

東莞永力電業有限公司

YUNG LI CO., LTD

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Description: YP-12/YC-12

Customer: MAG

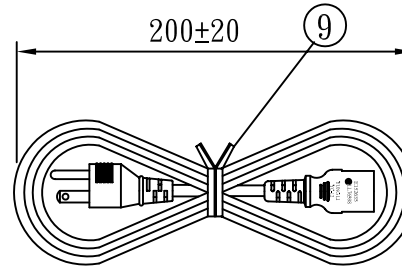
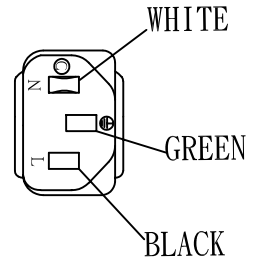
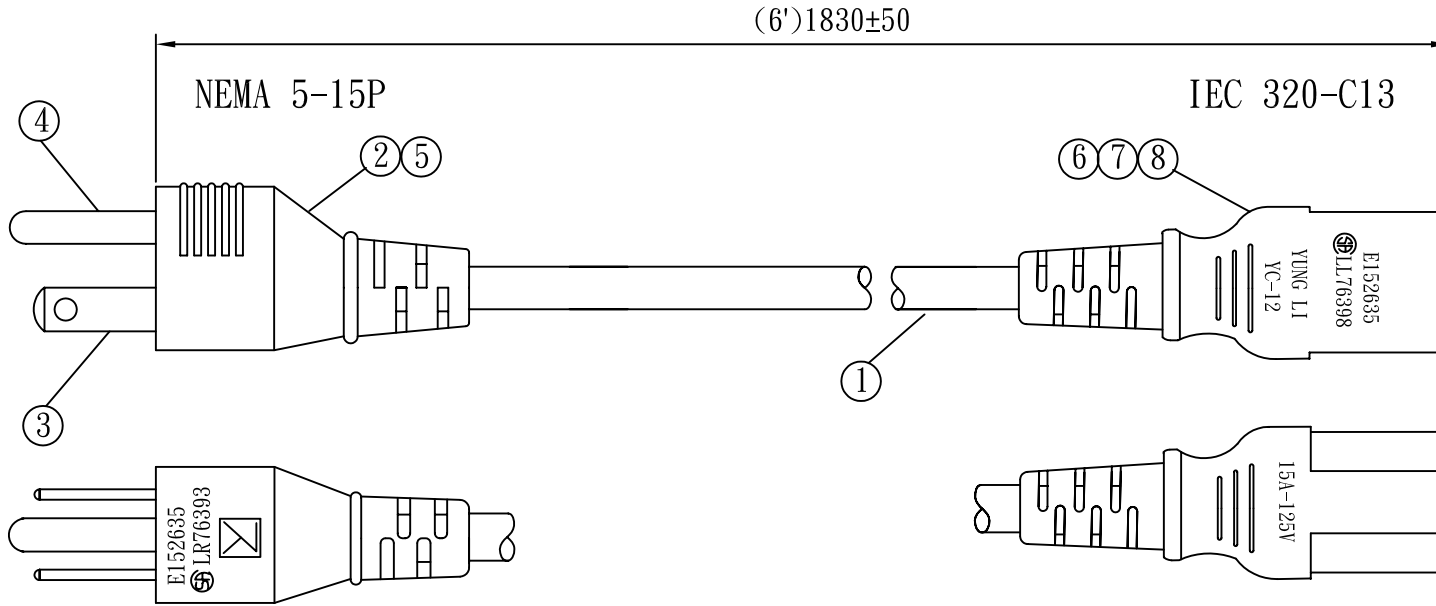
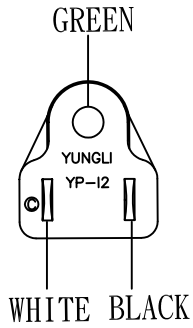
Parts No.:

Draw No.:

REVISION RECORD

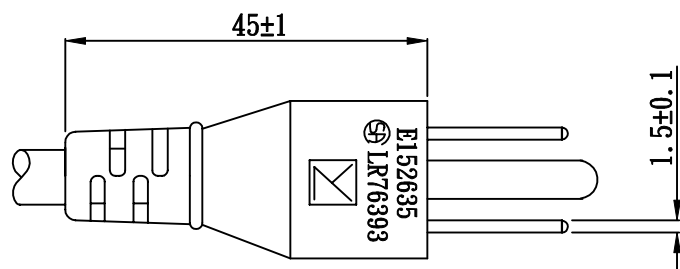
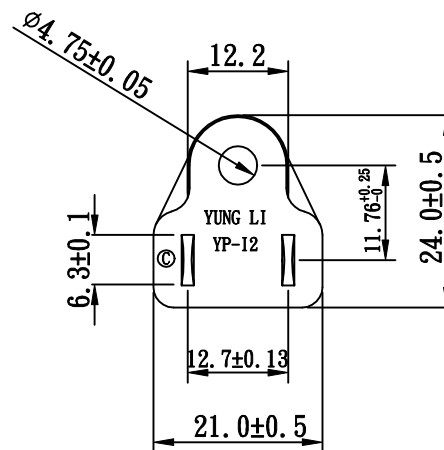
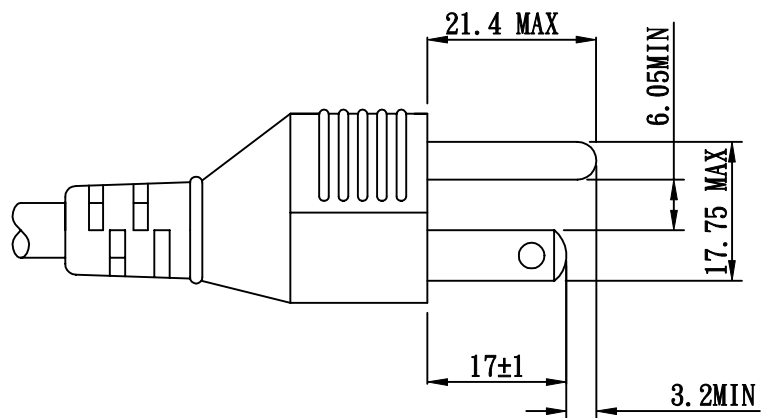
1		
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YUNG LI		CUSTOMER	APPROVED
CHECKED	PREPARED BY		

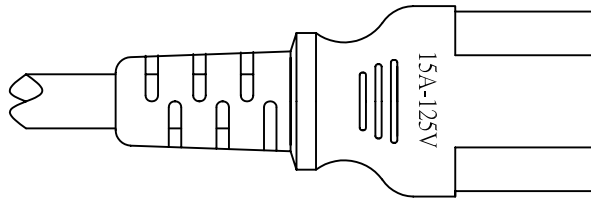
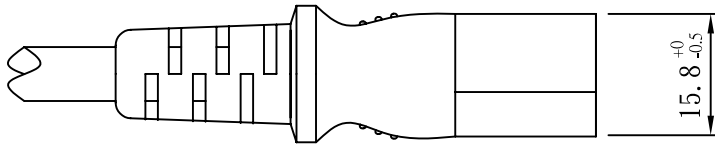
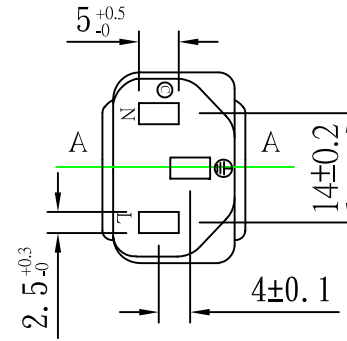
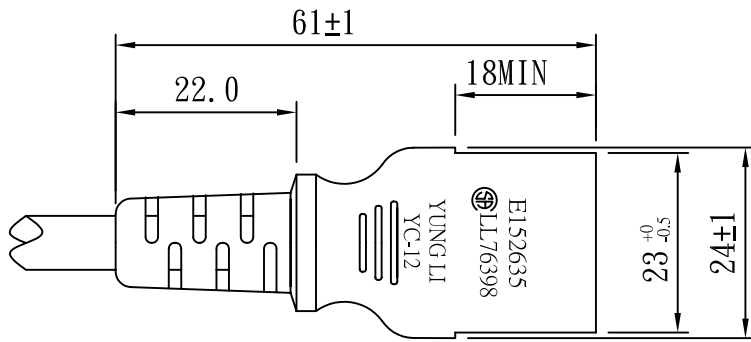


NO.	SPECIFICATION	Q'TY	REMARK
1	SJT 14/3C 105 °C BLACK	1PC	
2	YP-12 PVC PLASTIC 35P BLACK	19g/PC	
3	TERMINAL:98675BS-1/KDF 50T-2	2PCS	
4	Ø4.75 TERMINAL:98475	1PC	
5	YP-12 INNER BODY	1PC	
6	YC-12 PVC PLASTIC 35P BLACK	18g/PC	
7	U-TYPE TERMINAL:97740BS-0	3PCS	
8	YC-12 INNER BODY	1PC	
9	MINI TIE:L=150mm BLACK	1PC	

Tolerance >0±0.30 >1.0±0.50 >10.0±1.0 >20.0±2.0 Angle: ±1°	Approved		Date		YUNG LI CO.,LTD			
	Checked		Date					
	Drawn	SUKI	Date	10.08.18	Customer	MAG		
	Cat. No.	YP-12/YC-12			P/N.			
	Drawing No.	CY-U0289		Rev.	B	Material	P.V.C	Unit
					Scale			



TOLERANCE >0±0.30 >1.0±0.50 >10.0±1.0 >20.0±2.0 Angle: ±1°	APPROVED		DATE		YUNG LI CO., LTD			
	CHECKED		DATE					
	DRAWN		DATE		CUSTOMER			
	TYPE	YP-12			P/N			
	P/N				MATERIAL	P. V. C	UNIT	mm
	DRAWING NO.	CY-P12U	REV	B	SCALE	1:1		



TOLERANCE >0±0.30 >1.0±0.50 >10.0±1.0 >20.0±2.0 Angle: ±1°	APPROVED	ROBERT	DATE	10.01.13	YUNG LI CO., LTD			
	CHECKED		DATE					
	DRAWN	YUANJUN	DATE	10.01.13	CUSTOMER			
	TYPE	YC-12			P/N			
					MATERIAL	P. V. C	UNIT	mm
	DRAWING NO.			REV	B	SCALE	1:1	

SPECIFICATION

TYPE	DESCRIPTION	PART NO.	PAGE
YP-12/YC-12	POWER SUPPLY CORD		1 of 3

1. SCOPE:

This specification applies to **POWER SUPPLY CORDS** which are in compliance With **UL & CSA** standards and authorized by **UL & CSA** as following files.

UL E152635

**CORD SETS & POWER
SUPPLY CORDS**

CSA LR76393, LL76398

SPECIAL USE CORD SET

2. Standard of applicable

No.	Item	Type	Max. voltages	Max. current	File No.
2.1	Plug	YP-12			E152635,LR76393
2.2	Connector	YC-12	125V	15A	E152635,LL76398
2.3	Cord	SJT 14/3C 105			

3. TEST CONDITION: This test and measurement, unless otherwise specified shall be carried out at a temperature of 15⁰C to 35⁰C, relative humidity of 25% to 85%, and atmospheric pressure of 86kpa to 106kpa.

However, when any doubt arises on the judgement value under it the test and measurement shall be carried out at a temperature of 20±2⁰C, relative humidity of 60% to 70%, and atmospheric pressure of 86kpa to 106kpa.

