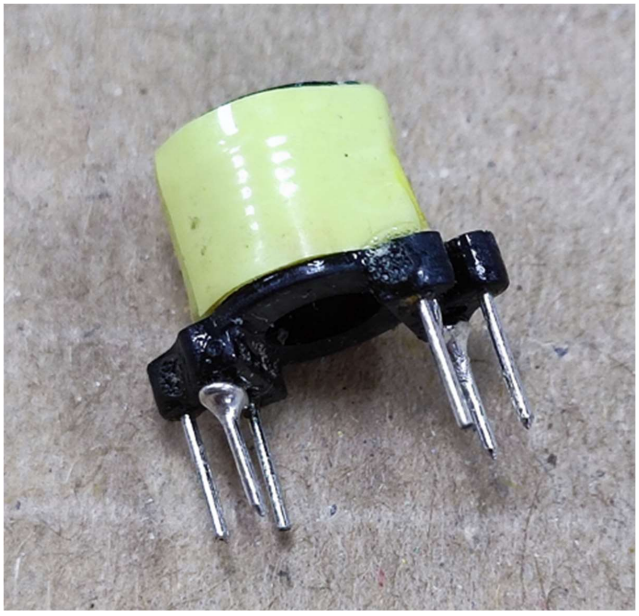






設計驗證
工程課
2023.10.05
發行
鈺緯科技開發股份有限公司

LI TAI ELECTRONIC ENTERPRISE CO.,LTD

CUSTOMER

鈺緯

SPECIFICATION FOR APPROVAL

CUSTOMER PART NO: 3LCOIL0281Y (L0190)

LI TAI PART NO: C C - 0 2 6 0 1 2

DESCRIPTION: C H O K E

DATE: 2023-10-04

TAIWAN ☐HEAD OFFICE：東力泰企業有限公司

2F-2, No.16, Jian Ba Road, Chang Ho Dist. , New Taipei City, 23511 Taiwan

新北市中和區建八路 16 號 2 樓之 2

TEL: (02) 8226-3838 FAX: (02) 8226-5522

CHINA ☐FUQING PLANT：福清景翔電子配件有限公司

Rongqiao Economic and Technological Development Zone, Fuyu Rd., Fuqing, Fujian, China

福建省福清市融僑經濟技術開發區福玉路

TEL: 86-591-85367150 FAX: 86-591-85381525

☐SHENZHEN PLANT： 澄萬電子（深圳）有限公司

Area A, 3rd Floor, No. 3, Third Industrial Zone, Xiacun Community, Gongming Street,,Guangming District, 518106, Shenzhen,, China

深圳市光明新區公明辦事處下村社區第三工業區 3 棟 3 樓 A 區.

TEL: 86-755-27730621 FAX: 86-755-27730576

☐SUZHOU PLANT：蘇州祥崴電子有限公司

1027-2 Sunwu Road, Xukou Town, Wuhzong District, Suzhou, China

江蘇省蘇州市吳中區胥口鎮孫武路 1027-2 號

TEL: 86-512-66219182 FAX: 86-512-66219183

工程圖改版說明

客戶:	鈺緯	生產分發單位	深圳-力泰	蘇州-祥崴	福清-景翔
				*	

型式:	RM-4	客戶料號:	3LCOIL0281Y (L0190)	力泰料號:	CC-026012

版次	頁次	原內容	變更內容	日期	備註
A0		ISSUE		2023-09-13	

備註	生產(發行)

LI TAI ELECTRONIC ENTERPRISE CO., LTD.

SPECIFICATION FOR APPROVAL		CUSTOMER: 鈺緯
LI TAI PART NO. :	REV. :	CUSTOMER PART NO.:
CC-026012	A0	3LCOIL0281Y (L0190)
PART NAME :	SPEC. NO. :	ISSUE DATE
CHOKE		2023-09-13

CONTENT:

1.Configuration & Dimension

2.Winding Specification

3.Electrical Characteristics

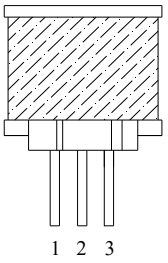
4.Material List

APPROVAL BY	CHECK BY	DRAWING BY
設計驗證 工程課 2023.10.05 發行 立偉科技開發股份有限公司		

SPECIFICATION FOR APPROVAL		CUSTOMER: 鈺緯
LI TAI PART NO. :	REV. :	CUSTOMER PART NO.:
CC-026012	A0	3LCOIL0281Y (L0190)
PART NAME :	SPEC. NO. :	ISSUE DATE
CHOKE		2023-09-13

1.Configuration & Dimension :

UNIT: m/m



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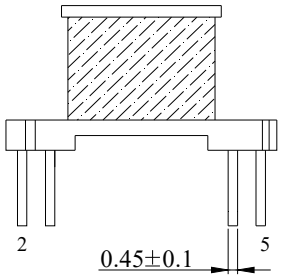

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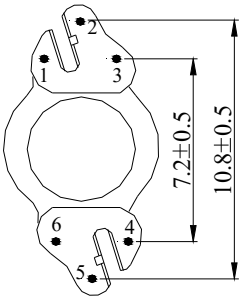


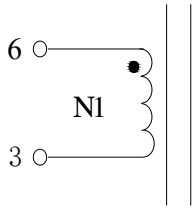
<BOTTOM VIEW>

NOTES:

1.產品須含浸.

2.Winding Specification :

2-1 Schematic :



"●":START

2-2 Winding Order :



NO.	Winding	Terminal	Wire	Turns	Remark
1	N1	6---3	2UEW ψ0.5	28.5	REF

SPECIFICATION FOR APPROVAL		CUSTOMER: 鈺緯
LI TAI PART NO. :	REV. :	CUSTOMER PART NO.:
CC-026012	A0	3LCOIL0281Y (L0190)
PART NAME :	SPEC. NO. :	ISSUE DATE
CHOKE		2023-09-13

3.Electrical Characteristics :

ELECTRICAL CHARACTERISTICS				
NO.	ITEM	TEST TERMINAL	SPECIFICATION	TEST INSTRUMENT
1	INDUCTANCE @1KHz,1V	L(6---3)	3.3uH ±15%	WK-3260B LCR METER
2	Rated Current	2A		

4. Material List :

NO	SUB PART	RAW MATERIAL				
		MANUFACTURER	DESCRIPTION	TYPE	FLAME/ TEMP	UL NO.
1	BOBBIN	CHANG CHUN PLASTICS CO.,LTD	PHENOLIC	T375J	94V-0 150℃	E59481
2	WIRE	PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD	POLYURETHANE	UEW/U@ (ANSI MW-75C)	130℃	E201757
3	TAPE	SYMBIO INC	POLYETHYLENE-TEREPHTHALATE	NO.35660(a)	130℃	E50292
		JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	POLYETHYLENE TEREPHTHALATE	CT* (c)(g)	130℃	E165111
4	VARNISH	SUZHOU TAIHU ELECTRIC ADVANCED MATERIAL CO LTD	POLYESTER	T-4260(a)	130℃	E228349

UL Product iQ®

QMFZ2.E59481 - Plastics - Component

Plastics - Component

CHANG CHUN PLASTICS CO LTD
No 8 Huaxi Rd
Daliao District
Kaohsiung City, 83164 Taiwan

E59481

Dsg	Color	Min Thk mm	Flame Class	HWI	HAI	RTI Elec Str	RTI Mech Imp Str	RTI Mech Str	HVTR	D495	CTI
Epoxy Casting Compound (EP - Casting), potting, "SUMIKON" furnished as granular material, pellets											
EME-1200	BK	0.37	V-0	-	-	130	130	130	-	-	2
		0.84	V-0	-	-	130	130	130	-	-	-
		6.0	V-0	-	-	130	130	130	-	-	-
Epoxy Casting Compound (EP - Casting) furnished as two liquid components											
BR-733	BK	3.0	V-0	-	-	90	90	90	-	-	-
FBT-750	BN	1.5	V-0	1	4	90	90	90	-	5	0
FBT-756	WT	1.5	V-0	0	2	90	90	90	-	5	5
Epoxy Molding Compound (EP - Molding) "LONGLITE" furnished as granular material, pellets											
EC-11	BK	0.36	V-0	-	-	130	130	130	-	-	-
		0.81	V-0	-	-	130	130	130	-	-	-
		3.24	V-0	-	-	130	130	130	-	-	-
EC-12	BK	0.36	V-0	-	-	130	130	130	-	-	-
		0.79	V-0	-	-	130	130	130	-	-	-
		3.18	V-0	-	-	130	130	130	-	-	-
EC-20	WT	0.8	V-0	-	-	130	130	130	-	-	-
		1.6	V-0	-	-	130	130	130	-	-	-
EC-21	BK	0.84	V-0	-	-	130	130	130	-	-	-
		3.28	V-0	-	-	130	130	130	-	-	-
Epoxy Molding Compound (EP - Molding) "LONGLITE" furnished as pellets											
EC-15	ALL	0.83-0.91	V-0	0	0	130	130	130	-	-	1
Epoxy Molding Compound (EP - Molding) "LONGLITE" furnished as pellets or powders											
EC-15G	NC	1.6-1.8	V-0	-	-	130	130	130	-	-	-
Epoxy Molding Compound (EP - Molding) "SUMIKON" furnished as granular material, pellets											
EME-1100	BK	0.36	V-0	-	-	130	130	130	-	-	2

