日期 : 2005/08/04

頁数 : 2 of 8

#### 測試結果

測試部位 NO.1

白色泡棉(請參照附件图片)

测试项目:	單位	測試方法	值测極限值	结果
	71	11474	THE WASTERNEY	No.1
石棉				
斜方角閃石(CAS NO.017058- 78-9)	#2	冬考 NIOSII 9000 / X光绕射定性 分析法(XRD)	-	Negative
青石棉(CAS NO.012001-28-4)	**	參考 NIOSII 9000 / X光绕射定性 分析法(XRD)		Negative
棕石棉(CAS NO.012172-73-5)	**	參考 NIOSH 9000 / X光统射定性 分析法(XRD)	-	Negative
透閃石(CAS NO.014567-73-8)	**	参考 NIOSH 9000 / X光绕射定性 分析法(XRD)	1-1-	Negative
白石棉(CAS NO.012001-29-5)	**	參考 NIOSH 9000 / X光鏡射定性 分析法(XRD)	-	Negative
陽起石(CAS NO.013768-00-8)	4.	參考 NIOSH 9000 / X光绕射定性 分析法(XRD)	-	Negative

测试项目:	單位	测试方法	<b>偵測極</b> 限值	結果
	7-12	(4) 成为 左	很利益以此	NO.1
CFC		以氣相層析質語儀(GC/MS)检測- (CFCs)定量分析		
Group I				
Chlorofluorocarbon-11(CAS No:000075-69-4)	ррm	以氣相層析質譜儀(GC/MS)檢測- (CFCs)定量分析	1	N.D.
Chlorofluorocarbon-12(CAS No:000075-71-8)	ppm	以氣相層析質譜儀(GC/MS)檢測- (CPCs)定量分析	1	N.D.
Chlorofluorocarbon-113(CAS No:000076-13-1)	ppm	以氣相層析質譜儀(GC/MS)檢測- (CFCs)定量分析	1	N.D.
Chlorofluorocarbon-114(CAS No:000076-14-2)	. Ppm	以氣相層析質譜儀(GC/MS)檢測- (CFCs)定量分析	1	N.D.
Chlorofluorocarbon-115(CAS No:000076-15-3)	PPm	以氣相層析質譜儀(GC/MS)檢測- (CFCs)定量分析	1	N.D.
Group III				
Chlorofluorocarbon-13(CAS No:000075-72-9)	ppm	以氣相層析質譜儀(GC/MS)检测- (CFCs)定量分析	1	N.D.
Chlorofluorocarbon-111(CAS No:000354-56-3)	ррт	以氣相層析質譜儀(GC/MS)檢測- (CFCs)定量分析	1	N.D.



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\*515彰化縣大村鄉加錫村二卷46-4號

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日期

: 2005/08/04

頁数

8 ·10 E:

测试项目:	單位	測試方法	伯测極限值	结果
m			THE PARTY OF THE P	NO.1
Chloro[luorocarbon=112(CAS No:000075-12-0)	ppm	以氣相唇析質譜儀(CC/MS)檢測- (CFCs)定量分析	1	N.D.
Chiorofiuorocarbon-211(CAS No:135401-87-5)	P Pm	以氣相磨析質譜儀(GC/MS)检測- (CFCs)定量分析	1	N.D.
Chlorofluorocarbon-212(CAS No: 076564-99-3)	ррm	以氣相層析質譜儀(GC/MS)檢測- (CFCs)定量分析	1	N.D.
Chlorofluorocarbon-213(CAS No:060285-54-3)	bbw	以氣相層新質譜儀(GC/MS)檢測- (CFCs)定量分析	1	N.D.
Chlorofluorocarbon-214(CAS No:002258-46-4)	ЬЬш	以氣相層析質譜儀(GC/MS)检測- (CFCs)定量分析	1	N.D.
Chlorofluorocarbon-215(CAS No:000076-17-5)	ppm	以氣相層析質譜儀(GC/MS)检測- (CFCs)定量分析	1	N.D.
Chlorofluorocarbon-216(CAS No:001652-80-8)	ppm	以氣相層析質譜儀(GC/MS)检測- (CFCs)定量分析	1	N.D.
Chlorofluorocarbon-217(CAS No:000422-85-6)	ppm	以氣相層析質譜儀(GC/MS)檢測- (CFCs)定量分析	1	N.D.