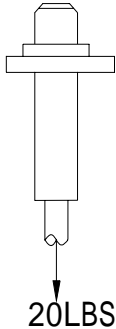
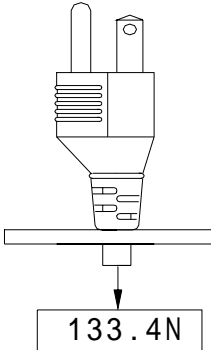
4.ELECTRICAL PERFORMANCE

NO.	Item	Test condition	Requirement
4-1	Dielectric Withstanding Voltage test	AC2500V is applied between a conductor and other conductor for 1 second. Loss of electric current at 1mA	No breakage
4-2	Current and Polarized test	L-L N-N E-E	No problem with Conductor
4-3	Insulation resistance test	In the air 20 ⁰ C~60 ⁰ C DC 500V	5M MIN

SPECIFICATION

TYPE	DESCRIPTION	PART NO.	PAGE
YP-12/YC-12	POWER SUPPLY CORD		2 of 3

5. MECHANICAL PERFORMANCE

NO.	Item	Test condition	Requirement
5-1	Accelerated Aging test	Exposure to 70 ± 2 , atmosphere for 168 hours under natural ventilation.	No crack mucus mark wire exposure short and opposite polarity.
5-2	Input & output Force to connector	It is tested after taking the action of 10time input & output.	Applied force is 1~6kg
5-3	Pulling out force of terminal	The connection between blade terminal and conductor shall not break under a pull force of 20lbs for 1minute 	Conductor can not fall down
5-4	Pulling out force of cord	The joint in flexible cord is to be securely supported by a rigid flat mounted horizontally, a pull of 133.4N weight for one minute to the flexible cord 	No looseness

SPECIFICATION

TYPE	DESCRIPTION	PART NO.	PAGE
YP-12/YC-12	POWER SUPPLY CORD		3 of 3

NO.	Item	Test condition	Requirement
5-5	Bending force	<p>The power supply cord division is fixing and load of 113g is added to a tip of a cable. It is made to do 2500times bending on right and left each 90° (bending speed 10 times/minute)</p> <div style="text-align: center;"> </div>	Breaking rate is under 10%

YUNG LI CO., LTD

SPECIFICATION

Yung-Li	Style	PVC FLEXIBLE CORDS	Document No
2007.8.02			
Edition	Size	SJT 14/ 3C 105	Page
A			1/2

1. Standard : UL 62 UL 1581

2. Construction & Dimension

	Item	Specification
Conductor	Size	14AWG X 3C
	Material	Annealed Bare Copper
	Construction	41/ 0.254±0.003
Insulation	Material	PVC
	Minimum Average Thickness	0.76mm
	Minimum Thickness at any point	0.69mm
	Diameter	3.5 ± 0.10
	Identification	Black White Green
Core Assembly	Core Twist	3-Core
	Filler	Cotton 15000D
	Assembly Pair	NA
Taping	Mylar Foil	NA
Shielded	A1-Mylar Foil	NA
Drain Wire	Material	NA
	Construction	NA
Jacket	Material	PVC
	Minimum Average Thickness	0.76mm
	Minimum Thickness at any point	0.61mm
	Overall Diameter(Approx)	9.3± 0.15
	Color	Any Color

Marking :

YUNG LI (UL) E241374 SJT 3/C 14AWG(2.08mm²) 105 300V VW-1
 CSA 177323 SJT 3/C 14AWG(2.08mm²) 105 300V FT2

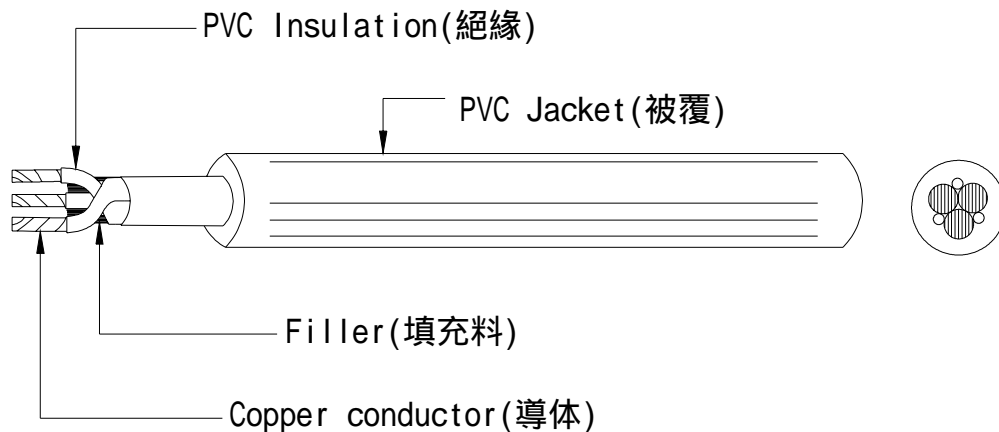
YUNG LI CO., LTD

SPECIFICATION

Yung-Li	Style	PVC FLEXIBLE CORDS	Document No
2007.8.02			
Edition	Size	SJT 14/ 3C 105	Page
A			2/2

3. Electrical & Physical Properties			
Item		Specification	
Rating Voltage		300V	
Insulation Resistance		0.76MΩ/Km 15.0 Min	
Dielectric Strength		AC 2.0KV/1 min No Crack	
Spark Test		6.0KV/0.15 Sec	
Insulation	Unaged	Tensile Strength	1500 lbs/in ² min
		Elongation	100% Min
	Aged	Tensile Strength	Min 85%(136±1 x168hrs)
		Elongation	Min 65%(136±1 x168hrs)
Jacket	Unaged	Tensile Strength	1500 lbs/in ² min
		Elongation	100% Min
	Aged	Tensile Strength	Min 85%(136±1 x168hrs)
		Elongation	Min 45%(136±1 x168hrs)
Deformation Test		121±1 m X 1hr 50%	
Cold Bend Test		-20 x 4hr No Crack	
Heat Shock Test		121±1 x 1hr No Crack	

Graph:





ELBZ7.E152635

Cord Sets and Power-supply Cords Certified for Canada

Page Bottom

Cord Sets and Power-supply Cords Certified for Canada

[See General Information for Cord Sets and Power-supply Cords Certified for Canada](#)

YUNG LI CO LTD

E152635

1ST FL

10 LANE 235 PAO-CHIAO RD

HSIN-TIEN, TAIPEI HSIEN 231 TAIWAN

Cord Sets — Power Supply Cords.

Cat. No.	Plug Cap Config	Flexible Cord Size (AWG)	Cord Type	Amps/Volts A/(V)ac
YP-11	1-15	18/2	SPT-1, SPT-1W, NISPT-1, SPT-2, SPT-2W, NISPT-2, SPT-3, HPN, SVT, SVTO, SJT, SJTW, SJTO, SJTOW, SV, SVO, SJ, SJO, SJOW, SJOOW	10/125
		17/2	SVT, SVTO, SV, SVO, SJ, SJO, SJOW, SJOOW	12/125
		16/2	SPT-2, SPT-2W, NISPT-2, SPT-3, SVT, SVTO, SJT, SJTW, SJTO, SJTOW, SV, SVO, SJ, SJO, SJOW, SJOOW	13/125
		16/2	HPN	15/125
		14/2	SPT-3, SJT, SJTW, SJTO, SJTOW, SJ, SJO, SJOW, SJOOW	15/125
YP-11W	1-15P	18/2	SPT-1, SPT-1W, NISPT-1, SPT-2, SPT-2W, NISPT-2, SPT-3, HPN, SVT, SVTO, SJT, SJTW, , SJTO, SJTOW, SV, SVO, SJ, SJO, SJOW, SJOOW	10/125
		17/2	SVT, SVTO, SV, SVO, SJ, SJO, SJOW, SJOOW	12/125
		16/2	SPT-2, SPT-2W, NISPT-2, SPT-3, SVT, SVTO, SJT, SJTW, SJTO, SJTOW, SV, SVO, SJ, SJO, SJOW, SJOOW	13/125
		16/2	HPN	15/125
		14/2	SPT-3, SJT, SJTW, SJTO, SJTOW, SJ, SJO, SJOW, SJOOW	15/125
YP-11C	1-15	18/2	NISPT-1, NISPT-2	10/125
YP-12	5-15	18/3	SVT, SVT Shielded, SVTO, SJT, SJT Shielded, SJTW, SJTW Shielded, SJTO, SJTOW, ST, STW, STOW, SV, SVO, SJ, SJO, SJOW, SJOOW, S, SO, SOW, SOOW, SPT-2, SPT-3	10/125
		17/3	SVT, SVTO, SV, SVO	12/125
		16/3	SVT, SVTO, SJT, SJTW, SJTO, SJTOW, ST, STW, STOW, SV, SVO, SJ, SJO, SJOW, SJOOW, S, SO, SOW, SOOW, SPT-2, SPT-3	13/125
		14/3	SJT, SJTW, SJTO, SJTOW, ST, STW, STOW, SJ, SJO, SJOW, SJOOW, S, SO, SOW, SOOW, SPT-3	15/125
		12/3	SJT, SJTW, SJTO, SJTOW, ST, STW, STOW, SJ, SJO, SJOW, SJOOW, S, SO, SOW, SOOW, SPT-	15/125

		14/3	SJT, SJTO, SJTW, SJTOW	15/125
		12/3	SJT, SJTO, SJTW, SJTOW	15/125
YP-11L	1-15	18/2	SPT-1W, SPT-2, SPT-2W, NISPT-1, NISPT-2, SVT, SJT, SJTW, SJTO, SJTOW, SJ, SJW, SJO, SJOW	10/125
		16/2	SPT-2W, SJT, SJTW, SJTO, SJTOW, SJ, SJW, SJO, SJOW	13/125
		14/2	SJT, SJTW, SJTO, SJTOW, SJ, SJW, SJO, SJOW	15/125
YP-11P	1-15	18/2	SPT-1W, SPT-2, SPT-2W, NISPT-1, NISPT-2, SVT, SJT, SJTW, SJTO, SJTOW, SJ, SJW, SJO, SJOW	10/125
		16/2	SPT-2W, SJT, SJTW, SJTO, SJTOW, SJ, SJW, SJO, SJOW	13/125
		14/2	SJT, SJTW, SJTO, SJTOW, SJ, SJW, SJO, SJOW	15/125
YP-11T	1-15	18/2	SPT-1, SPT-1W, SPT-2, SPT-2W, NISPT-1, NISPT-2, SVT, SJT, SJTW, SJTO, SJTOW, SJ, SJO, SJOW	10/125
		16/2	SPT-2W, SJT, SJTW, SJTO, SJTOW, SJ, SJO, SJOW	13/125
		14/2	SJT, SJTW, SJTO, SJTOW, SJ, SJO, SJOW	15/125
YP-11R	1-15	18/2	SPT-1, SPT-1W, SPT-2, SPT-2W, NISPT-1, NISPT-2, SVT, SJT, SJTW, SJTO, SJTOW, SJ, SJO, SJOW	10/125
		16/2	SPT-2W, SJT, SJTW, SJTO, SJTOW, SJ, SJO, SJOW	13/125
		14/2	SJT, SJTW, SJTO, SJTOW, SJ, SJO, SJOW	15/125
YP-12L-11, YP-12L-12, YP-12L-13, YP-12L-14, YP-12L-15, YP-12L-16, YP-12L-17, YP-12L-18	5-15	18/3	SVT, SVT Shielded, SJT, SJT Shielded, SJTW, SJTW Shielded, SJTO, SJTOW, SJTOO, SJTOOW, ST, STW, STO, STOW, STOO, STOOW, SJ, SJO, SJOW, SJOO, SJOOW, S, SO, SOW, SOO, SOOW, SPT-2, SPT-3	10/125
		16/3	SVT, SVT Shielded, SJT, SJT Shielded, SJTW, SJTW Shielded, SJTO, SJTOW, SJTOO, SJTOOW, ST, STW, STO, STOW, STOO, STOOW, SJ, SJO, SJOW, SJOO, SJOOW, S, SO, SOW, SOO, SOOW, SPT-2, SPT-3	13/125
		14/3	SJT, SJT Shielded, SJTW, SJTW Shielded, SJTO, SJTOW, SJTOO, SJTOOW, ST, STW, STO, STOW, STOO, STOOW, SJ, SJO, SJOW, SJOO, SJOOW, S, SO, SOW, SOO, SOOW, SPT-3	15/125
		12/3	SJT, SJT Shielded, SJTW, SJTW Shielded, SJTO, SJTOW, SJTOO, SJTOOW, ST, STW, STO, STOW, STOO, STOOW, SJ, SJO, SJOW, SJOO, SJOOW, S, SO, SOW, SOO, SOOW, SPT-3	15/125

Cord Sets — Special Use Cord Sets.

Cat. No.	Cord Connector Configuration	Cord Type	Flexible Cord Size (AWG)	Voltage Rating V (ac)
YC-11	IEC C17	SPT-1, SPT-2, NISPT-1, NISPT-2, SPT-3, SVT, SJTO, SJTOW, ST, STW, STOW, SO, SOW, SOOW	18	125/250
		SPT-2, NISPT-2, SPT-3, SVT, SJT, SJTW, SJTO, SJTOW, ST, STW, STOW, SO, SOW, SOOW	16	125/250
YC-12, YC-12L	IEC C13	SVT, SVT Shielded, SJT, SJT Shielded, SJTW, SJTW Shielded, SJTO, SJTOW, ST, STW, STOW, SO, SOW, SOOW, SPT-2, SPT-3	18	125/250