T-210LA, T210LA	BK	0.75	V-0	1	3	150	150	150	0	6	4
		1.0	V-0	0	0	150	150	150	-	-	-
		2.0-2.2	V-0	0	0	150	150	150	-	-	-
T-308J, T308J	BN	2.1	V-1	1	0	150	150	150	2	6	3
	BK, BN	3.4	V-0	1	0	150	150	150	-	-	-
T-310, T310	BK	1.0	V-1	1	0	150	150	150	2	5	3
		1.5	V-1	1	0	150	150	150	-	-	-
		3.0	V-0	0	0	150	150	150	-	-	-
T-376J, T376J	BK, BN	0.60-0.66	V-0	-	-	150	150	150	1	4	3
	BK	1.0	V-0	0	0	150	150	150	-	-	-
		2.0-2.2	V-0	0	0	150	150	150	-	-	-
T-377J, T377J	BK	0.75	HB	2	0	150	150	150	4	7	4
		1.5	HB	1	0	150	150	150	-	-	-
		3.0	V-0	0	0	150	150	150	-	-	-
T-389J, T389J	BK	1.0	HB	0	0	150	150	150	1	6	4
		2.0	HB	0	0	150	150	150	-	-	-
		3.0	HB	0	0	150	150	150	-	-	-
T33	BK	1.5	HB	0	0	150	150	150	2	7	4
		3.0	V-1	0	0	150	150	150	-	-	-
		6.0	V-0	0	0	150	150	150	-	-	-
T353	BK	0.75	V-0	0	0	150	150	150	0	5	4
		1.5	V-0	0	0	150	150	150	-	-	-
		3.0	V-0	0	0	150	150	150	-	-	-
T357	BK	0.75	V-0	0	0	150	150	150	4	5	4
		1.5	V-0	0	0	150	150	150	-	-	-
		3.0	V-0	0	0	150	150	150	-	-	-
T359J	BK, BN	0.75	HB	1	0	150	150	150	4	7	4
		1.5	HB	1	0	150	150	150	-	-	-
		3.0	HB	0	0	150	150	150	-	-	-
T373J	BK, BN	1.0	V-1	2	0	150	150	150	3	6	4
	NC	1.0	V-0	2	0	150	150	150	-	-	-
	NC, BK, BN	2.0-2.2	V-0	1	0	150	150	150	-	-	-
T375J(G5)(G6)	BK, BN	0.45	V-0	1	0	150	150	150	4	5	3
		0.75	V-0	1	0	150	150	150	-	-	-
		1.5	V-0	0	0	150	150	150	-	-	-
		3.0	V-0	0	0	150	150	150	-	-	-

T385J	BK, BN	3.0	V-1	0	0	150	150	150	4	7	4
	NC	3.0	V-0	0	0	150	150	150	-	-	-

	NC	3.0	HB	1	0	50	50	50	-	-	-
	BK	3.0	V-1	1	0	50	50	50	-	-	-
Thermoplastic Polyester Elastomer (TPEE) furnished as pellets											
1155	NC, BK	0.8	HB	4	0	50	50	50	0	3	0
		3.0	HB	3	0	50	50	50	-	-	-
1163	NC, BK	0.8	HB	4	0	50	50	50	0	4	0
		3.0	HB	3	0	50	50	50	-	-	-
1172	NC, BK	0.8	HB	4	0	50	50	50	0	4	0
		3.0	HB	3	0	50	50	50	-	-	-
Unsaturated Polyester (UP) furnished as pellets											
BM-11	ALL	0.75	HB	-	-	105	130	130	-	-	-
		3.0	HB	-	-	105	130	130	-	-	-
BM-12	RD	0.75	V-1	-	-	105	130	130	-	-	-
	NC, WT, BK	0.75	V-0	-	-	105	130	130	-	-	-
	ALL	1.5	V-0	-	-	105	130	130	-	-	-
		3.0	V-0	-	-	105	130	130	-	-	-
BM-21	ALL	0.75	HB	-	-	105	130	130	-	-	-
BM-22	ALL	0.75	V-0	-	-	105	130	130	-	-	-
		1.5	V-0	-	-	105	130	130	-	-	-
		3.0	V-0	-	-	105	130	130	-	-	-
BM-23	ALL	0.75	V-0	-	-	105	130	130	-	-	-
		1.5	V-0	-	-	105	130	130	-	-	-
		3.0	V-0	-	-	105	130	130	-	-	-
Urea Formaldehyde (UF) furnished as granular material											
UM	ALL	1.5	HB	0	0	100	100	100	2	6	1
		3.0	V-0	0	0	100	100	100	-	-	-
		6.0	V-0	0	0	100	100	100	-	-	-

- Maybe 08~30 indicating the content of glass fiber from 8% to 30%.

($) - Maybe 00~30 indicating the content of glass fiber from 0% to 30%(exclude 0 % and 30%).

(A) - Replace by 3-4 digits denoting colors.

(aa) - Replace by two digits from 15~30 indicating the content of glass fiber from 15% to 30% by weight.

(B) - Replace by 1-2 alphabet A-Z denoting customers code, unconcerned with formula or constituent changed.

(C) - Charpy Impact (ASTM D6110): 18 J/m at 3.0mm

(d) - Contains more than 25% or up to 50% regrind material.

(e) - Ball pressure temperature is in accordance with IEC 60695-10-2 Method B.

(f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

(G1) - The GWIT rating observed from representative thickness& color including: Thickness at 0.74mm are 725C (NC); 725C (WT); 725C (RD); 725C (BK); Thickness at 1.5mm are 700C (NC); 700C (WT); 700C (RD); 700C (BK); Thickness at 3.0mm are 775C (NC); 775C (WT); 775C (RD); 775C (BK)

(BK).

(G2) - The GWFI rating observed from representative thickness& color including: Thickness at 0.74mm are 960C (NC); 960C (WT); 960C (RD); 960C (BK); Thickness at 1.5mm are 960 (NC); 960C (WT); 960C (RD); 960C (BK); Thickness at 3.0mm are 960C (NC) 960C (WT); 960C (RD); 960C (BK).

(G3) - The GWIT rating observed from representative thickness& color including: Thickness at 0.74mm are 750C (NC); 750C (WT); 750C (RD); 750C (BK); Thickness at 1.5mm are 675C (NC); 675C (WT); 675C (RD); 675C (BK); Thickness at 3.0mm are 725C (NC); 725C (WT); 725C (RD); 725C (BK).

(G4) - The GWIT rating observed from representative thickness& color including: Thickness at 0.74mm are 725C (NC); 725C (WT); 725C (RD); 725C (BK); Thickness at 1.5mm are 675C (NC); 675C (WT); 675C (RD); 675C (BK); Thickness at 3.0mm are 725C (NC); 725C (WT); 725C (RD); 725C (BK).

(G5) - The GWIT rating observed from representative thickness& color including: Thickness at 0.45mm is 900C (BK); Thickness at 0.75mm is 960C (BK); Thickness at 3.0mm is 960C (BK).

(G6) - The GWFI rating observed from representative thickness& color including: Thickness at 0.45mm is 960C (BK); Thickness at 0.75mm is 960C (BK); Thickness at 3.0mm is 960C (BK).

(G7) - The GWIT rating observed from representative thickness& color including: Thickness at 0.74mm are 850C (NC); 850C (WT); 850C (RD); 850C (BK); Thickness at 1.6mm are 825C (NC); 825C (BK); Thickness at 3.0mm are 900C (NC); 900C (WT); 900C (RD); 900C (BK).