测线项目:	單位	测武方法	負測極限值	结果
			Of with Daily Mr.	NO.1
海彪(Halons)		多考US EPA 8260方法		
Halon-1211	ppm	参考US EPA 8260方法,以頂空氣	1	N.D.
		體捕捉裝置,連接氣相層析質譜	, i	1
		(GC/MS)检测(CFCs)定量分析		
Halon-1301	ppm	多考US EPA 8260方法,以頂空氣	1	N.D.
		體補捉裝置, 連接氣相唇析質譜	- 1	ш.
		(GC/MS)检测(CFCs)定量分析	1	
Halon-2402	ppm	参考US EPA 8260方法,以頂空氣	1	N.D.
	ł	體捕捉裝置,連接氣相層析質落	- 1	.w.D.
	1	(GC/MS)检测(CFCs)定量分析		

测试项目: 吳氧危氧物ODCs(HCFCs)定量分	單位	测弦方法	值測極限值	结果
		四人的	NO.1	
析		多考US EPA 8260方法		
Hydrochlorofluorocarbon- 21(CAS No.:000075-43-4)	ppm	以氣相層析質譜儀(GC/MS)检測- (HCFCs)定量分析	1 .	N.D.
Hydrochlorofluorocarbon- 22(CAS No.:000075-45-6)	ppm	以氣相層析質譜儀(GC/MS)檢測- (IICFCs)定量分析	1	N.D.

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\*515彰化縣大村鄉加錫村二卷46-4號

報告號碼: CE/2005/76060A

日期 : 2005/08/04

頁数 : 4 of 8

测试項目:	<b>單位</b>	测试方法	<b>偵測極限值</b>	結果	
7777		1100012	以利益区區	NO.1	
Hydrochlorofluorocarbon- 31(CAS No.:000593-70-4)	PPm	以氣相層析質譜儀(GC/MS)检測- (HCFCs)定量分析	1	N.D.	
Hydrochlorofluorocarbon- 121(CAS No.:000354-14-3)	mqq	以氣和層析質譜儀(GC/MS)檢測- (HCFCs)定量分析	1	N.D.	
Hydrochlorofluorocarbon- 122(CAS No.:000354-21-2)	ррm	以氣相層析質譜儀(GC/MS)檢測- (IICFCs)定量分析	1	N.D.	
Hydrochlorofluorocarbon- 123(CAS No.:000306-83-1)	ppm	以氣相層析質譜儀(GC/MS)檢測- (HCFCs)定量分析	1	N.D.	
Hydrochlorofluorocarbon- 124(CAS No.:002837-89-0)	Ppm	以氣相層析質譜儀(GC/MS)檢測- (HCFCs)定量分析	1	N.D.	
Hydrochlorofluorocarbon- 131(CAS No.:000359-28-4)	ррm	以氣相層析質譜儀(GC/MS)檢測- (HCFCs)定量分析	1 .	N.D.	
Hydrochlorofluorocarbon- 131b(CAS No.:000471-43-2)	ppm	以氣相層析質譜儀(GC/MS)檢測- (HCFCs)定量分析	1	N.D.	
Nydrochlorofluorocarbon- 133a(CAS No.:000075-88-7)	PPm	以氣相層析質譜儀(GC/MS)检測- (IICFCs)定量分析	1	N.D.	
Hydrochlorofluorocarbon- 141b(CAS No.:001717-00-6)	РРm	以氣相層析質譜儀(GC/MS)檢測- (HCFCs)定量分析	1	N.D.	
Hydrochlorofluorocarbon-221	PPm	以氣相層析質譜儀(GC/MS)檢測- (HCFCs)定量分析	1	N.D.	
Hydrochlorofluorocarbon- 222(CAS No.:000422-30-0)	PPm	以氣相唇析質譜儀(GC/MS)检測- (HCFCs)定量分析	1	N.D.	
Hydrochlorofluorocarbon-223	· ppm	以氣相層析質譜儀(GC/MS)檢測- (HCFCs)定量分析	1	N.D.	
Hydrochlorofluorocarbon-224	PPm	以氣相層析質譜儀(GC/MS)檢測- (HCFCs)定量分析	1	N.D.	
Hydrochlorofluorocarbon- 225ca(CAS No.:000422-56-0)	PPm	以氣相層析質譜儀(GC/MS)檢測- (HCFCs)定量分析	1 _	N.D.	
Hydrochlorofluorocarbon- 225cb(CAS No.:000507-55-1)	ppm	以氣相層析質譜儀(GC/MS)檢測- (HCFCs)定量分析	1	N.D.	
Hydrochlorofluorocarbon- 226(CAS No.:000431-87-8)	PPm	以氣相層析質譜儀(GC/MS)檢測- (HCFCs)定量分析	1	N.D.	
lydrochlorofluorocarbon-231	ppm	以氣相層析質譜像(GC/MS)檢測- (HCFCs)定量分析	1 .	N.D.	
Hydrochlorofluorocarbon-232	PPm	以氣相層析質譜儀(GC/MS)检測- (HCFCs)定量分析	1	N.D.	