	IEC C13	SJT, SJTW, SJTO, SJTOW, ST, STW, STOW, SO, SOW, SOOW, SPT-3	16	125/250
		SJT, SJTW, SJTO, SJTOW, ST, STW, STOW, SO, SOW, SOOW, SPT-3	14	125/250
YC-12 (A.C.1)	IEC C13	SJT, SJTW, SJTO, SJTOW, ST, STW, STOW, SO, SOW, SOOW, SPT-3	12	125/250
		SJT, SJTW, SJTO, SJTOW, ST, STW, STOW, SO, SOW, SOOW	10	125/250
YC-12C	IEC C13	NISPT-2	18	125/250
		NISPT-2	16	125/250
YC-13	IEC C7	SPT-1, SPT-1W, SPT-2, SPT-2W, NISPT-2, SVT, SJT	18	125
		NISPT-1		
YC-13W	IEC C7P	SPT-1, SPT-1W, SPT-2, SPT-2W, NISPT-2	18	125
YC-14	IEC C5	SVT, SVT Shielded	18	125
		SPT-2		
YC-13L	IEC C7	SPT-1, SPT-1W, SPT-2, SPT-2W	18	125
YC-13D	IEC C7	SPT-1, SPT-1W, SPT-2, SPT-2W, NISPT-1, NISPT-2, SJT, SVT	18	125
YC-13C	IEC C7	NISPT-1, NISPT-2	18	125
YC-14L	IEC C5	SVT, SJT, SPT-2	18	125
YC-18	IEC C19	SJT, SJTW, SJTO, SJTOW, SJTOOW, SJ, SJO, SJOO, SJOW, SJOOW, ST, STW, STOW, STOOW, S, SO, SOW, SOO, SOOW, SPT-3	16	125 or 250
		SJT, SJTW, SJTO, SJTOW, SJTOOW, SJ, SJO, SJOO, SJOW, SJOOW, ST, STW, STOW, STOOW, S, SO, SOW, SOO, SOOW, SPT-3	14	125 or 250
		SJT, SJTW, SJTO, SJTOW, SJTOOW, SJ, SJO, SJOO, SJOW, SJOOW, ST, STW, STOW, STOOW, S, SO, SOW, SOO, SOOW, SPT-3	12	125 or 250 Vac
YC-18L	IEC C19	SJT, SJTW, SJTO, SJTOW, SJTOOW, SJ, SJO, SJOO, SJOW, SJOOW, ST, STW, STOW, STOOW, S, SO, SOW, SOO, SOOW, SPT-3	16	125, 250 Vac
		SJT, SJTW, SJTO, SJTOW, SJTOOW, SJ, SJO, SJOO, SJOW, SJOOW, ST, STW, STOW, STOOW, S, SO, SOW, SOO, SOOW, SPT-3	14	125, 250 Vac
		SJT, SJTW, SJTO, SJTOW, SJTOOW, SJ, SJO, SJOO, SJOW, SJOOW, ST, STW, STOW, STOOW, S, SO, SOW, SOO, SOOW, SPT-3	12	125, 250 Vac
YC-20	IEC C15	SVT, SJT, SJTW, SJTO, SJTOW, ST, STW, STOW, SO, SOW, SOOW, SPT-3	18	125/250
		SJT, SJTW, SJTO, SJTOW, ST, STW, STOW, SO, SOW, SOOW, SPT-3	16	125/250
		SJT, SJTW, SJTO, SJTOW, ST, STW, STOW, SO, SOW, SOOW, SPT-3	14	125/250
YC-25	IEC C21	SJT, SJTW, SJTO, SJTOW, SJTOOW, SJ, SJO, SJOO, SJOW, SJOOW, ST, STW, STOW, STOOW, S, SO, SOW, SOO, SOOW, SPT-3	16	125 or 250
		SJT, SJTW, SJTO, SJTOW, SJTOOW, SJ, SJO, SJOO, SJOW, SJOOW, ST, STW, STOW, STOOW, S, SO, SOW, SOO, SOOW, SPT-3	14	125 or 250
		SJT, SJTW, SJTO, SJTOW, SJTOOW, SJ, SJO, SJOO, SJOW, SJOOW, ST, STW, STOW, STOOW, S, SO, SOW, SOO, SOOW, SPT-3	12	125 or 250



CERTIFICATION RECORD

The company named below has been authorized by CSA to represent the products listed in this record as "CSA Certified" and to affix the CSA Mark to these products according to the terms and conditions of the CSA Service Agreement and applicable CSA program requirements (including additional Markings).

File No: 076393 0 000

Class No: 5842 02 CORD SETS Power Supply Cords

SUBMITTOR

4554507 Yung Li Company Ltd.
1F No 10 Lane 235 Pao Chiao Rd
Hsin Tien City
Taipei Hsien,
Taiwan

FACTORY

4554507 Yung Li Company Ltd.
1F No 10 Lane 235 Pao Chiao Rd
Hsin Tien City
Taipei Hsien,
Taiwan

October 11, 2001(Replaces:April 23, 2001)

IN COMPLIANCE WITH CSA STD. C22.2 NO 21-95:

- Power supply cords consisting of the following plug caps moulded on flexible cords as indicated:

Cat No Plug Caps	Config- uration	Rating of PSC		AWG	Flexible Cord
		Amp	Volts		Type
YP-11, -11W	1-15P	10	125	18	SPT-1,-2, SVT, SPT-2 non-integral SPT-2, SVT, SPT-2 non-integral
		13	125	16	
YP-12, YP-12L	5-15P	10	125	18	SJT,SVT, SVT(Sh), SPT-2 SJT, SPT-2 SJT
		13	125	16/3	
		15	125	14/3	
YP-12A	5-15P	15	125	14/3	ST
YP-32	2p, 3W(Sp) (Sd)	10	125	18	SJT, SVT, SVT(Sh)



CERTIFICATION RECORD

The company named below has been authorized by CSA to represent the products listed in this record as "CSA Certified" and to affix the CSA Mark to these products according to the terms and conditions of the CSA Service Agreement and applicable CSA program requirements (including additional Markings).

File No: 076398 0 000

Class No: 5841 03 CORD SETS Special-use Cord Sets

SUBMITTOR

4554507 Yung Li Company Ltd.
1F No 10 Lane 235 Pao Chiao Rd
Hsin Tien City
Taipei Hsien,
Taiwan

FACTORY

4554507 Yung Li Company Ltd.
1F No 10 Lane 235 Pao Chiao Rd
Hsin Tien City
Taipei Hsien,
Taiwan

April 4, 2001(Replaces:March 14, 2001)

TO THE REQUIREMENTS OF CSA STD C22.2 NO. 21-95:

- Special-use cord sets consisting of the following connector bodies moulded onto any of the submittor's Certified power supply cords indicated:

Connector Body		Plug Cap		Flexible Cord	
Cat No/Config.	Rating	Cat No	Config	AWG	Type
YC-12/C13	10A, 125V	YP-12	5-15P	18/3	SJT, SVT, SVT (Sh)
	13A, 125V	YP-12	5-15P	16/3	SJT
	15A, 125V	YP-12	5-15P	14/3	SJT
	10A, 125V	YP-32 (Sd)	C14		SJT, SVT, SVT (Sh)
YC-13(N), YC-13L(N) /C7	10A, 125V	YP-11(N)	1-15P	18/2	SPT-1,-2, SPT-2 non-integral
YC-13W(P)/C7#	10A, 125V	YP-11W(P)	1-15P	18/2	SPT-1,-2, SPT-2 non-ingebral

**ZJCZ.E241374**
Flexible Cord[Page Bottom](#)

Flexible Cord[See General Information for Flexible Cord](#)**YUNG LI CO LTD**

E241374

1ST FL

10 LANE 235 PAO-CHIAO RD

HSIN-TIEN, TAIPEI HSIEN 231 TAIWAN

Jacketed cords, Type SJTW, STW, SJTO, SJTOW, STO, STOW, SJ, S, SJO, SO, SVT, SVTO, SJT, ST, SJOW, SJOOW, SOW, SOOW, SJOO, SOO.

Parallel cords, Type SPT-1, SPT-2, SPT-3, SPT-1W, SPT-2W, NISPT-1, NISPT-2.

Rang and dryer cord, Type SRDT.

[Last Updated on 2007-02-12](#)

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Certificate of Compliance

Certificate: 1594794 (LL 76398)

Master Contract: 177323

Project: 2128031

Date Issued: 2009/03/03

Issued to: Yung Li Company Ltd.
1F No 10 Lane 235 Pao Chiao Rd
Hsin Tien City
Taipei Hsien,
Taiwan
Attention: Mr. W.T. Lai

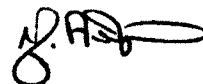
The products listed below are eligible to bear the CSA Mark shown



Issued by: Kim Nguyen, P. Eng.



Authorized by: Nick Alfano, Operations
Manager



PRODUCTS

CLASS 5831 01 - WIRES - Flexible Cord

Types SPT-1, NISPT-1, SPT-2, NISPT-2, SPT-3, SVT, SVTO, SJT, SJTW, SJTO, SJTOW, ST, STW, STO, STOW with PVC insulation and jacket, rated 60C, 75C, 90C and 105C, FT1, FT2, VW-1.

APPLICABLE REQUIREMENTS

CSA C22.2 No 49 - Flexible Cords and Cables



Supplement to Certificate of Compliance

Certificate: 1594794

Master Contract: 177323

The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
2128031	2009/03/03	Adding temperature ratings of 75C and 90C to Types SPT-1,-2,-3, NISPT-1,-2, SVT, SJT, SJTW, ST and STW.
1929621	2007/10/17	Types SJTO, SJTOW, STO, STOW, SVTO added.
1625068	2005/01/10	Addition of Flexible cords Types SJTW, STW rated 60C, 105C
1594794	2004/10/14	Original Certification: Flexible Cords SPT-1, -2, -3, NISPT-1, -2, SVT, SJT, ST

Test Report

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Applicant : YUNG LI CO.,LTD

Address : DA PU INDUSTRIAL ZONE,GANG ZI,CHANG PING TOWN, DONG GUAN CITY,GUANG DONG 523571 CHINA

Report on the submitted sample(s) said to be:

No.	Sample Names	Sample Description
1	PVC BLACK	Black plastic grains
2	PVC WHITE	White plastic grains
3	PVC BROWN	Brown plastic grains
4	PVC BLUE	Blue plastic grains
5	AC/DC POWER CORD & PLUG ADAPTERS PVC YELLOW	Yellow plastic grains
6	PVC GREEN	Green plastic grains
7	PVC RED	Red plastic grains
8	INK	White ink
9	INNERBODY	White plastic
10	CABLE COPPER	Cupreous color metal
11	TERMINAL COPPER	Golden color metal

Part No. :Please refer to the following page(s)

Sample Received Date :Mar. 16, 2010


Testing Period :Mar. 16, 2010 to Mar. 25, 2010

Test Requested :1.As specified by client, to determine the Lead, Cadmium, Mercury, Hexavalent Chromium, Perfluorooctane Sulfonates, Tetrabromobisphenol-A, Polycyclic Aromatic Hydrocarbons(PAHs), PBBs&PBDEs content in the submitted sample.
2.As specified by client, to identify if there is the Hexavalent Chromium in the submitted sample.

Test Method: Please refer to the following page(s).

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

Tested by  
Approved by 
Technical Manager

Inspected by 
Date Apr. 9, 2010

No. 26068498

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Part No.

YP-01	YP-13P	YP-49	YC-01	YC-14GL	YD-05	YL-0213	YL-3613A
YP-02	YP-13Q	YP-52	YC-04	YC-14S	YD-06	YL-0222	YL-3613L
YP-02L	YP-13S	YP-53	YC-05	YC-15	YD-07	YL-0312	YL-3621
YP-03	YP-13T	YP-54	YC-05-1	YC-16	YD-09	YL-0314	YL-3621L
YP-03L	YP-13U	YP-55	YC-05A	YC-17	YD-10	YL-0315	YL-3622
YP-06	YP-13Y	YP-56	YC-06	YC-18	YD-11	YL-0323	YL-3622L
YP-07	YP-13F	YP-57	YC-07W	YC-18L	YD-12	YL-1113	YL-915
YP-08	YP-15	YP-58	YC-08	YC-18A	YD-13	YL-1113A	YL-915A
YP-09	YP-15G	YP-58N	YC-09	YC-19	YD-14	YL-1113L	YL-916
YP-10	YP-16	YP-59	YC-10	YC-20	YD-15	YL-1113B	YL-921
YP-11	YP-16L	YP-62	YC-11	YC-20L	YD-16	YL-1113C	YL-921A
YP-11A	YP-17	YP-63	YC-12	YC-20LR	YD-17	YL-1113BL	YL-921B
YP-11C	YP-17L	YP-64	YC-12A	YC-21	YD-17A	YL-1122	YL-1800
YP-11L	YP-18	YP-65	YC-12C	YC-21A	YD-17B	YL-1122L	
YP-11W	YP-18A	YP-66	YC-12D	YC-22	YD-17L	YL-1200	
YP-11P	YP-18B	YP-67	YC-12G	YC-23	YD-18	YL-1212L	
YP-11R	YP-18L	YP-68L	YC-12K	YC-24	YD-19	YL-1214	
YP-11T	YP-18N	YP-69L	YC-12L	YC-25	YD-20	YL-1214L	
YP-12	YP-18T	YP-72L	YC-12T	YC-25L	YD-21	YL-1214G	
YP-12A	YP-19	YP-73L	YC-12-01	YC-35	YD-22	YL-1214W	
YP-12C	YP-19L	YP-74L	YC-12GL	YC-45	YD-23	YL-1223	
YP-12E	YP-27	YP-75L	YC-13	YC-46	YD-24	YL-1245	
YP-12G	YP-28	YP-76	YC-13A	YC-52	YD-25	YL-1246	
YP-12L	YP-29	YP-77	YC-13B	YC-53	YD-26	YL-150	
YP-12N	YP-32	YP-78	YC-13BL	YC-54	YD-27	YL-150A	
YP-12P	YP-32L	YP-79	YC-13C	YC-55	YD-28	YL-212	

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YP-13	YP-32A	YP-82	YC-13D	YC-56	YD-29	YL-312
YP-13B	YP-33	YP-83	YC-13E	YC-58	YD-30	YL-315
YP-13BL	YP-33A	YP-84	YC-13G	YC-59	SR 系列	YL-3213
YP-13C	YP-35	YP-90L	YC-13H	YC-72	YCM-001	YL-3214
YP-13D	YP-36	YP-91L	YC-13K	YC-73	YCM-002	YL-3215
YP-13H	YP-37	YP-92L	YC-13L	YC-77	YCM-003	YL-3223
YP-13HB	YP-39	YP-93L	YC-13LG	YC-79	YCM-004	YL-3512
YP-13HP	YP-40	YP-94L	YC-13S		YCM-005	YL-3512L
YP-13L	YP-41	YP-95L	YC-13W			YL-3514
YP-13M	YP-42	YP-96L	YC-13F			YL-3515
YP-13N	YP-43	YP-97L	YC-14			YL-3522
YP-13O		YP-98L	YC-14G			YL-3523
		YP-99L	YC-14L			YL-3613