(G8) - The GWFI rating observed from representative thickness& color including: Thickness at 0.74mm are 960C (NC); 960C (WT); 960C (RD); 960C (BK); Thickness at 1.6mm are 960C (NC); 960C (BK); Thickness at 3.0mm are 960C (NC) 960C (WT); 960C (RD); 960C (BK).

(GG) - (GG) -Maybe replace by two digits from 10~40 indicating the content of glass fiber from 10% to 40% by weight, except 10% and 40%.

(P) - Replace by 2-5 alphanumeric digits, 0-9 or alphabet A-Z.

(QQ) - Replace by two digits from 10~50 indicating the content of glass fiber from 10% to 50% by weight

(VV) - Maybe 00~30 indicating the content of glass fiber from 0% to 30% (exclude 30%).

(X1) - Maybe replace by one letter N representing Natural color or B representing Black color

(X2) - Maybe 3~5 indicating the content of talc and glass fiber filler from 30% to 50% by weight

(X3) - Maybe 3~5 indicating the content of glass fiber filler from 32% to 42% by weight

(XX) - Maybe replace by two digits from 30~50 indicating the content of glass fiber from 30% to 50% by weight.

(Z) - Replace by 3 digits denoting colors and may follow by 1-2 alphabet A-Z denoting customers code, unconcerned with formula or constituent changed

* - Maybe 15~35 indicating the content of glass fiber from 15% to 35%.

@ - Maybe 08~40 indicating the content of glass fiber from 8% to 40%.

Marking: Company name or tradename "LONGLITE", "SUMIKON" or trademark 長春, material designation On container, wrapper Or finished part.

Last Updated on 2022-11-04

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ONLINE CERTIFICATIONS DIRECTORY

OBMW2.E201757
Magnet Wire - Component

Page Bottom

Magnet Wire - Component

See General Information for Magnet Wire - Component

PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD E201757
607 BAOLONG INDUSTRIAL ESTATE
LONGGANG
SHENZHEN, GUANGDONG 518116 CHINA

Material Designation	Mark Dsg	Base Coat	Top Coat	ANSI Type	Temp Class
AIW/U	AIW/U	Polyamide-imide	-	MW 81-C	220[#]
EIAI/U	EIAI/U	Polyester-imide	Polyamide-imide	MW 35-C	200
		Polyester-imide	Polyamide-imide	MW 73-C	200
HAI/U	HAI/U	Modified Polyester	Polyamide-imide	MW 37-C	220
		Modified Polyester	Polyamide-imide	MW 35-C	200[#]
PEF1/U	PEF1/U	Modified Polyester	-	MW 5-C	155[#]
PEFN/U	PEFN/U	Polyester	Polyamide	MW 24-C	155
PEWF/U	PEWF/U	Modified Polyester	-	MW 5-C	155[#]
PEWH/U	PEWH/U	Polyester-imide	-	MW 30-C	180[#]
PEWN/U	PEWN/U	Modified Polyester	Polyamide	MW 24-C	155[#]
SSTH/U	SSTH/U	Polyester-imide	-	MW 77-C	180[#]
UEF1/U@	UEF1/U@	Polyurethane	-	MW 82-C	180[#]
		Polyurethane	-	MW 79-C	155[#]
UEFN/U@	UEFN/U@	Polyurethane	Polyamide	MW 80-C	155
UEHN/U@	UEHN/U@	Polyurethane	Polyamide	MW 83-C	180
UEW/U@	UEW/U@	Polyurethane	-	MW 75-C	130[#]
UEWH/U@	UEWH/U@	Polyurethane	-	MW 82-C	180
UEWN/U@	UEWN/U@	Polyurethane	Polyamide	MW 80-C	155
		Polyurethane	Polyamide	MW 28-C	130[#]
UEWS/U	UEWS/U	Polyurethane	-	MW 75-C	130[#]

Material Designation	Mark Dsg	Base Coat	Top Coat	Bond Coat	ANSI/Conductor Type	Temp Class
AIW/U	AIW/U	Polyamide-imide	-	-	-	240
PEW/U	PEW/U	Polyester	-	-	-	130[#]
PEW1/U	PEW1/U	Polyester	-	-	-	130[#]
SAI/U	SAI/U	Polyester	Polyamide-imide	-	-	180
SNY/U	SNY/U	Polyester	Polyamide	-	-	155[#]

UEF1/U@	UEF1/U@	Polyurethane	-	-	-	200

[#] - The magnet wire may perform better than the rating reflects and may not be suitable for insulation system, varnish or end-product testing. Further consideration is necessary prior to its use in testing.

@ - Additional suffix LITZ is added when it is shipped as Litz wire construction.

Marking: Company name, material designation or marked designation and the Recognized Component Mark, on the shipping spool label or smallest unit container in which the product is packaged.

Last Updated on 2016-12-05

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UL Product iQ®

OANZ2.E50292 - Insulating Tape - Component

Insulating Tape - Component

SYMBIO INC
12 Xinghua Rd
Taoyuan District
Taoyuan, 330 Taiwan

E50292

Cat. No.	Color	Temp (°C)	Optional Ratings: Flame Retardant+	Optional Ratings: Sunlight Resistant+	Optional Ratings: Cold Resistant+
Aramid nomex paper insulating tapes					
NM130	White	200	Yes	No	No
NM13K	White	155	Yes	No	No
Aramid paper insulating tapes					
NM13	White	155	Yes	No	No
Polyethylene-terephthalate film insulating tapes with acrylic adhesive					
35660 (a)	All	130	Yes	No	No
35660V1	All except Clear	130	Yes	No	No
35660W	White	130	Yes	No	No
35660Y (e)	Yellow	130	Yes	No	No
35661 (c)	Beige	130	No	No	No
MY130 (b)	All	130	No	No	No
MY2YZ	Yellow	130	Yes	No	No
MY95AF (h)	White	130	Yes	No	No
MY9BHF (f)	Black	130	Yes	No	No
MY9XAF (g)	Red, Yellow, Blue, Green, Black, White, Clear	130	Yes	No	No
MY9XHF (f)	Red, Yellow, Blue, Green, White	130	No	No	No
MY9YAF (h)	Light Yellow	130	Yes	No	No
Polyethylene-terephthalate film insulating tapes with rubber based adhesive					
MYOY (d)	Yellow	130	No	No	No
Polyethylene-terephthalate film with non-woven PET fiber reinforcement insulating tapes with acrylic adhesive					
35661-2 (h)	Beige	130	No	No	No
35661-3 (h)	Beige	130	No	No	No
Polyimide film insulating tapes with acrylic adhesive					
KA170	Amber	200	Yes	No	No

Polyimide film insulating tapes with silicone base adhesive					

KA00	Amber	200	Yes	No	No
KA00G	Amber	200	Yes	No	No
KA02	Amber	200	Yes	No	No
KA180	Amber	200	Yes	No	No
KA180E	Amber	200	Yes	No	No
KA180H	Amber	200	Yes	No	No
KA180HA	Amber	200	Yes	No	No
KA180K	Amber	200	Yes	No	No
KA180L	Amber	200	Yes	No	No
KA200	Amber	200	Yes	No	No
Woven acetate cloth insulating tapes with rubber base adhesive					
ACO	All	130	Yes	No	No
Woven fiberglass coated with PTFE insulating tapes with silicone base adhesive					
TF05	Brown	180	Yes	No	No
Woven glass cloth insulating tapes with acrylic adhesive					
GL15	White	155	No	No	No
Woven glass cloth insulating tapes with rubber adhesive					
GL27	White	130	No	No	No
Woven glass clothes backing with silicone adhesive					
GL06	White	200	No	No	No
GL08	White	200	Yes	No	No

+ Complies with "Flame Retardant" and/or "Cold Resistant" and/or "Sunlight Resistant" requirements if authorized in the table above and when so marked.

(a) - "Film side CTI Performance Level Category PLC=3, Voltage 225 or less, per UL 746A/ASTM D3638", and/or "Film side CTI225 per IEC112, Third Edition (1979) ", and/or "Adhesive side CTI Performance Level Category PLC=2, Voltage 250 or less, per UL 746A/ASTM D3638", and/or "Adhesive side CTI 250 per IEC112, Third Edition (1979) " or equivalent.