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TW 2156323

SGS Tolwan Ltd. No. 33 Wu Chyuan fluod. Wuku Industrial Zone, Tsipei County, Taiwan. /台北縣五股工業區五程路33號台灣檢歐科技股份有限公司 ± (BBG-2) 2299-3939 f (886-2) 2299-3237 www.tw.sys.com Member of SRS Group



光輪工業股份有限公司

\*515彰化縣大村鄉加錫村二卷46-4號

報告號碼: CE/2005/76060A

日期 : 2005/08/04

頁数 : 5 of.8

测试项目:	<b>單位</b>	测试方法	<b>偵測極限值</b>	結果
मा अन्ति ।	+12	闹気万法	设测程区值	NO.1
Hydrochlorofluorocarbon-233	ppm	以氣相層析質譜儀(GC/MS)检測- (IICFCs)定量分析	1	N.D.
Hydrochlorofluorocarbon-234	ppm	以氣相層析質譜儀(GC/MS)檢測- (HCPCs)定量分析	1	N.D.
Hydrochlorofluorocarbon- 235(CAS No.:013838-16-9)	ppm	以氣相層析質譜儀(GC/MS)检測- (HCFCs)定量分析	)	N.D.
Hydrochlorofluorocarbon-241	ppm	以氣相層析質譜儀(GC/MS)檢測- (HCFCs)定量分析	1	N.D.
Hydrochlorofluorocarbon-242	ppm	以氣相層析質譜儀(GC/MS)檢測- (HCFCs)定量分析	1	N.D.
Hydrochlorofluorocarbon- 243(CAS No.:000338-75-0)	PPm	以氣相層析質譜儀(GC/MS)檢測- (HCFCs)定量分析	1	N.D.
Hydrochlorofluorocarbon-244	ppm	以氣相層析質譜儀(GC/MS)檢測- (HCFCs)定量分析	1	N.D.
Hydrochlorofluorocarbon-251	ppm	以氣相層析質譜儀(GC/MS)檢測- (HCFCs)定量分析	1	N.D.
Hydrochlorofluorocarbon-252	PPm	以氣相層析質譜儀(GC/MS)检測- (IICFCs)定量分析	1	N.D.
Ilydrochlorofluorocarbon- 253(CAS No.:000354-06-1)	ppm	以氣相磨析質譜儀(CC/MS)檢測- (HCPCs)定量分析	1	N.D.
Hydrochlorofluorocarbon- 261(CAS No.:000420-97-3)	ppm	以氣相層析質譜儀(GC/MS)檢測- (HCFCs)定量分析	1	N.D.
Hydrochlorofluorocarbon- 262(CAS No.:000420-97-3)	ррm	以氣相層析質譜儀(GC/MS)檢測- (HCFCs)定並分析	1	N.D.
Hydrochlorofluorocarbon-271	PPm	以氣相層析質譜儀(GC/MS)檢測- (HCFCs)定量分析	1	N.D.