Test Report

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Test Method:

Tested Item(s)	Test Method	Measured Equipment(s)	MDL
Lead (Pb)	IEC 62321:2008 Ed.1 Sec.8	ICP-OES	2 mg/kg
	IEC 62321:2008 Ed.1 Sec.9		
	IEC 62321:2008 Ed.1 Sec.10		
Cadmium (Cd)	IEC 62321:2008 Ed.1 Sec.8	ICP-OES	2 mg/kg
	IEC 62321:2008 Ed.1 Sec.9		
	IEC 62321:2008 Ed.1 Sec.10		
Mercury (Hg)	IEC 62321:2008 Ed.1 Sec.7	ICP-OES	2 mg/kg
Hexavalent Chromium (Cr(VI))	IEC 62321:2008 Ed.1 Annex B	UV-Vis	/
	IEC 62321:2008 Ed.1 Annex C		2 mg/kg
Perfluorooctane Sulfonates(PFOS)	Refer to US EPA 3550C:2007	LC-MS-MS	5 mg/kg
Tetrabromobisphenol-A (TBBP-A)	Refer to US EPA 3540C:1996	GC-MS	5 mg/kg
Polycyclic Aromatic Hydrocarbons (PAHs)	Refer to US EPA 3550C:2007 & US EPA 8270D:2007	GC-MS	0.2 mg/kg
Polybrominated Biphenyls (PBBs)	IEC 62321:2008 Ed.1 Annex A	GC-MS	5 mg/kg
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321:2008 Ed.1 Annex A	GC-MS	5 mg/kg

Test Result(s):

Tested Item(s)	Content		
	Sample No.1	Sample No.2	Sample No.3
Lead (Pb)	N.D.	N.D.	N.D.
Cadmium (Cd)	N.D.	N.D.	N.D.
Mercury (Hg)	N.D.	N.D.	N.D.
Hexavalent Chromium (Cr(VI))	N.D.	N.D.	N.D.
Perfluorooctane Sulfonates(PFOS)	N.D.	N.D.	N.D.
Tetrabromobisphenol-A (TBBP-A)	N.D.	N.D.	N.D.

Test Report

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Test Result(s):

Tested Item(s)	Content		
	Sample No.4	Sample No.5	Sample No.6
Lead (Pb)	N.D.	N.D.	N.D.
Cadmium (Cd)	N.D.	N.D.	N.D.
Mercury (Hg)	N.D.	N.D.	N.D.
Hexavalent Chromium (Cr(VI))	N.D.	N.D.	N.D.
Perfluorooctane Sulfonates(PFOS)	N.D.	N.D.	N.D.
Tetrabromobisphenol-A (TBBP-A)	N.D.	N.D.	N.D.

Tested Item(s)	Content		
	Sample No.7	Sample No.8	Sample No.9
Lead (Pb)	N.D.	N.D.	9 mg/kg
Cadmium (Cd)	N.D.	N.D.	N.D.
Mercury (Hg)	N.D.	N.D.	N.D.
Hexavalent Chromium (Cr(VI))	N.D.	N.D.	N.D.
Perfluorooctane Sulfonates(PFOS)	N.D.	N.D.	N.D.
Tetrabromobisphenol-A (TBBP-A)	N.D.	N.D.	N.D.

Tested Item(s)	Content	
	Sample No.10	Sample No.11
Lead (Pb)	N.D.	18 mg/kg
Cadmium (Cd)	N.D.	N.D.
Mercury (Hg)	N.D.	N.D.

Tested Item(s)	Conclusion	
	Sample No.10	Sample No.11
Hexavalent Chromium (Cr(VI))	Negative	Negative

Note: Negative = Absence of Cr(VI), the detected Cr(VI) concentration in the boiling water extraction solution is less than 0.02 mg/kg with 50cm² sample surface area used.

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Test Result(s):

Tested Item(s)	Content		
	Sample No.1	Sample No.2	Sample No.3
Polybrominated Biphenyls(PBBs)			
Monobromobiphenyl	N.D.	N.D.	N.D.
Dibromobiphenyl	N.D.	N.D.	N.D.
Tribromobiphenyl	N.D.	N.D.	N.D.
Tetrabromobiphenyl	N.D.	N.D.	N.D.
Pentabromobiphenyl	N.D.	N.D.	N.D.
Hexabromobiphenyl	N.D.	N.D.	N.D.
Heptabromobiphenyl	N.D.	N.D.	N.D.
Octabromobiphenyl	N.D.	N.D.	N.D.
Nonabromobiphenyl	N.D.	N.D.	N.D.
Decabromobiphenyl	N.D.	N.D.	N.D.
Polybrominated Diphenyl Ethers(PBDEs)			
Monobromodiphenyl ether	N.D.	N.D.	N.D.
Dibromodiphenyl ether	N.D.	N.D.	N.D.
Tribromodiphenyl ether	N.D.	N.D.	N.D.
Tetrabromodiphenyl ether	N.D.	N.D.	N.D.
Pentabromodiphenyl ether	N.D.	N.D.	N.D.
Hexabromodiphenyl ether	N.D.	N.D.	N.D.
Heptabromodiphenyl ether	N.D.	N.D.	N.D.
Octabromodiphenyl ether	N.D.	N.D.	N.D.
Nonabromodiphenyl ether	N.D.	N.D.	N.D.
Decabromodiphenyl ether	N.D.	N.D.	N.D.

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Test Result(s):

Tested Item(s)	Content		
	Sample No.4	Sample No.5	Sample No.6
Polybrominated Biphenyls(PBBs)			
Monobromobiphenyl	N.D.	N.D.	N.D.
Dibromobiphenyl	N.D.	N.D.	N.D.
Tribromobiphenyl	N.D.	N.D.	N.D.
Tetrabromobiphenyl	N.D.	N.D.	N.D.
Pentabromobiphenyl	N.D.	N.D.	N.D.
Hexabromobiphenyl	N.D.	N.D.	N.D.
Heptabromobiphenyl	N.D.	N.D.	N.D.
Octabromobiphenyl	N.D.	N.D.	N.D.
Nonabromobiphenyl	N.D.	N.D.	N.D.
Decabromobiphenyl	N.D.	N.D.	N.D.
Polybrominated Diphenyl Ethers(PBDEs)			
Monobromodiphenyl ether	N.D.	N.D.	N.D.
Dibromodiphenyl ether	N.D.	N.D.	N.D.
Tribromodiphenyl ether	N.D.	N.D.	N.D.
Tetrabromodiphenyl ether	N.D.	N.D.	N.D.
Pentabromodiphenyl ether	N.D.	N.D.	N.D.
Hexabromodiphenyl ether	N.D.	N.D.	N.D.
Heptabromodiphenyl ether	N.D.	N.D.	N.D.
Octabromodiphenyl ether	N.D.	N.D.	N.D.
Nonabromodiphenyl ether	N.D.	N.D.	N.D.
Decabromodiphenyl ether	N.D.	N.D.	N.D.

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Test Result(s):

Tested Item(s)	Content		
	Sample No.7	Sample No.8	Sample No.9
Polybrominated Biphenyls(PBBs)			
Monobromobiphenyl	N.D.	N.D.	N.D.
Dibromobiphenyl	N.D.	N.D.	N.D.
Tribromobiphenyl	N.D.	N.D.	N.D.
Tetrabromobiphenyl	N.D.	N.D.	N.D.
Pentabromobiphenyl	N.D.	N.D.	N.D.
Hexabromobiphenyl	N.D.	N.D.	N.D.
Heptabromobiphenyl	N.D.	N.D.	N.D.
Octabromobiphenyl	N.D.	N.D.	N.D.
Nonabromobiphenyl	N.D.	N.D.	N.D.
Decabromobiphenyl	N.D.	N.D.	N.D.
Polybrominated Diphenyl Ethers(PBDEs)			
Monobromodiphenyl ether	N.D.	N.D.	N.D.
Dibromodiphenyl ether	N.D.	N.D.	N.D.
Tribromodiphenyl ether	N.D.	N.D.	N.D.
Tetrabromodiphenyl ether	N.D.	N.D.	N.D.
Pentabromodiphenyl ether	N.D.	N.D.	N.D.
Hexabromodiphenyl ether	N.D.	N.D.	N.D.
Heptabromodiphenyl ether	N.D.	N.D.	N.D.
Octabromodiphenyl ether	N.D.	N.D.	N.D.
Nonabromodiphenyl ether	N.D.	N.D.	N.D.
Decabromodiphenyl ether	N.D.	N.D.	N.D.

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Test Result(s):

Tested Item(s)	Content		
	Sample No.1	Sample No.2	Sample No.3
Polycyclic Aromatic Hydrocarbons(PAHs)			
Naphthalene	N.D.	N.D.	N.D.
Acenaphthylene	N.D.	N.D.	N.D.
Acenaphthene	N.D.	N.D.	N.D.
Fluorene	N.D.	N.D.	N.D.
Phenanthrene	N.D.	N.D.	N.D.
Anthracene	N.D.	N.D.	N.D.
Fluoranthene	N.D.	N.D.	N.D.
Pyrene	N.D.	N.D.	N.D.
Benzo[a]anthracene	N.D.	N.D.	N.D.
Chrysene	N.D.	N.D.	N.D.
Benzo[b]fluoranthene	N.D.	N.D.	N.D.
Benzo[k]fluoranthene	N.D.	N.D.	N.D.
Benzo[a]pyrene	N.D.	N.D.	N.D.
Indenol[1,2,3-cd]pyrene	N.D.	N.D.	N.D.
Dibenz[a,h]anthracene	N.D.	N.D.	N.D.
Benzo[g,h,i]perylene	N.D.	N.D.	N.D.

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Test Result(s):

Tested Item(s)	Content		
	Sample No.4	Sample No.5	Sample No.6
Polycyclic Aromatic Hydrocarbons(PAHs)			
Naphthalene	N.D.	N.D.	N.D.
Acenaphthylene	N.D.	N.D.	N.D.
Acenaphthene	N.D.	N.D.	N.D.
Fluorene	N.D.	N.D.	N.D.
Phenanthrene	N.D.	N.D.	N.D.
Anthracene	N.D.	N.D.	N.D.
Fluoranthene	N.D.	N.D.	N.D.
Pyrene	N.D.	N.D.	N.D.
Benzo[a]anthracene	N.D.	N.D.	N.D.
Chrysene	N.D.	N.D.	N.D.
Benzo[b]fluoranthene	N.D.	N.D.	N.D.
Benzo[k]fluoranthene	N.D.	N.D.	N.D.
Benzo[a]pyrene	N.D.	N.D.	N.D.
Indenol[1,2,3-cd]pyrene	N.D.	N.D.	N.D.
Dibenz[a,h]anthracene	N.D.	N.D.	N.D.
Benzo[g,h,i]perylene	N.D.	N.D.	N.D.

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Test Result(s):

Tested Item(s)	Content		
	Sample No.7	Sample No.8	Sample No.9
Polycyclic Aromatic Hydrocarbons(PAHs)			
Naphthalene	N.D.	1.0 mg/kg	N.D.
Acenaphthylene	N.D.	N.D.	N.D.
Acenaphthene	N.D.	N.D.	N.D.
Fluorene	N.D.	N.D.	N.D.
Phenanthrene	N.D.	N.D.	N.D.
Anthracene	N.D.	N.D.	N.D.
Fluoranthene	N.D.	N.D.	N.D.
Pyrene	N.D.	N.D.	N.D.
Benzo[a]anthracene	N.D.	N.D.	N.D.
Chrysene	N.D.	N.D.	N.D.
Benzo[b]fluoranthene	N.D.	N.D.	N.D.
Benzo[k]fluoranthene	N.D.	N.D.	N.D.
Benzo[a]pyrene	N.D.	N.D.	N.D.
Indenol[1,2,3-cd]pyrene	N.D.	N.D.	N.D.
Dibenz[a,h]anthracene	N.D.	N.D.	N.D.
Benzo[g,h,i]perylene	N.D.	N.D.	N.D.

Note: The samples had been dissolved totally tested for Lead, Cadmium, Mercury.

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million

Remark: 1.As the client's declaration that the submitted samples of No.1~11 are the same material as the samples of No.1~11 of the test report(Report No.RLSZC00048063). The test results of the samples of No.1~11 of this report copy from the test results of the samples of No.1~11 of the test report(Report No.RLSZC00048063).
 2.The test results copy from the test report (Report No.RLSZC00048067).