(b) - "Film side CTI Performance Level Category PLC=3 Voltage 200 or less per UL 746A/ASTM D3638", or equivalent.

(c) - "Film/adhesive side CTI Performance Level Category PLC=0, Voltage 600 or greater, per UL 746A/ASTM D 3638" and/or "Film/adhesive side CTI 600 per IEC112, Third Edition (1979)" or equivalent.

(d) - "CTI Performance Level Category film side PLC=0, Voltage 600 or greater, per UL 746A/ASTM D3638" and/or "Film Side CTI 600 - 0.19mm per IEC112, Third Edition (1979)" or equivalent.

(e) - Adhesive side CTI Performance Level Category PLC=0, Voltage 600 or greater, per UL 746A/ASTM D 3638 or "Adhesive side CTI 575-0.20 per IEC60112, 4th Edition (2003)" or "Film side CTI Performance Level Category PLC=0,Voltage 600 or greater, per UL 746A/ASTM D 3638" or "Film side CTI 575-0.43 per IEC60112, 4th Edition (2003)"or equivalent.

(f) - "Film side CTI Performance Level Category PLC=2, Voltage 281, per UL 746A/ASTM D3638", and/or "Adhesive side CTI Performance Level Category PLC=2, Voltage 385, per UL 746A/ASTM D3638", or equivalent.

(g) - "Film side CTI Performance Level Category PLC=3, Voltage 228, per UL 746A/ASTM D3638", and/or "Adhesive side CTI Performance Level Category PLC = 2, Voltage 302, per UL 746A/ASTM D3638", or equivalent.

(h) - "Film/adhesive side CTI Performance Level Category PLC=0, Voltage 600 or greater, per UL 746A/ASTM D 3638" or equivalent.

X - Where X is replaced by a number indicating color, for Cat. No. MY9XHF--0 = red, 1 = yellow, 2 = blue, 3 = green, W = white, B = black; as for Cat. No. MY9XAF, all the descriptions are the same, plus Y = light yellow and C = clear.

Marking: Company name or tradename "E50292", catalog designation printed On the central paper core Or outer package.

Last Updated on 2022-09-12

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UL Product iQ®

OANZ2.E165111 - Insulating Tape - Component

Insulating Tape - Component

JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD E165111
SOUTHWEST AROUND RD
JINGJIANG, JIANGSU 214500 China

			Optional Ratings		
Cat. No.	**Color**	**Temp (°C)**	**Flame Retardant+**	**Sunlight Resistant+**	**Cold Resistant+**
Nonwoven cloth/polyethylene terephthalate film insulating tapes					
WF* (c)(h)	White	130	Yes	No	No
PET film with Acrylic adhesive					
CT-285B	Black	130	No	No	Yes
PET film with polyester non-woven fabric reinforcement and rubber adhesive tape					
WFF(f)	Brown	130	No	No	No
PET films with acrylic adhesive insulating tape					
CT-280B	Yellow	130	No	No	Yes
CT-282F	Blue	130	Yes	No	Yes
CT-286F	White	130	Yes	No	Yes
Polyethylene terephthalate film insulating tapes					
CT (b)(g)	Clear	130	No	No	No
CT* (b)(g)	All except Clear	130	Yes	No	No
CT* (c)(g)	Yellow	130	Yes	No	No
PZ* (b)	Yellow	130	Yes	No	No
Polyimide film insulating tapes					
PF* (d)(g)	Amber	180	Yes	No	No

+ Complies with "Flame Retardant" and/or "Cold Resistant" and/or "Sunlight Resistant" requirements if authorized in the table above and when so marked.

(b) - Comparative Tracking Index (CTI) performance indicates material Group IIIa, PLC=2, CTI equal to or greater than 250 but less than 400 v.

(c) - Comparative Tracking Index (CTI) performance indicates material Group I, PLC=0, CTI equal to or greater than 600 v.

(d) - Comparative Tracking Index (CTI) performance indicates material Group IIIb, PLC=4, CTI equal to or greater than 100 v but less than 175v.

(f) - The CTI test was conducted indicates material Group I, PLC=0, CTI equal to or greater than 600 v per IEC 60112, 4th Edition 2003 and the assigned level is based on the testing of both film and adhesive sides.

(g) - The CTI test was conducted per IEC 60112, 4th Edition 2003 and the assigned level is based on the testing of both film and adhesive sides.

(h) - The CTI test was conducted per IEC 60112, 4th Edition 2003 and the assigned level is based on the testing of both film and adhesive sides.

* - May be followed by suffixes

Marking: Company name or tradename "E165111", catalog designation printed On the central paper core Or outer package.

Last Updated on 2021-12-24

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UL Product iQ®

OBOR2.E228349 - Varnishes - Component

Varnishes - Component

SUZHOU TAIHU ELECTRIC ADVANCED MATERIAL CO LTD E228349
BEI SHI
WUJIANG, JIANGSU 215214 China

Varnish Designation	ANSI Type	Thermal Class (°C) Twisted Pair	Helical Coil	Curved Electrode
ET-90(a)	MW 24-C	155	180	-
	MW 28-C	130	-	-
	MW 35-C	180	200	-
	MW 76-C	180	200	-
T-1168(a)	MW 24-C	155	180	-
	MW 28-C	130	-	-
	MW 35-C	180	200	-
	MW 76-C	180	200	-
T-1169(a)	MW 24-C	155	180	-
	MW 28-C	130	-	-
	MW 35-C	200	200	-
	MW 76-C	180	200	-
T-1180(a)	MW 16-C	240	200	-
T-4260(a)	MW 28-C	130	-	-
	MW 76-C	180	-	-
	MW 80-C	155	-	-

(a) - May be followed by one or two alphanumeric suffix indicating viscosity.

Marking: Company name and model designation.

Last Updated on 2021-06-01

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測試報告
Test Report

號碼(No.): ETR22A03648　　日期(Date): 28-Oct-2022　　

長春人造樹脂廠股份有限公司新竹廠 (CHANG CHUN PLASTICS CO., LTD. (HSINCHU FACTORY))
新竹縣湖口鄉新竹工業區中華路8號 (NO. 8, CHUNG HWA ROAD, HSINCHU INDUSTRIAL DISTRICT 303, TAIWAN)

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

送樣廠商(Sample Submitted By)	:	長春人造樹脂廠股份有限公司新竹廠 (CHANG CHUN PLASTICS CO., LTD. (HSINCHU FACTORY))
樣品名稱(Sample Name)	:	PHENOLIC MOLDING COMPOUND
樣品型號(Style/Item No.)	:	T373J / T385J / T385J IB / T385J I / T383J / T383JC01 / T33 / T33 I / T-365 / T-365FA / T365FA H/ T614 / T-308J / T359J / T33J / T-377J / T377-JA / T-378J / T378JB / T378JB A / T375J / T375HF / T-376J / T376J A / T376J H / T376J G / T355J / T357 / T-310 / T399J / T391 / T651 /T651 J / T651 C / T655 / T655 J/T655 C/ T659 / T200HF / T200NA / T205HF / T215HF / T215NA / T220NA / T220NA S/ T225HF / T200HF G / T39 / T385JPL / T308 / T383JF / T383J B / T385J B / T575J / T576J / T578J / T350J / T320J / T375HF M / T375HF G / T330J / T355HF

==========

收件日(Sample Receiving Date)	:	21-Oct-2022
測試期間(Testing Period)	:	21-Oct-2022 to 28-Oct-2022

測試需求(Test Requested) :
(1) 依據客戶指定，參考RoHS 2011/65/EU Annex II及其修訂指令(EU) 2015/863測試鎘、鉛、汞、六價鉻、多溴聯苯、多溴聯苯醚, DBP, BBP, DEHP, DIBP。 (As specified by client, with reference to RoHS 2011/65/EU Annex II and amending Directive (EU) 2015/863 to determine Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP contents in the submitted sample(s).)
(2) 其他測試項目請見下一頁。 (Please refer to next pages for the other item(s).)

測試結果(Test Results) : 請參閱下一頁 (Please refer to following pages.)

結　論(Conclusion) :
(1) 根據客戶所提供的樣品，其鎘、鉛、汞、六價鉻、多溴聯苯、多溴聯苯醚, DBP, BBP, DEHP, DIBP的測試結果符合RoHS 2011/65/EU Annex II暨其修訂指令(EU) 2015/863之限值要求。 (Based on the performed tests on submitted sample(s), the test results of Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.)