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测试项目:	平位	测试方法	<b>偵測極限值</b>	結果
	T	HAZZA	DE 1-1475 IN THE	NO.1
一溴哪苯	%		0.0005	N.D.
二溴聯苯	%		0.0005	N.D.
三溴聯苯	%	本測試參考USEPA3510C 或	0.0005	N.D.
四溴聯苯	%	USEPA3550C方法,以氣相層析儀/	0.0005	N.D.
五溴聯苯	%	受	0.0005	N.D.
六溴哪苯	%		0.0005	N.D.
七溴哪苯	%		0.0005	N.D.
入溴聯苯	%		0.0005	N.D.
九溴聯苯	%		0.0005	N.D.
十溴聯苯	%		0.0005	N.D.
總多溴聯苯(PBBs)/以上總和	%			N.D.
一溴哪苯醚	%		0.0005	N.D.
二溴聯苯醚	%		0.0005	N.D.
三溴聯苯醚	%		0.0005	N.D.
四溴聯苯醚	%	本测试参考USEPA3540C 或	0.0005	N.D.
五溴聯苯醚	%	本測試參考USEPA3540C 或 USEPA3550C方法,以氣相層析儀/ 質譜儀(GC/MS)或高效液和層析儀	0.0005	N.D.
六溴聯苯醚	%	→宣譜儀(GC/MS)或高效液相層析儀 →/二極體陣列偵測器/質譜儀	0.0005	N.D.
七溴聯苯醚	%	一/一種位序列识测器/网络版 _(HPLC/DAD/MS)检测之(参考歐盟	0.0005	N.D.
八沒聯苯醚	%	規範 2002/95/EC (RollS),	0.0005	N.D.
九溴聯苯醚	%	規範 2002/95/EC (Rolls), 83/264/EEC, 76/769/EEC)	0.0005	N.D.
十溴聯苯醚	%		0.0005	N.D.
總多溴聯苯醚(PBBEs/PBDEs)/ 以上總和	%		7	N.D.

測試項目:	草位	测试方法	<b>偵測極限值</b>	档果 NO.1
	ppm	依照 EN1122 方法B:2001或其他 酸消化方法,用感應額合電漿原子 發射光譜儀(ICP-AES)做分析	2	N.D.
	PPm	依照 US EPA 3050B 方法或其他 酸消化方法,用感感酶含電漿原子 發射光譜儀(ICP-AES)做分析	. 4	N.D.



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测试项目:	單位	测试方法	偵測極限值 -	結果
				NO.1
汞	ppm	依照 US EPA 3052 方法或其他酸 消化方法,用感感糖合電聚原子發 射光譜儀(ICP-AES)做分析	2	N.D.
<b></b>	рРw	依照 US EPA 3050B 方法或其他 酸消化方法,用感應耦合電漿原子 發射光譜儀(ICP-AES)做分析	2	N.D.

備註:(1) N.D. = Not detected.(<MDL) / 未檢出(低於偵測極限值)

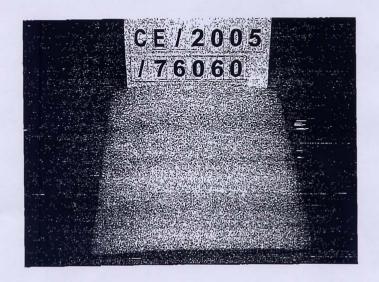
- (2) ppm = mg/kg / 百萬分之一
- (3) MDL= Method Detection Limit(偵測極限值)
- (4) " -" = Not Regulation / 無規格值
- (5) " ---" = Not Applicable / 未測項目
- (6) \*\*定性分析(無單位)
- (7) Negative / 陰性(未偵測到), Positive / 陽性(已偵測到)
- (8) \* = 表示依法規規定調整之數據
- (9) 若為氣化石蠟中單一化合物,則偵測極限為5ppm



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