Test Report

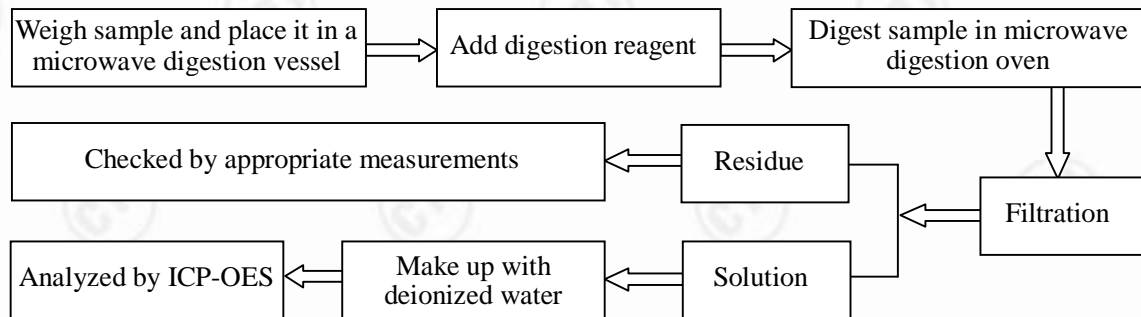
Report No.: RLSZC0004806702

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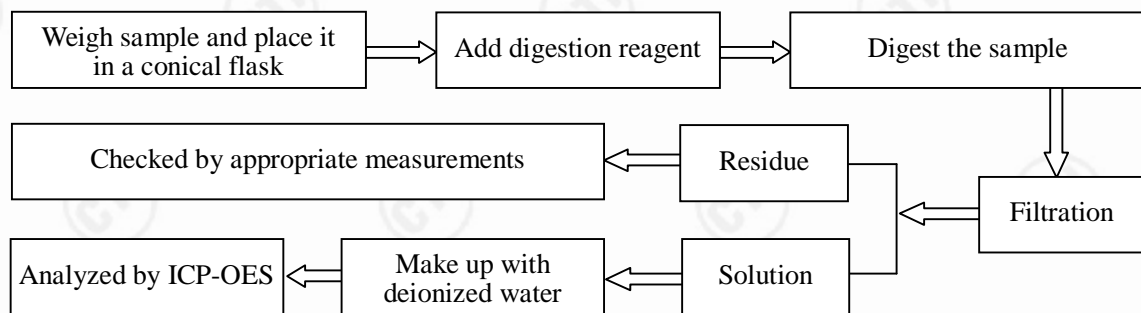
Test Process:

1. Test for Pb/Cd Content

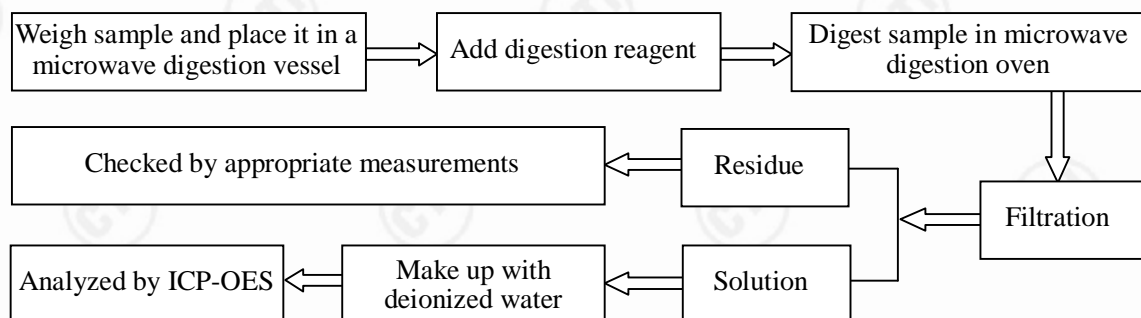
(1) IEC 62321:2008 Ed.1 Sec.8



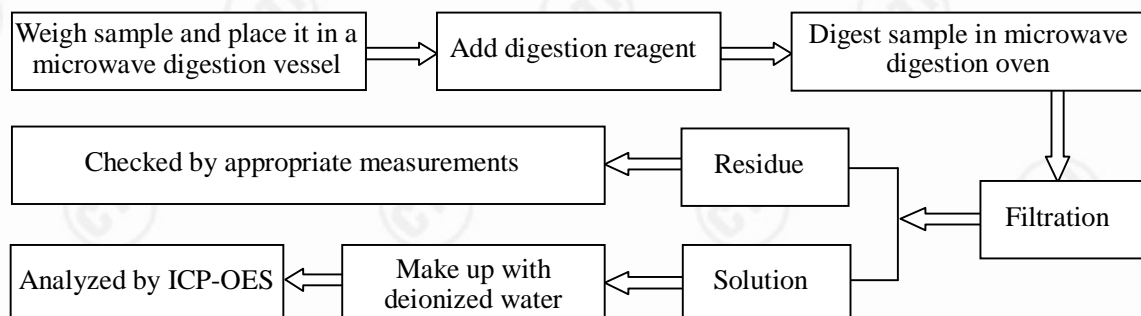
(2) IEC 62321:2008 Ed.1 Sec.9



(3) IEC 62321:2008 Ed.1 Sec.10



2. Test for Hg Content



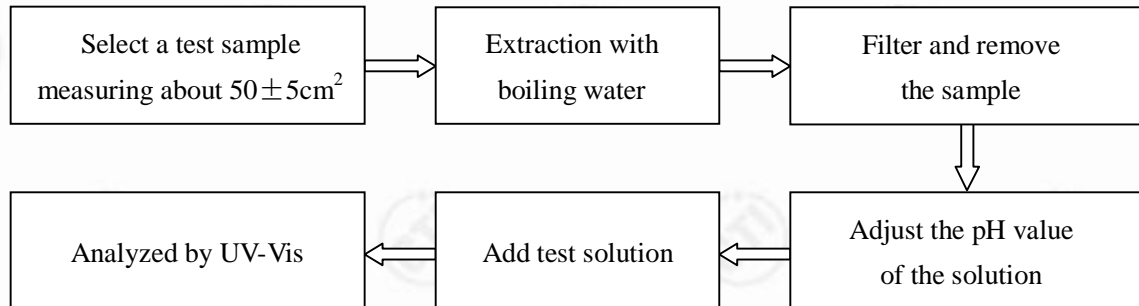
Test Report

Report No.: RLSZC0004806702

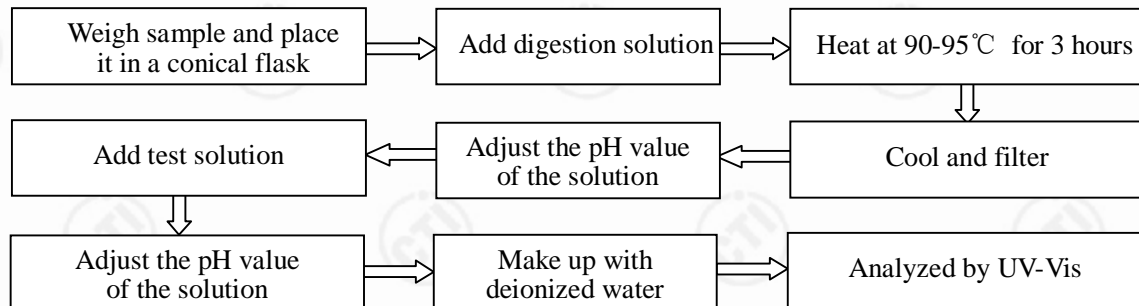
Page 13 of 16

3. Test for Chromium(VI) Content

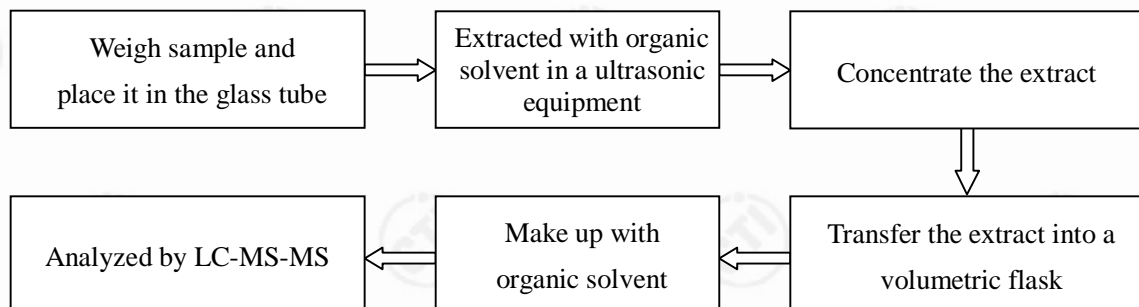
(1) IEC 62321:2008 Ed.1 Annex B



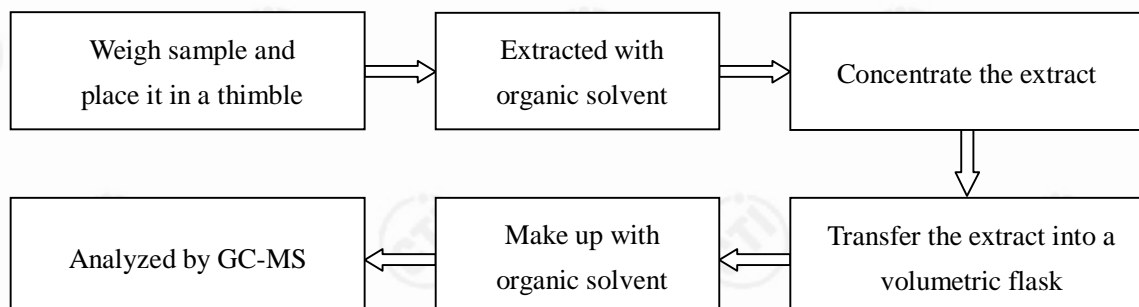
(2) IEC 62321:2008 Ed.1 Annex C



4. Test for PFOS Content



5. Test for TBBP-A Content

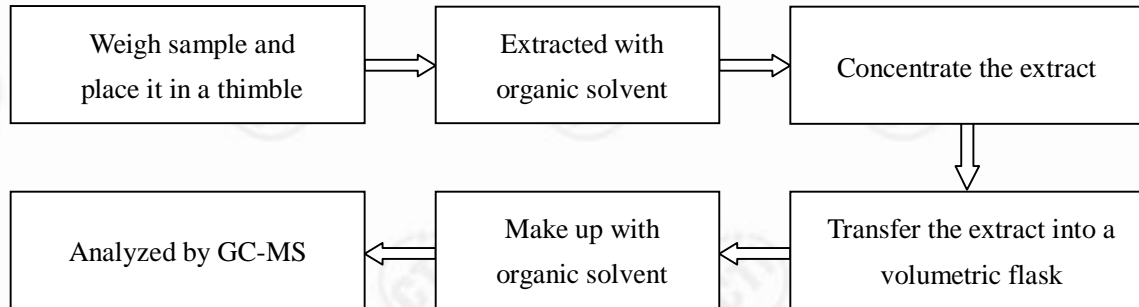


Test Report

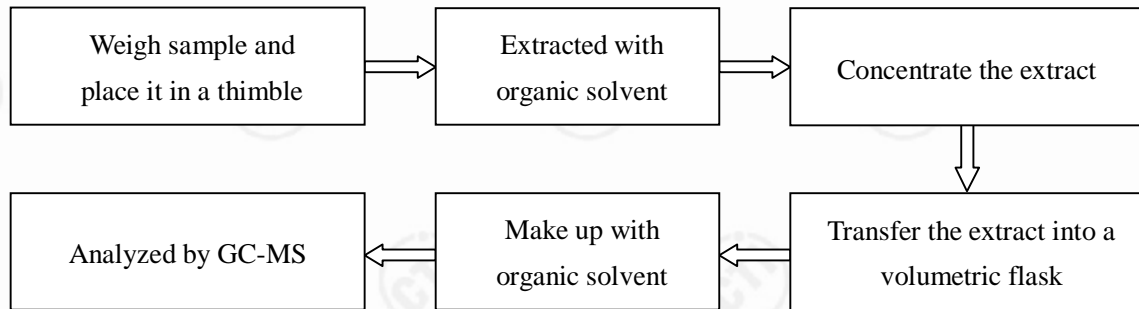
Report No.: RLSZC0004806702

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6. Test for PAHs Content



7. Test for PBBs /PBDEs Content



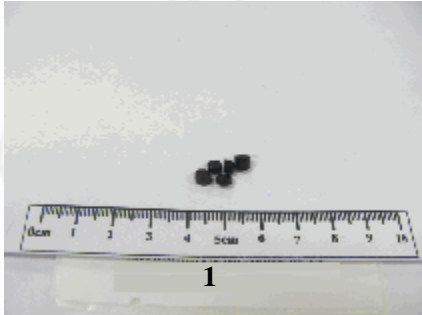
Test Report

Report No.: RLSZC0004806702

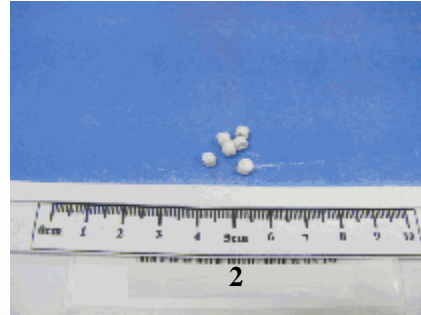
Page 15 of 16

Photo(s) of the sample(s)