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

CHECK REPORT
PIN CODE: 867451EB

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測試報告
Test Report

長春人造樹脂廠股份有限公司新竹廠 (CHANG CHUN PLASTICS CO., LTD. (HSINCHU FACTORY))
新竹縣湖口鄉新竹工業區中華路8號 (NO. 8, CHUNG HWA ROAD, HSINCHU INDUSTRIAL DISTRICT 303, TAIWAN)

測試部位敘述 (Test Part Description)

No.1 : 黑色細粒 (BLACK GRAIN)

測試結果 (Test Results)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)	限值 (Limit)
				No.1	
鎘 (Cd) (Cadmium (Cd)) (CAS No.: 7440-43-9)	參考IEC 62321-5: 2013，以感應耦合電漿發射光譜儀分析。(With reference to IEC 62321-5: 2013, analysis was performed by ICP-OES.)	mg/kg	2	n.d.	100
鉛 (Pb) (Lead (Pb)) (CAS No.: 7439-92-1)	參考IEC 62321-5: 2013，以感應耦合電漿發射光譜儀分析。(With reference to IEC 62321-5: 2013, analysis was performed by ICP-OES.)	mg/kg	2	n.d.	1000
汞 (Hg) (Mercury (Hg)) (CAS No.: 7439-97-6)	參考IEC 62321-4: 2013+ AMD1: 2017，以感應耦合電漿發射光譜儀分析。(With reference to IEC 62321-4: 2013+ AMD1: 2017, analysis was performed by ICP-OES.)	mg/kg	2	n.d.	1000
六價鉻 Cr(VI) (Hexavalent Chromium Cr(VI)) (CAS No.: 18540-29-9)	參考IEC 62321-7-2: 2017，以紫外光-可見光分光光度計分析。(With reference to IEC 62321-7-2: 2017, analysis was performed by UV-VIS.)	mg/kg	8	n.d.	1000
一溴聯苯 (Monobromobiphenyl)	參考IEC 62321-6: 2015，以氣相層析儀/質譜儀分析。(With reference to IEC 62321-6: 2015, analysis was performed by GC/MS.)	mg/kg	5	n.d.	-
二溴聯苯 (Dibromobiphenyl)		mg/kg	5	n.d.	-
三溴聯苯 (Tribromobiphenyl)		mg/kg	5	n.d.	-
四溴聯苯 (Tetrabromobiphenyl)		mg/kg	5	n.d.	-
五溴聯苯 (Pentabromobiphenyl)		mg/kg	5	n.d.	-
六溴聯苯 (Hexabromobiphenyl)		mg/kg	5	n.d.	-
七溴聯苯 (Heptabromobiphenyl)		mg/kg	5	n.d.	-
八溴聯苯 (Octabromobiphenyl)		mg/kg	5	n.d.	-
九溴聯苯 (Nonabromobiphenyl)		mg/kg	5	n.d.	-
十溴聯苯 (Decabromobiphenyl)		mg/kg	5	n.d.	-
多溴聯苯總和 (Sum of PBBs)		mg/kg	-	n.d.	1000

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新竹縣湖口鄉新竹工業區中華路8號 (NO. 8, CHUNG HWA ROAD, HSINCHU INDUSTRIAL DISTRICT 303, TAIWAN)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result) No.1	限值 (Limit)
一溴聯苯醚 (Monobromodiphenyl ether)	參考IEC 62321-6: 2015，以氣相層析儀/質譜儀分析。(With reference to IEC 62321-6: 2015, analysis was performed by GC/MS.)	mg/kg	5	n.d.	-
二溴聯苯醚 (Dibromodiphenyl ether)		mg/kg	5	n.d.	-
三溴聯苯醚 (Tribromodiphenyl ether)		mg/kg	5	n.d.	-
四溴聯苯醚 (Tetrabromodiphenyl ether)		mg/kg	5	n.d.	-
五溴聯苯醚 (Pentabromodiphenyl ether)		mg/kg	5	n.d.	-
六溴聯苯醚 (Hexabromodiphenyl ether)		mg/kg	5	n.d.	-
七溴聯苯醚 (Heptabromodiphenyl ether)		mg/kg	5	n.d.	-
八溴聯苯醚 (Octabromodiphenyl ether)		mg/kg	5	n.d.	-
九溴聯苯醚 (Nonabromodiphenyl ether)		mg/kg	5	n.d.	-
十溴聯苯醚 (Decabromodiphenyl ether)		mg/kg	5	n.d.	-
多溴聯苯醚總和 (Sum of PBDEs)		mg/kg	-	n.d.	1000
鄰苯二甲酸丁苯甲酯 (BBP) (Butyl benzyl phthalate (BBP)) (CAS No.: 85-68-7)	參考IEC 62321-8: 2017，以氣相層析儀/質譜儀分析。(With reference to IEC 62321-8: 2017, analysis was performed by GC/MS.)	mg/kg	50	n.d.	1000
鄰苯二甲酸二丁酯 (DBP) (Dibutyl phthalate (DBP)) (CAS No.: 84-74-2)		mg/kg	50	n.d.	1000
鄰苯二甲酸二(2-乙基己基)酯 (DEHP) (Di-(2-ethylhexyl) phthalate (DEHP)) (CAS No.: 117-81-7)		mg/kg	50	n.d.	1000
鄰苯二甲酸二異丁酯 (DIBP) (Diisobutyl phthalate (DIBP)) (CAS No.: 84-69-5)		mg/kg	50	n.d.	1000
四溴雙酚-A (TBBP-A) (Tetrabromobisphenol A (TBBP-A)) (CAS No.: 79-94-7)	參考RSTS-E&E-121，以液相層析儀/質譜儀分析。(With reference to RSTS-E&E-121, analysis was performed by LC/MS.)	mg/kg	10	n.d.	-
中鏈氯化石蠟(C14-C17) (MCCP) (Medium Chain Chlorinated Paraffins(C14-C17) (MCCP)) (CAS No.: 85535-85-9)	參考ISO 18219: 2015，以氣相層析儀/質譜儀分析。(With reference to ISO 18219: 2015, analysis was performed by GC/MS.)	mg/kg	50	n.d.	-

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測試報告
Test Report

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新竹縣湖口鄉新竹工業區中華路8號 (NO. 8, CHUNG HWA ROAD, HSINCHU INDUSTRIAL DISTRICT 303, TAIWAN)

備註(Note)：

1. mg/kg = ppm；0.1wt% = 0.1% = 1000ppm
2. MDL = Method Detection Limit (方法偵測極限值)
3. n.d. = Not Detected (未檢出)；小於MDL / Less than MDL
4. "-" = Not Regulated (無規格值)
5. 除非另有說明，參照ILAC-G8:09/2019，採用簡單二元(w=0)允收規則進行符合性判定；根據此規則，符合性結果之判定係以測試結果與限值做比較。(Unless otherwise stated , the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019. According to this rule, the judgement of conformity is based on the comparing test results with limits.)