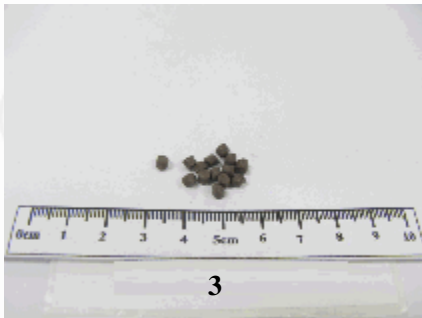
Sample No.1



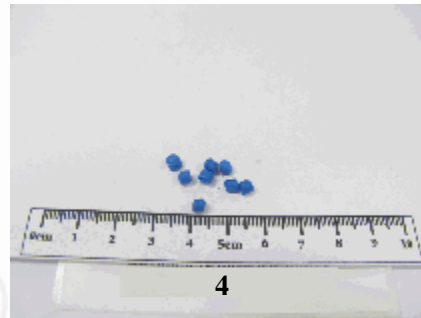
Sample No.2



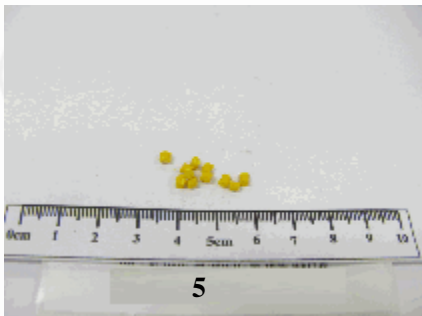
Sample No.3



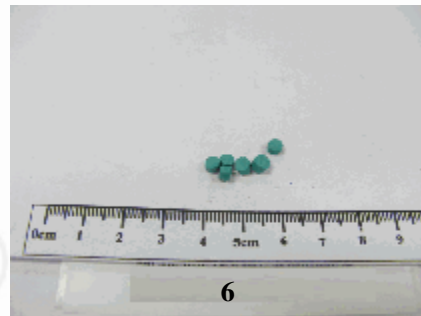
Sample No.4



Sample No.5



Sample No.6



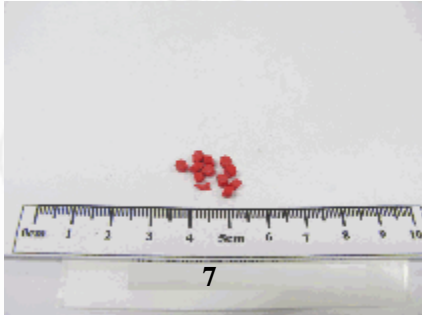
Test Report

Report No.: RLSZC0004806702

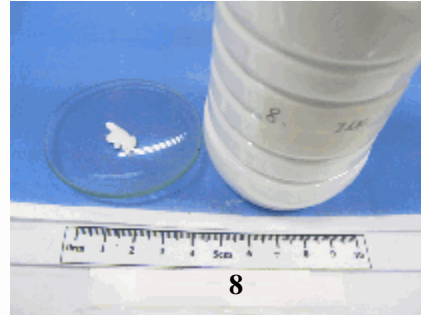
Page 16 of 16

Photo(s) of the sample(s)

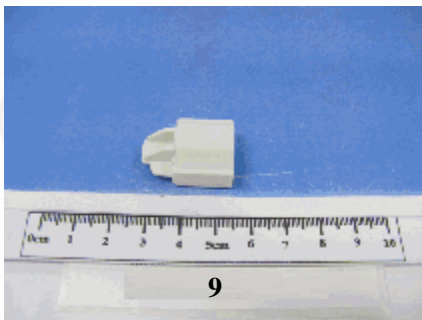
Sample No.7



Sample No.8



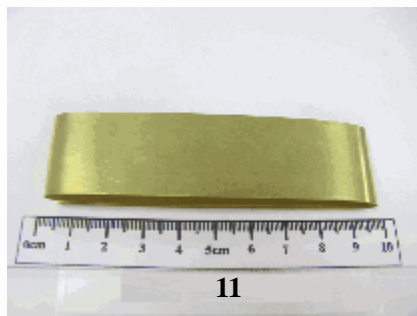
Sample No.9



Sample No.10



Sample No.11



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

Test Report

Report No. RLSZC000439700001

Page 1 of 7

Applicant YONGHAO ELECTRICAL INDUSTRY CO., LTD

Address JING HAI XI ROAD, SHA TOU SHA DISTRICT, CHANG AN TOWN , DONG GUAN CITY
CHINA

Report on the submitted sample(s) said to be

Sample Name PE
Sample Description White plastic grains
Material PE
Sample Received Date Jan. 21, 2010
Testing Period Jan. 21, 2010 to Jan. 25, 2010

Test Requested As specified by client, to determine the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs), Dimethyl Fumarate(DMF), Nonylphenol(NP), Perfluorooctane Sulfonates(PFOS), Perfluorooctanoic Acid(PFOA), Polycyclic Aromatic Hydrocarbons(PAHs), Phthalates content in the submitted sample.

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

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

Tested by



Approved by

Technical Manager

Inspected by

A handwritten signature in black ink, appearing to read 'Ted', written over a horizontal line.

Date

Jan. 25, 2010

No. 38475009



Test Report

Report No. RLSZC000439700001

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Test Method

Test Item(s)	Test Method	Measured Equipment(s)	MDL
Lead(Pb)	IEC 62321:2008 Ed.1 Sec.8	ICP-OES	2 mg/kg
Cadmium(Cd)	IEC 62321:2008 Ed.1 Sec.8	ICP-OES	2 mg/kg
Mercury(Hg)	IEC 62321:2008 Ed.1 Sec.7	ICP-OES	2 mg/kg
Hexavalent Chromium(Cr(VI))	IEC 62321:2008 Ed.1 Annex C	UV-Vis	2 mg/kg
Polybrominated Biphenyls(PBBs)	IEC 62321:2008 Ed.1 Annex A	GC-MS	5 mg/kg
Polybrominated Diphenyl Ethers(PBDEs)	IEC 62321:2008 Ed.1 Annex A	GC-MS	5 mg/kg
Phthalates	Refer to ASTM D3421:1975	GC-MS	50 mg/kg
Dimethyl Fumarate(DMF)	Refer to US EPA 3550C:2007	GC-MS	0.1 mg/kg
Perfluorooctane Sulfonates(PFOS)	Refer to US EPA 3550C:2007	LC-MS-MS	5 mg/kg
Perfluorooctanoic Acid(PFOA)	Refer to US EPA 3550C:2007	LC-MS-MS	5 mg/kg
Nonylphenol(NP)	Refer to US EPA 3540C:1996	GC-MS	5 mg/kg
Polycyclic Aromatic Hydrocarbons(PAHs)	Refer to US EPA 3550C:2007 & US EPA 8270D:2007	GC-MS	0.2 mg/kg

Test Result(s)

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

Tested Item(s)	Content
Polybrominated Biphenyls(PBBs)	
Monobromobiphenyl	N.D.
Dibromobiphenyl	N.D.
Tribromobiphenyl	N.D.
Tetrabromobiphenyl	N.D.
Pentabromobiphenyl	N.D.
Hexabromobiphenyl	N.D.
Heptabromobiphenyl	N.D.
Octabromobiphenyl	N.D.
Nonabromobiphenyl	N.D.
Decabromobiphenyl	N.D.



Test Report

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Tested Item(s)	Content
Polybrominated Diphenyl Ethers(PBDEs)	
Monobromodiphenyl ether	N.D.
Dibromodiphenyl ether	N.D.
Tribromodiphenyl ether	N.D.
Tetrabromodiphenyl ether	N.D.
Pentabromodiphenyl ether	N.D.
Hexabromodiphenyl ether	N.D.
Heptabromodiphenyl ether	N.D.
Octabromodiphenyl ether	N.D.
Nonabromodiphenyl ether	N.D.
Decabromodiphenyl ether	N.D.

Tested Item(s)	Content
Phthalates	
Diisobutyl phthalate(DIBP)	N.D.
Dibutyl phthalate(DBP)	N.D.
Benzylbutyl phthalate(BBP)	N.D.
Di-2-ethylhexyl phthalate(DEHP)	N.D.
Di-n-octyl phthalate(DNOP)	N.D.
Diisononyl phthalate(DINP)	N.D.
Diisodecyl phthalate(DIDP)	N.D.
Di-n-hexyl phthalate (DNHP)	N.D.

Tested Item(s)	Content
Dimethyl Fumarate(DMF)	N.D.
Nonylphenol (NP)	N.D.
Perfluorooctanoic Acid (PFOA)	N.D.
Perfluorooctane Sulfonates(PFOS)	N.D.



Test Report

Report No. RLSZC000439700001

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Tested Item(s)	Content
Polycyclic Aromatic Hydrocarbons(PAHs)	
Naphthalene	N.D.
Acenaphthylene	N.D.
Acenaphthene	N.D.
Fluorene	N.D.
Phenanthrene	N.D.
Anthracene	N.D.
Fluoranthene	N.D.
Pyrene	N.D.
Benzo[a]anthracene	N.D.
Chrysene	N.D.
Benzo[b]fluoranthene	N.D.
Benzo[k]fluoranthene	N.D.
Benzo[a]pyrene	N.D.
Indenol[1,2,3-cd]pyrene	N.D.
Dibenz[a,h]anthracene	N.D.
Benzo[g,h,i]perylene	N.D.

Note: -MDL = Method Detection Limit
-N.D. = Not Detected (<MDL)
-mg/kg = ppm = parts per million

Remark: The test results (except for Di-n-hexyl phthalate (DNHP)) copy from the test report (Report No. RLSZC000428470001).

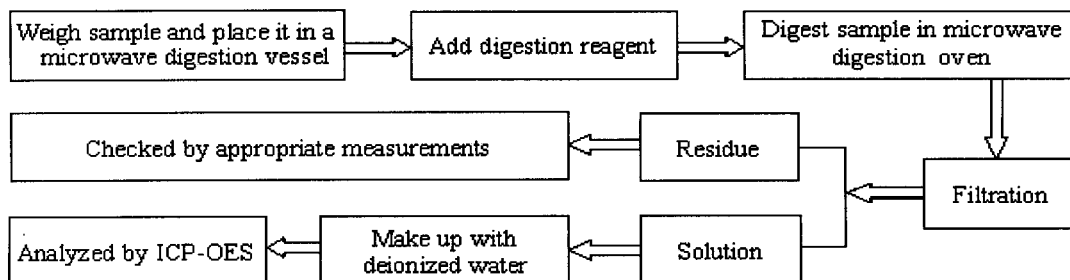
Test Report

Report No. RLSZC000439700001

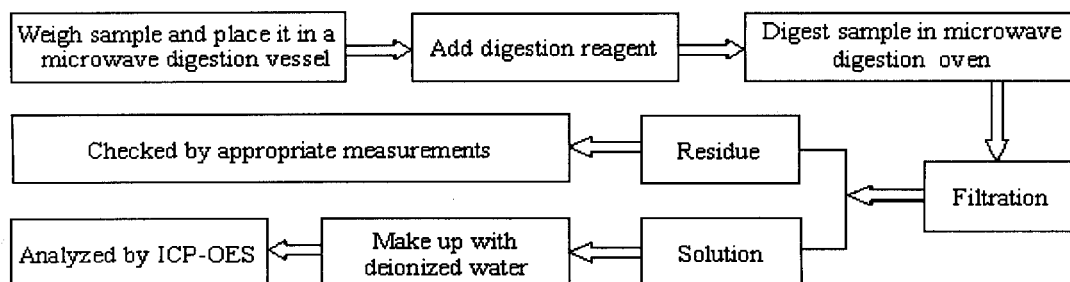
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Test Process

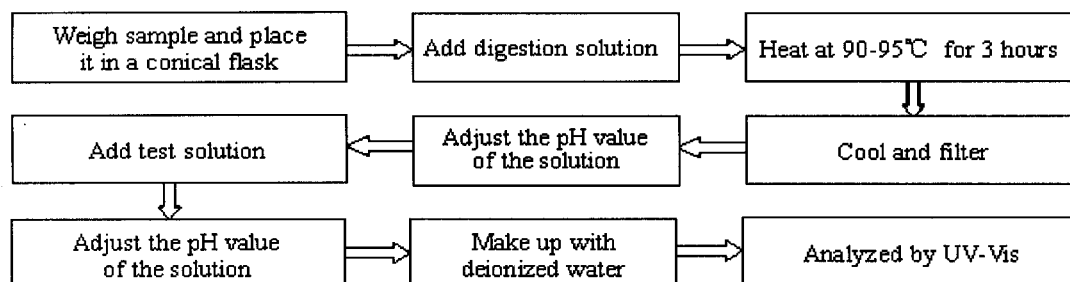
1. Lead(Pb), Cadmium(Cd)



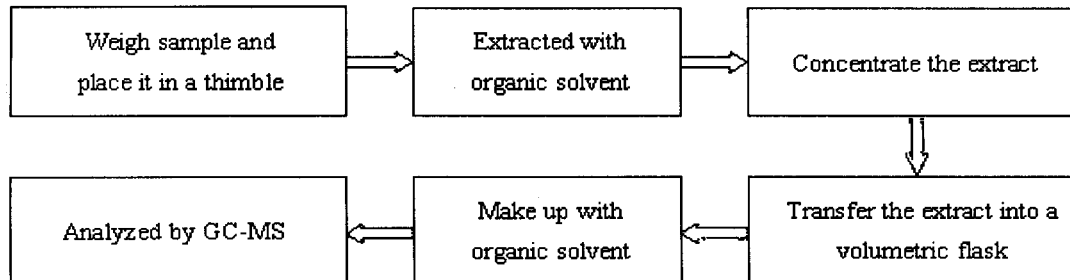
2. Mercury(Hg)