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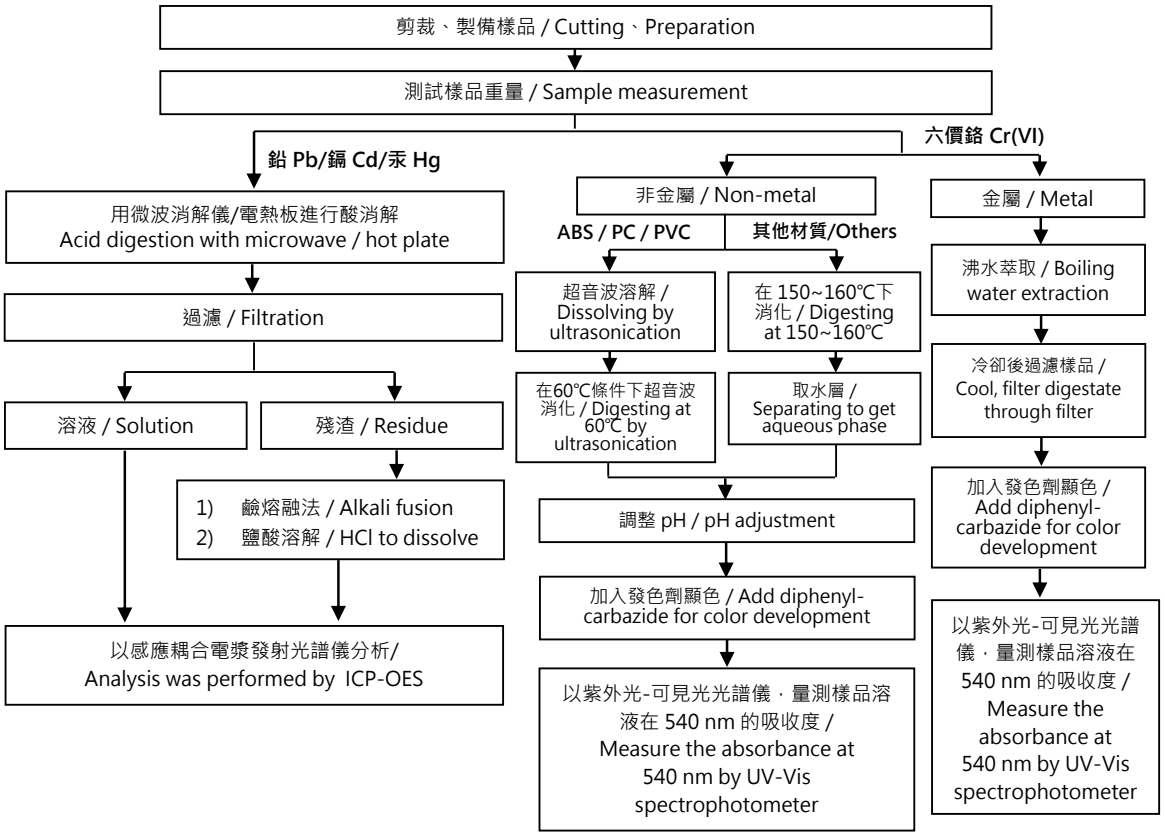
長春人造樹脂廠股份有限公司新竹廠 (CHANG CHUN PLASTICS CO., LTD. (HSINCHU FACTORY))
新竹縣湖口鄉新竹工業區中華路8號 (NO. 8, CHUNG HWA ROAD, HSINCHU INDUSTRIAL DISTRICT 303, TAIWAN)

重金屬流程圖 / Analytical flow chart of heavy metal

根據以下的流程圖之條件，樣品已完全溶解。（六價鉻測試方法除外）

These samples were dissolved totally by pre-conditioning method according to below flow chart.

（Cr^{6+} test method excluded）



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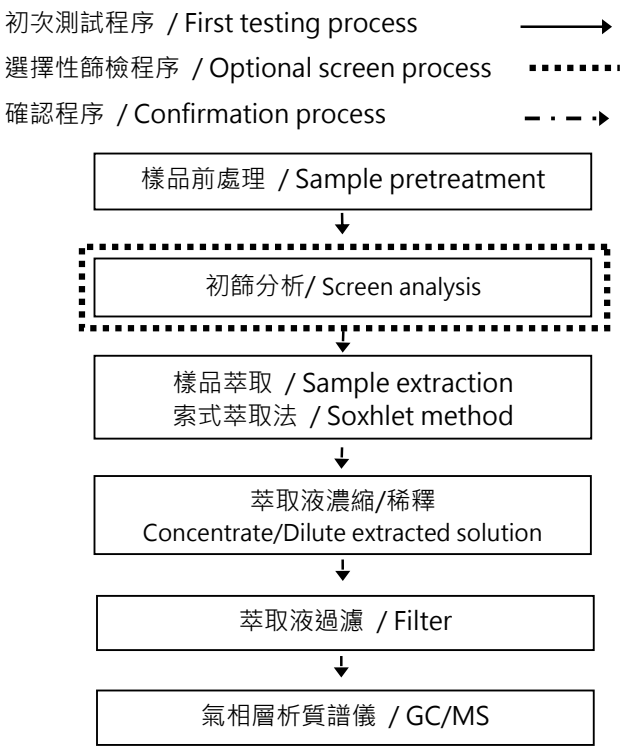
長春人造樹脂廠股份有限公司新竹廠 (CHANG CHUN PLASTICS CO., LTD. (HSINCHU FACTORY))
新竹縣湖口鄉新竹工業區中華路8號 (NO. 8, CHUNG HWA ROAD, HSINCHU INDUSTRIAL DISTRICT 303, TAIWAN)

多溴聯苯/多溴聯苯醚分析流程圖 / Analytical flow chart - PBBs/PBDEs



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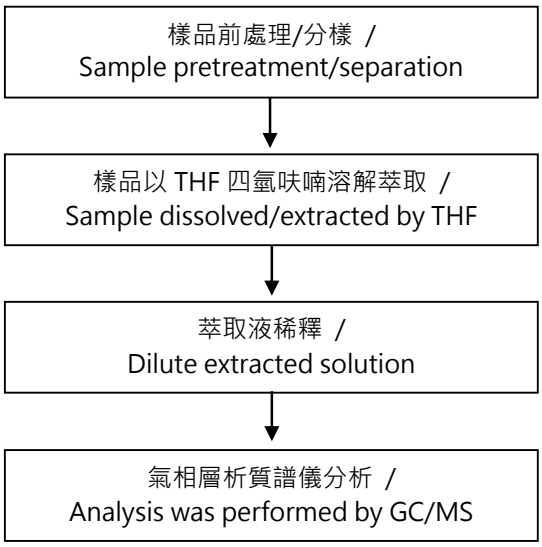
可塑劑分析流程圖 / Analytical flow chart - Phthalate

【測試方法/Test method: IEC 62321-8】



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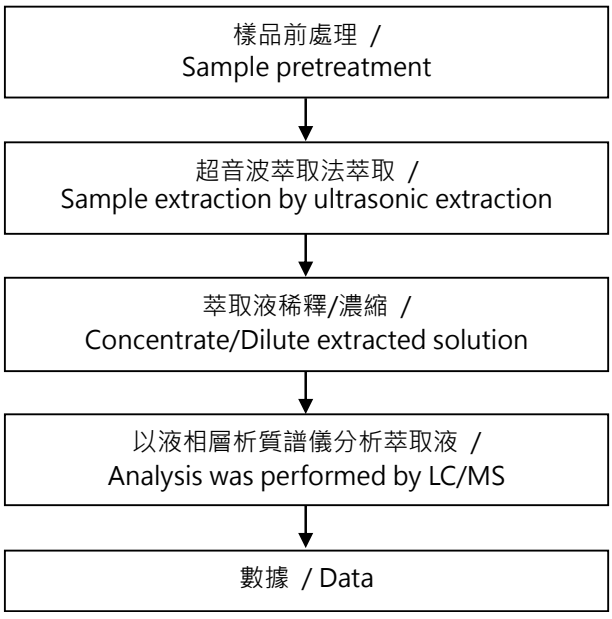
四溴雙酚-A 分析流程圖 / Analytical flow chart - TBBP-A



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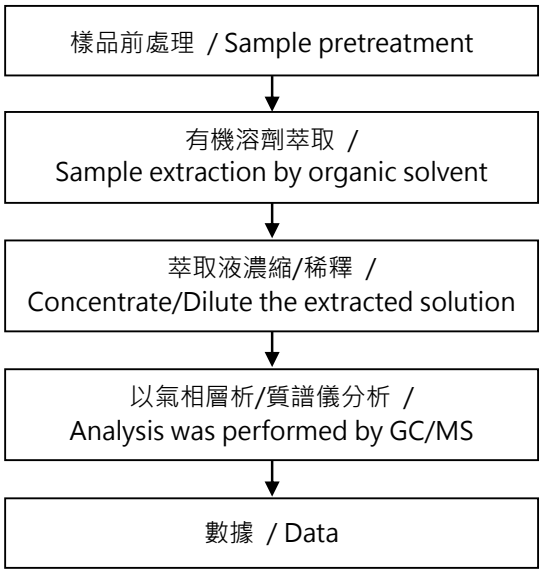
長春人造樹脂廠股份有限公司新竹廠 (CHANG CHUN PLASTICS CO., LTD. (HSINCHU FACTORY))
新竹縣湖口鄉新竹工業區中華路8號 (NO. 8, CHUNG HWA ROAD, HSINCHU INDUSTRIAL DISTRICT 303, TAIWAN)

分析流程圖 / Analytical flow chart

【適用於：多氯聯苯、多氯奈、多氯三聯苯、滅蟻靈、氯化石蠟、DBBT】

*Apply to: PCBs, PCNs, PCTs, Mirex, Chlorinated Paraffins, DBBT



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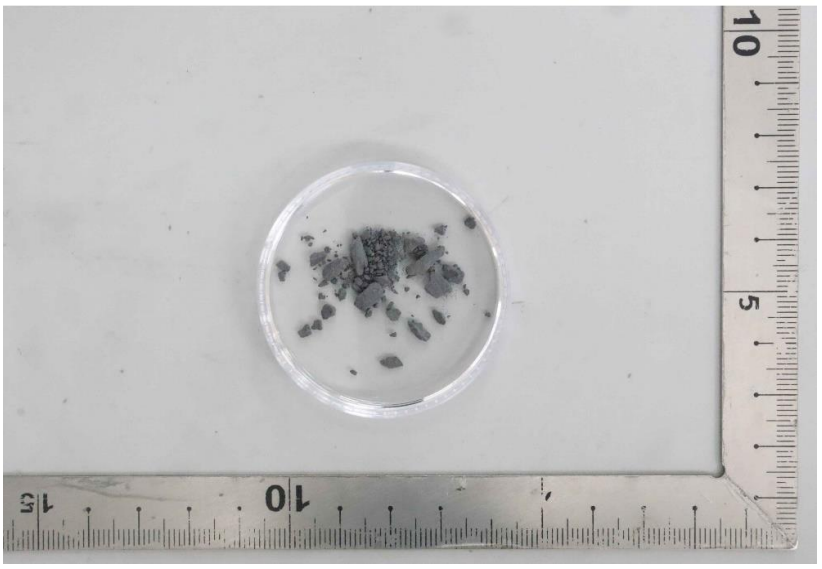
測試報告
Test Report

長春人造樹脂廠股份有限公司新竹廠 (CHANG CHUN PLASTICS CO., LTD. (HSINCHU FACTORY))
新竹縣湖口鄉新竹工業區中華路8號 (NO. 8, CHUNG HWA ROAD, HSINCHU INDUSTRIAL DISTRICT 303, TAIWAN)

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

ETR22A03648



** 報告結尾 (End of Report) **

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检测报告
Test Report

报告编号 A2220426302101009E
Report No. A2220426302101009E

报告抬头公司名称	太平洋电线电缆（深圳）有限公司
Company Name shown on Report	PACIFIC ELECTRIC WIRE ＆CABLE(SHEN ZHEN) CO.,LTD
地　　址	深圳市龙岗区宝龙工业城锦龙四路九号
Address	NO.9 JINLONG 4 ROAD,BAOLONG INDUSTRIAL ESTATE LONGGANG,SHENZHEN

以下测试之样品及样品信息由申请者提供并确认
The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

样品名称	8mm 铜条
Sample Name	8mm Copper
样品型号	ϕ8mm
Part No.	ϕ8mm
样品批号	2022006
Item No.	2022006
样品接收日期	2022.09.23
Sample Received Date	Sep. 23, 2022
样品检测日期	2022.09.23-2022.09.29
Testing Period	Sep. 23, 2022 to Sep. 29, 2022

测试内容 Test Conducted:
根据客户的申请要求，具体要求详见下一页。
As requested by the applicant. For details refer to next page(s).

主　检 Tested by	黄伟龙	审　核 Reviewed by	刘琳慧
批　准 Approved by	郑晴涛	日　期 Date	2022.09.29

郑晴涛
技术经理 Technical Manager

No. R294341026

华测检测认证集团股份有限公司
Centre Testing International Group Co.,Ltd.
广东省深圳市宝安区新安街道兴东社区华测检测大楼
CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

CTI 华测检测

检测报告
Test Report

测试摘要 Executive Summary:

测试要求 TEST REQUEST		测试结果 CONCLUSION
1)	根据客户及欧盟 RoHS 指令 2011/65/EU 及其修订指令(EU) 2015/863 要求，对所提交样品中的铅(Pb)，镉(Cd)，汞(Hg)，六价铬(Cr(VI))，多溴联苯(PBBs)，多溴二苯醚(PBDEs)，邻苯二甲酸酯(DBP, BBP, DEHP, DIBP)进行测试。 As specified by client and according to RoHS Directive 2011/65/EU with amendment (EU) 2015/863, to test Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers (PBDEs), Phthalates (DBP, BBP, DEHP, DIBP)in the submitted sample(s).	见结果页 See test result(s)
2)	根据客户要求，对所提交样品中的铍(Be)进行测试。 As specified by client, to test Beryllium(Be) in the submitted sample(s).	见结果页 See test result(s)
3)	美国环保署有毒物质控制法(TSCA)第 6(h)部分关于持久性、生物累积性和毒性(PBT)化学物质的管控 Persistent, Bioaccumulative, and Toxic (PBT) Chemicals under US EPA Toxic Substances Control Act (TSCA) Section 6(h)	
-	十溴二苯醚 Decabromodiphenyl Ether (DecaBDE)	符合 PASS
-	异丙基化磷酸三苯酯 Phenol, Isopropylated Phosphate (PIP (3:1))	符合 PASS
-	2,4,6-三叔丁基苯酚 2,4,6-tris(tert-butyl) phenol (2,4,6-TTBP)	符合 PASS
-	六氯丁二烯 Hexachlorobutadiene (HCBD)	符合 PASS
-	五氯苯硫酚 Pentachlorothiophenol (PCTP)	符合 PASS

**********详细结果，请见下页**********

********** For further details, please refer to the following page(s) **********

检测报告
Test Report

检测依据 Test Method

测试项目 Tested Item(s)	测试方法 Test Method	测试仪器 Measured Equipment(s)
铅 Lead (Pb)	IEC 62321-5:2013	ICP-OES
镉 Cadmium (Cd)	IEC 62321-5:2013	ICP-OES
汞 Mercury (Hg)	IEC 62321-4:2013+AMD1:2017 CSV	ICP-OES
六价铬 Hexavalent Chromium (Cr(VI))	IEC 62321-7-1:2015	UV-Vis
多溴联苯 Polybrominated Biphenyls (PBBs)*	IEC 62321-6:2015	GC-MS
多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)*	IEC 62321-6:2015	GC-MS
邻苯二甲酸酯 Phthalates (DBP, BBP, DEHP, DIBP)*	IEC 62321-8:2017	GC-MS
铍 Beryllium(Be)	参考 US EPA 3050B:1996 & US EPA 6010D:2018 Refer to US EPA 3050B:1996 & US EPA 6010D:2018	ICP-OES

检测报告
Test Report

检测结果 1 Test Result(s) 1

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
铅 Lead (Pb)	N.D.	2 mg/kg
镉 Cadmium (Cd)	N.D.	2 mg/kg
汞 Mercury (Hg)	N.D.	2 mg/kg
六价铬 Hexavalent Chromium (Cr(VI))	N.D.▼	0.10 μg/cm² (LOQ)

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
多溴联苯 Polybrominated Biphenyls (PBBs)*		
一溴联苯 Monobromobiphenyl	N.D.	5 mg/kg
二溴联苯 Dibromobiphenyl	N.D.	5 mg/kg
三溴联苯 Tribromobiphenyl	N.D.	5 mg/kg
四溴联苯 Tetrabromobiphenyl	N.D.	5 mg/kg
五溴联苯 Pentabromobiphenyl	N.D.	5 mg/kg
六溴联苯 Hexabromobiphenyl	N.D.	5 mg/kg
七溴联苯 Heptabromobiphenyl	N.D.	5 mg/kg
八溴联苯 Octabromobiphenyl	N.D.	5 mg/kg
九溴联苯 Nonabromobiphenyl	N.D.	5 mg/kg
十溴联苯 Decabromobiphenyl	N.D.	5 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)*		
一溴二苯醚 Monobromodiphenyl ether	N.D.	5 mg/kg
二溴二苯醚 Dibromodiphenyl ether	N.D.	5 mg/kg
三溴二苯醚 Tribromodiphenyl ether	N.D.	5 mg/kg
四溴二苯醚 Tetrabromodiphenyl ether	N.D.	5 mg/kg
五溴二苯醚 Pentabromodiphenyl ether	N.D.	5 mg/kg
六溴二苯醚 Hexabromodiphenyl ether	N.D.	5 mg/kg
七溴二苯醚 Heptabromodiphenyl ether	N.D.	5 mg/kg
八溴二苯醚 Octabromodiphenyl ether	N.D.	5 mg/kg
九溴二苯醚 Nonabromodiphenyl ether	N.D.	5 mg/kg
十溴二苯醚 Decabromodiphenyl ether	N.D.	5 mg/kg