3. Hexavalent Chromium(Cr(VI))



4. Phthalates

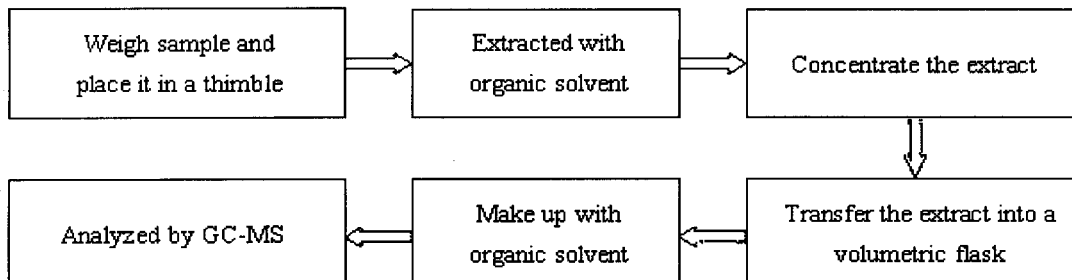


Test Report

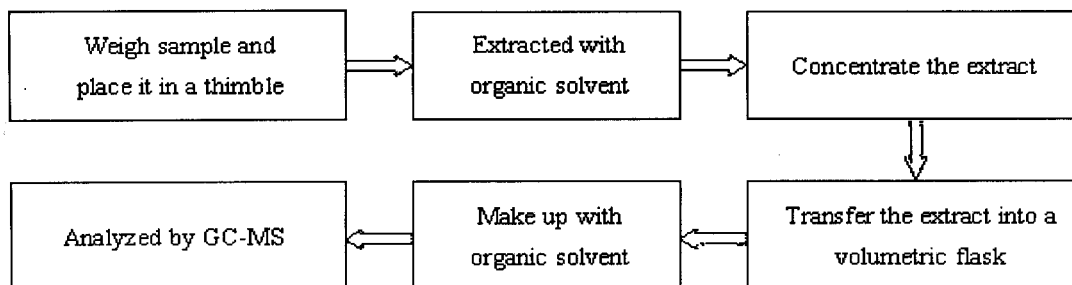
Report No. RLSZC000439700001

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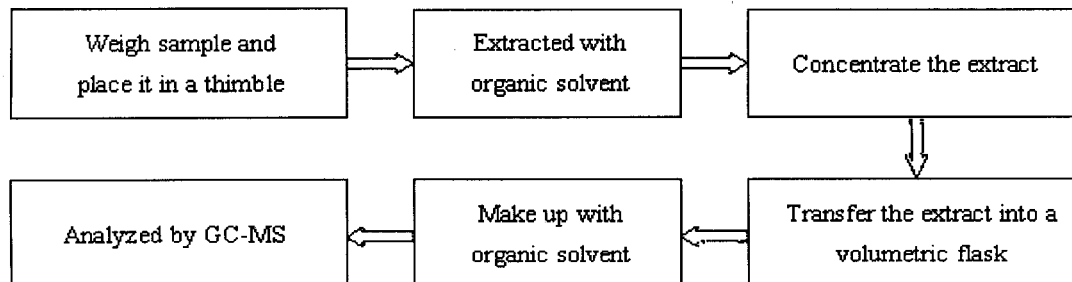
5. Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs)



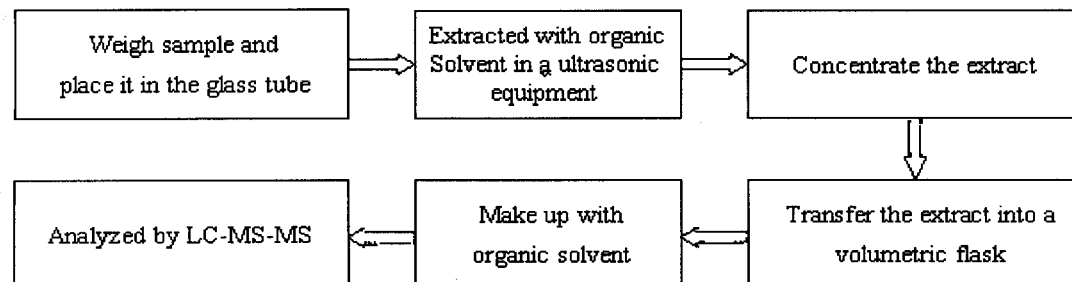
6. Nonylphenol(NP)



7. Dimethyl Fumarate(DMF)



8. Perfluorooctanoic Acid(PFOA), Perfluorooctane Sulfonates(PFOS)

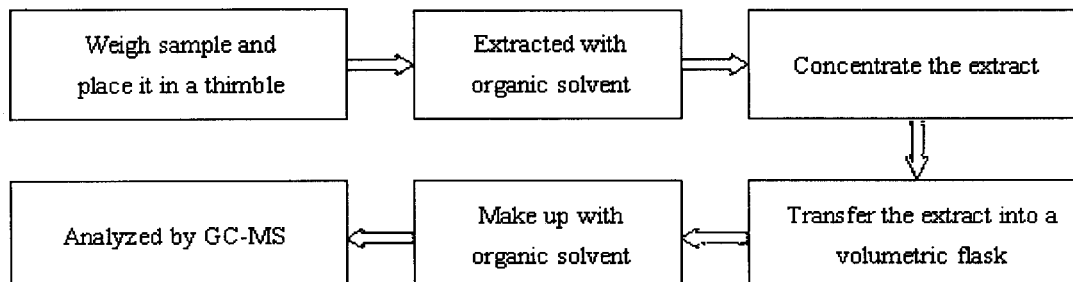


Test Report

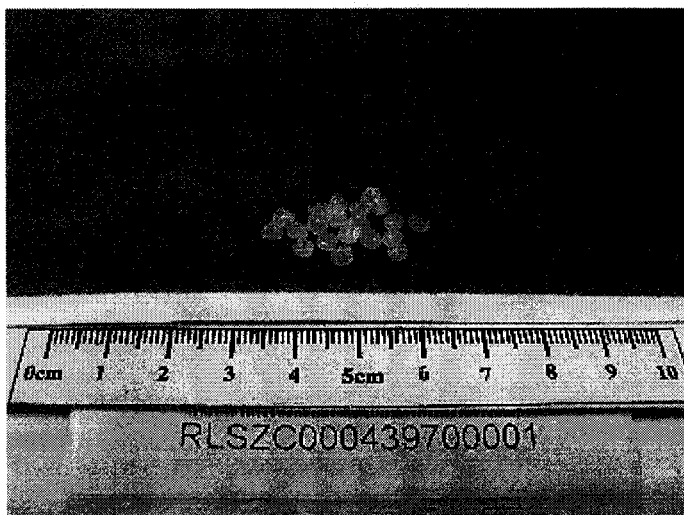
Report No. RLSZC000439700001

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9. Polycyclic Aromatic Hydrocarbons(PAHs)



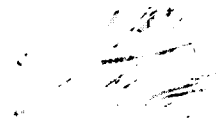
Photo(s) of the sample(s)



*** End of report ***

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



Test Report

No. : CE/2009/C1327 Date : 2009/12/10

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DONGGUAN HONG NENG PLASTIC CO., LTD.
NAN MIAN INDUSTRIAL AREA, HAKONG, CHANGAN TOWN
DONGGUAN CITY, GUANGDONG PROVINCE, CHINA



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

Sample Description : 色母
Style/Item No. : 黑色母3040、2014、2705、2718、2719
Sample Receiving Date : 2009/12/03
Testing Period : 2009/12/03 TO 2009/12/10

=====
Test Requested : In accordance with the RoHS Directive 2002/95/EC, and its amendment directives.

Test Method : With reference to IEC 62321: 2008
Procedures for the Determination of Levels of Regulated Substances in
Electrotechnical Products.
(1) Determination of Cadmium by ICP-AES.
(2) Determination of Lead by ICP-AES.
(3) Determination of Mercury by ICP-AES.
(4) Determination of Hexavalent Chromium by UV/Vis Spectrometry.
(5) Determination of PBB and PBDE by GC/MS.

Test Result(s) : Please refer to next page(s).

Chenyu Kung / Operation Manager
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory – Taipei

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DONGGUAN HONG NENG PLASTIC CO., LTD.
 NAN MIAN INDUSTRIAL, AREA, HAKONG, CHANGAN TOWN
 DONGGUAN CITY, GUANGDONG PROVINCE, CHINA



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

Test Item (s):	Method (Refer to)	Result	MDL
		No.1	
Cadmium (Cd)	(1)	n.d.	2
Lead (Pb)	(2)	15	2
Mercury (Hg)	(3)	n.d.	2
Hexavalent Chromium Cr(VI) by alkaline extraction	(4)	n.d.	2
Sum of PBBs	(5)	n.d.	-
Monobromobiphenyl		n.d.	5
Dibromobiphenyl		n.d.	5
Tribromobiphenyl		n.d.	5
Tetrabromobiphenyl		n.d.	5
Pentabromobiphenyl		n.d.	5
Hexabromobiphenyl		n.d.	5
Heptabromobiphenyl		n.d.	5
Octabromobiphenyl		n.d.	5
Nonabromobiphenyl		n.d.	5
Decabromobiphenyl		n.d.	5
Sum of PBDEs		n.d.	-
Monobromodiphenyl ether		n.d.	5
Dibromodiphenyl ether		n.d.	5
Tribromodiphenyl ether		n.d.	5
Tetrabromodiphenyl ether		n.d.	5
Pentabromodiphenyl ether		n.d.	5
Hexabromodiphenyl ether		n.d.	5
Heptabromodiphenyl ether		n.d.	5
Octabromodiphenyl ether		n.d.	5
Nonabromodiphenyl ether	n.d.	5	
Decabromodiphenyl ether	n.d.	5	

TEST PART DESCRIPTION:

NO.1 : BLACK PLASTIC PELLETS

- Note :
1. mg/kg = ppm; 0.1wt% = 1000ppm
 2. n.d. = Not Detected
 3. MDL = Method Detection Limit
 4. "-" = Not Regulated

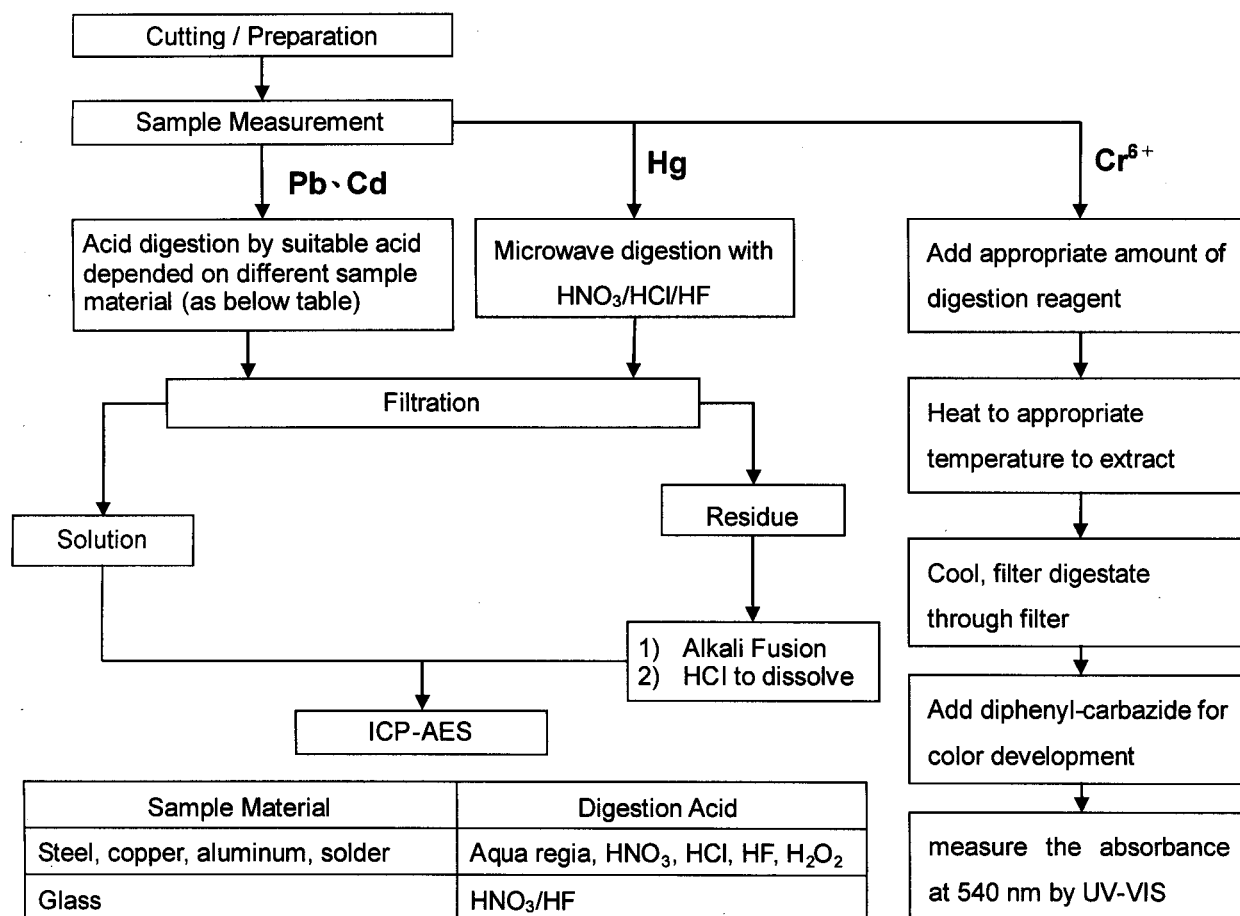
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 NAN MIAN INDUSTRIAL, AREA, HAKONG, CHANGAN TOWN
 DONGGUAN CITY, GUANGDONG PROVINCE, CHINA



- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr⁶⁺ test method excluded)
- 2) Name of the person who made measurement: Climbgreat Yang
- 3) Name of the person in charge of measurement: Troy Chang



Sample Material	Digestion Acid
Steel, copper, aluminum, solder	Aqua regia, HNO ₃ , HCl, HF, H ₂ O ₂
Glass	HNO ₃ /HF
Gold, platinum, palladium, ceramic	Aqua regia
Silver	HNO ₃
Plastic	H ₂ SO ₄ , H ₂ O ₂ , HNO ₃ , HCl
Others	Any acid to total digestion

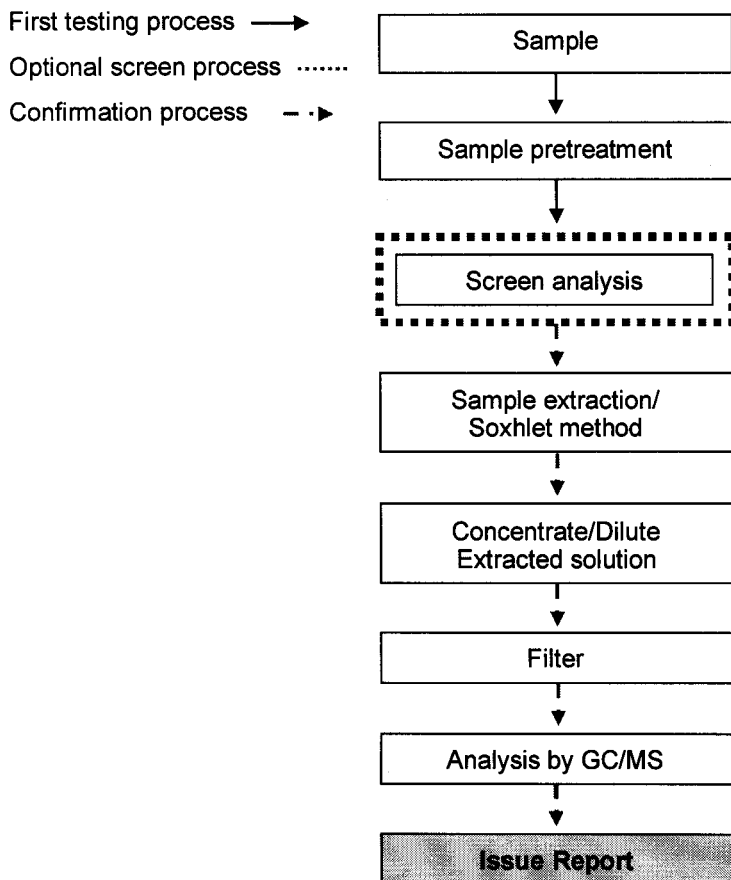
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 NAN MIAN INDUSTRIAL, AREA, HAKONG, CHANGAN TOWN
 DONGGUAN CITY, GUANGDONG PROVINCE, CHINA



PBB/PBDE analytical FLOW CHART

- 1) Name of the person who made measurement: Roman Wong
- 2) Name of the person in charge of measurement: Shinjyh Chen



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DONGGUAN HONG NENG PLASTIC CO., LTD.
NAN MIAN INDUSTRIAL, AREA, HAKONG, CHANGAN TOWN
DONGGUAN CITY, GUANGDONG PROVINCE, CHINA



** End of Report **

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Test Report

No. CANML0906246401

Date: 31 Dec 2009

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HENG XING METAL WIRE FACTORY
YISHA ENVIRONMENTAL PROTECTION MAOLONG INDUSTRIAL PARK, YISHA VILLAGE, SHATIAN TOWN, DONGGUAN CITY CHINA

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

- SGS Job No. : 12324034 - GZ
SGS Internal Reference No. : GC091206132
Date of Sample Received : 24 Dec 2009
Testing Period : 24 Dec 2009 - 31 Dec 2009
Test Requested : Selected test(s) as requested by client.
Test Method : Please refer to next page(s).
Test Results : Please refer to next page(s).
Conclusion : Based on the performed tests on submitted sample(s), the results comply with the RoHS Directive 2002/95/EC and its subsequent amendments.

Signed for and on behalf of SGS-CSTC Ltd.

Manson (handwritten signature)

Manson Yang Sr. Engineer



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GZCM 3744913



Test Report

No. CANML0906246401

Date: 31 Dec 2009

Page 2 of 4

Test Results:

ID for specimen 1 : CAN09-062464.001
 Description for specimen 1 : Silver-grey metal wire

RoHS Directive 2002/95/EC

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

Note:

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

Negative = Absence of CrVI coating, Positive = Presence of CrVI coating;
 (The tested sample should be further verified by boiling-water-extraction method if the spot test result is negative or cannot be confirmed.)

Boiling-water-extraction:

Negative = Absence of CrVI coating
 Positive = Presence of CrVI coating; the detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm² sample surface area.

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

5. # = Positive indicates the presence of CrVI on the tested areas.
 Negative indicates the absence of CrVI on the tested areas.
6. "-" = Not regulated



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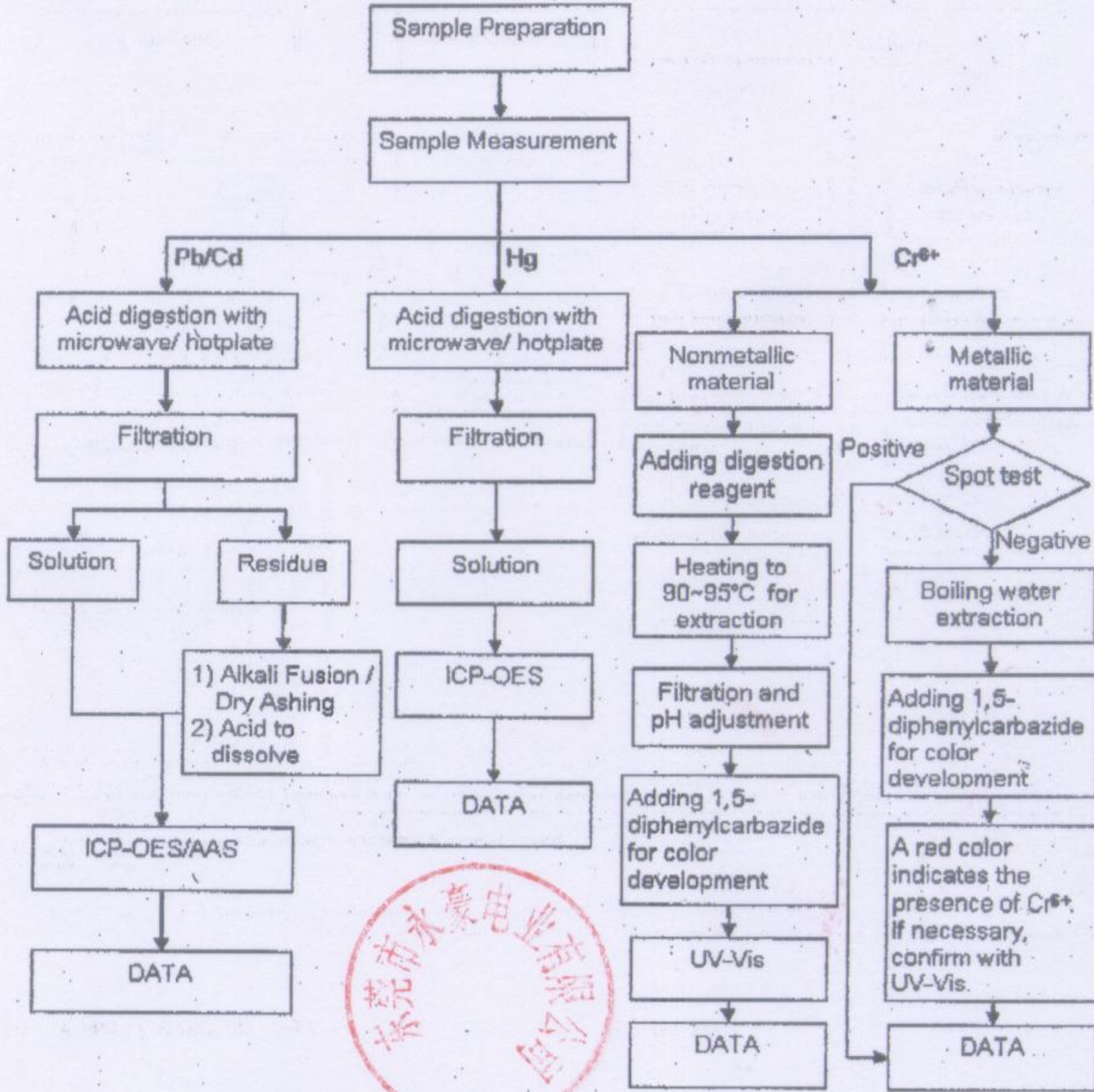
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ATTACHMENTS

Testing Flow Chart

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



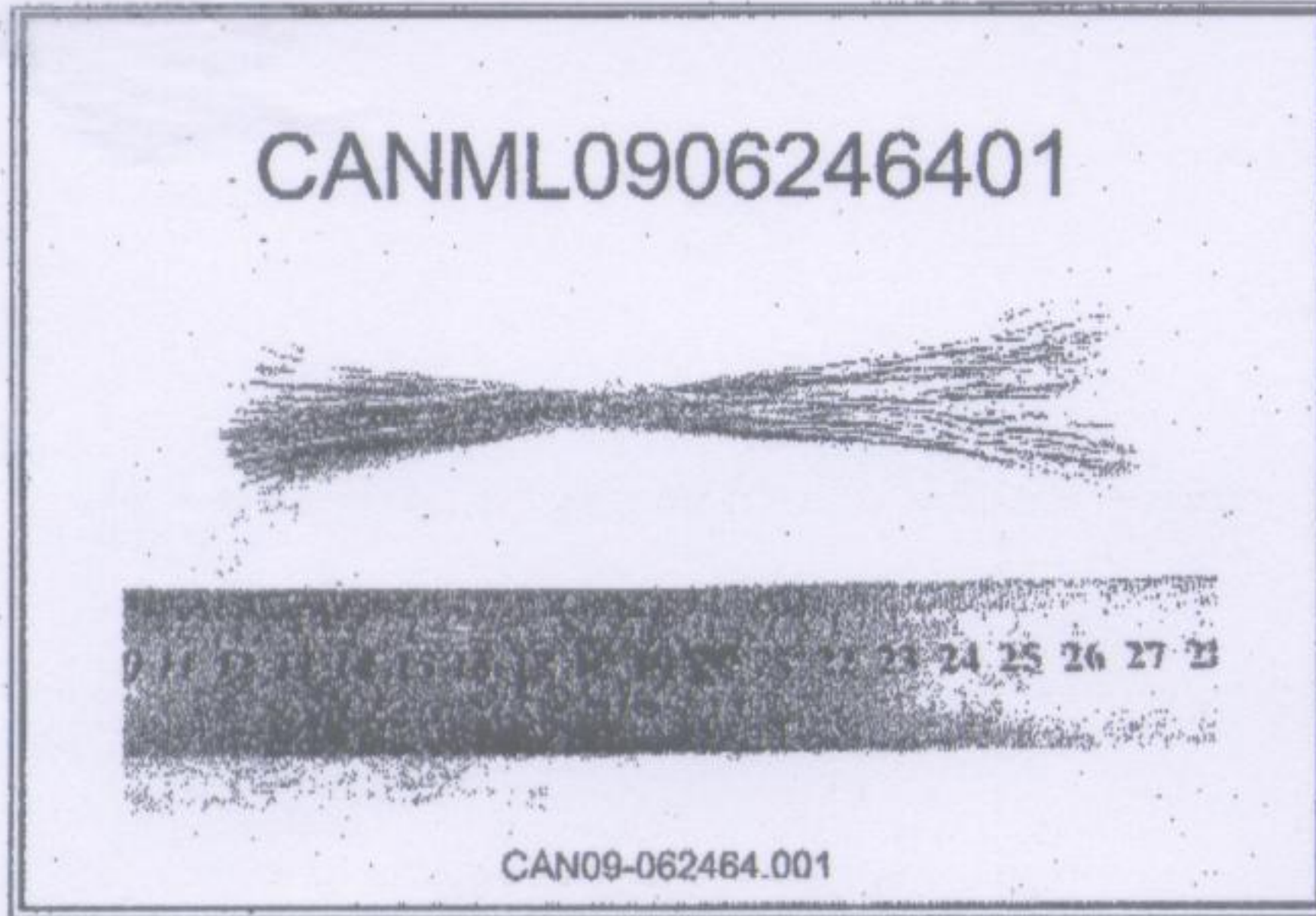
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Sample photo:



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*** End of Report ***



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