检测报告
Test Report

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
邻苯二甲酸酯 Phthalates (DBP, BBP, DEHP, DIBP)*		
邻苯二甲酸二丁酯 Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	50 mg/kg
邻苯二甲酸丁基苄基酯 Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	50 mg/kg
邻苯二甲酸二(2-乙基)己酯 Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	50 mg/kg
邻苯二甲酸二异丁酯 Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	50 mg/kg

检测结果 2 Test Result(s) 2

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
铍 Beryllium (Be)	N.D.	2 mg/kg

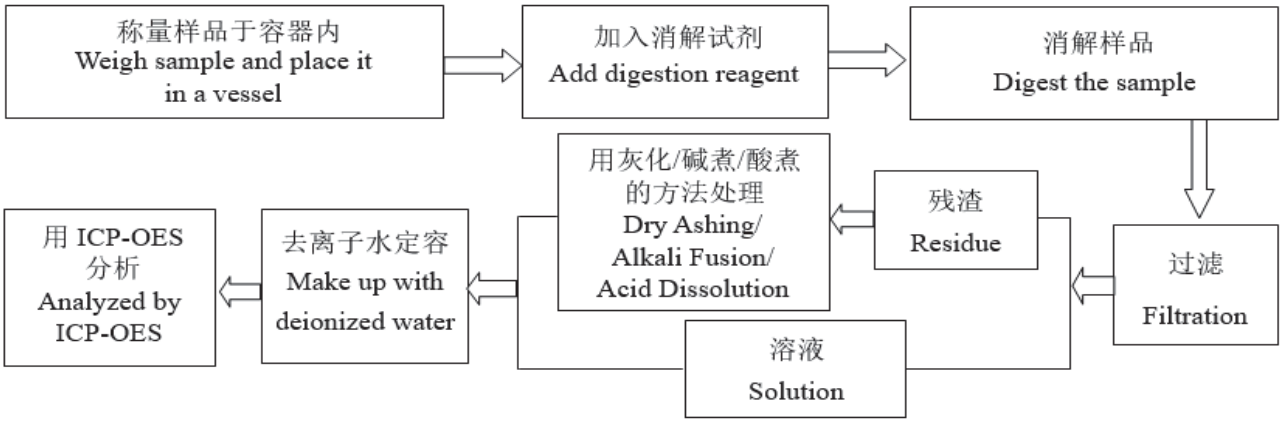
备注: **对于检测铅，镉，汞，铍之样品已消解完全。**
-N.D. = 未检出 (小于方法检出限)
-mg/kg = ppm = 百万分之一

Remark: **The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury, Beryllium.**
-MDL = Method Detection Limit
-N.D. = Not Detected (<MDL)
-mg/kg = ppm = parts per million

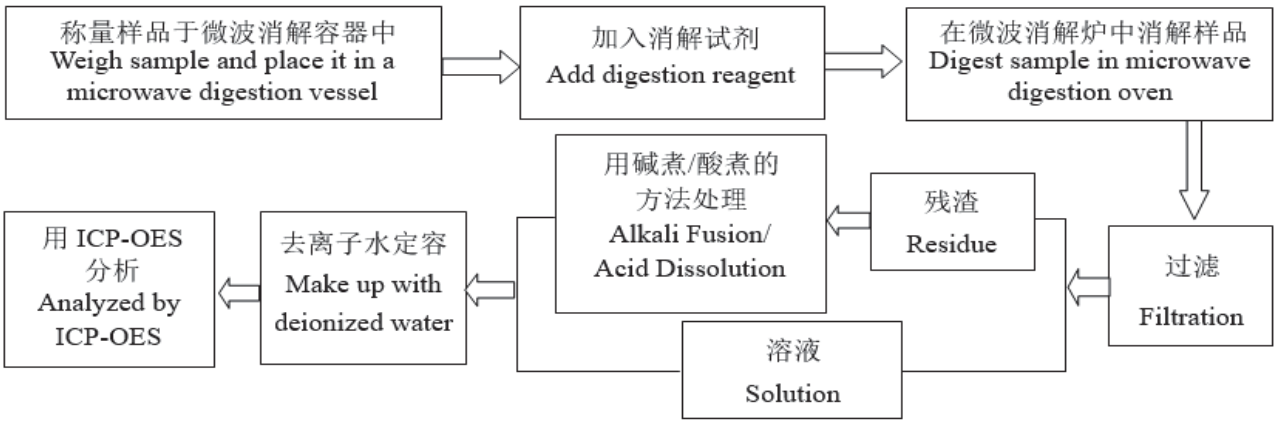
检测报告
Test Report

检测流程 Test Process

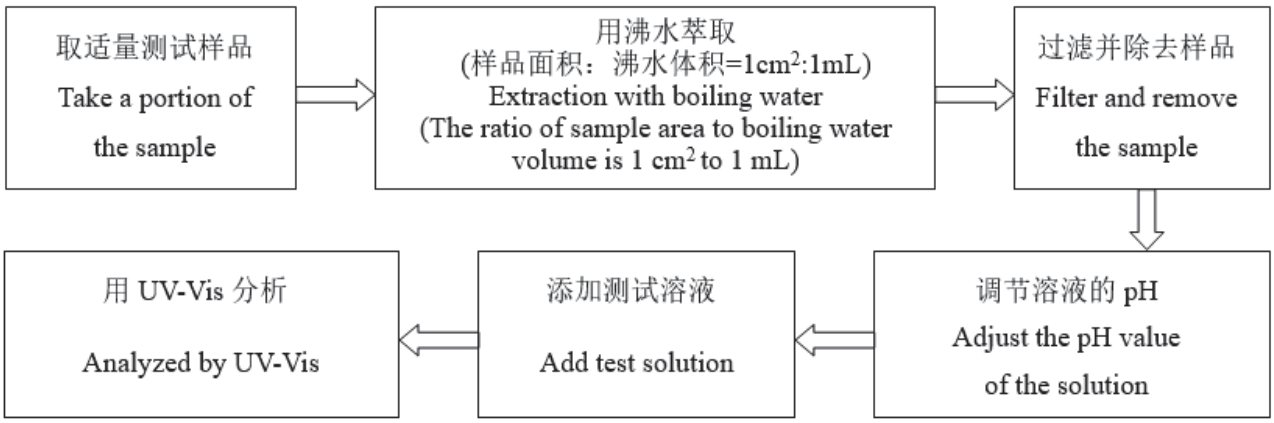
1. 铅 Lead (Pb), 镉 Cadmium (Cd)



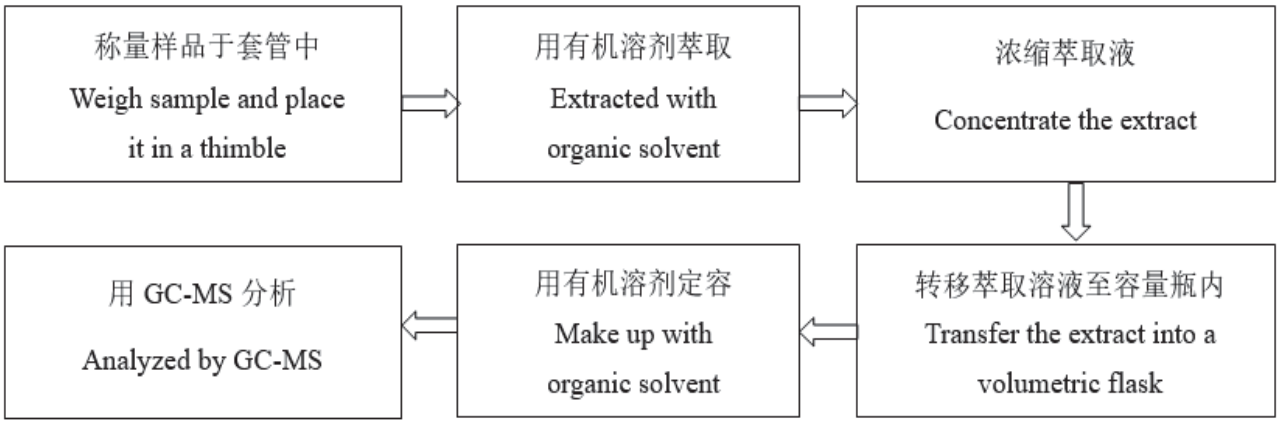
2. 汞 Mercury (Hg)



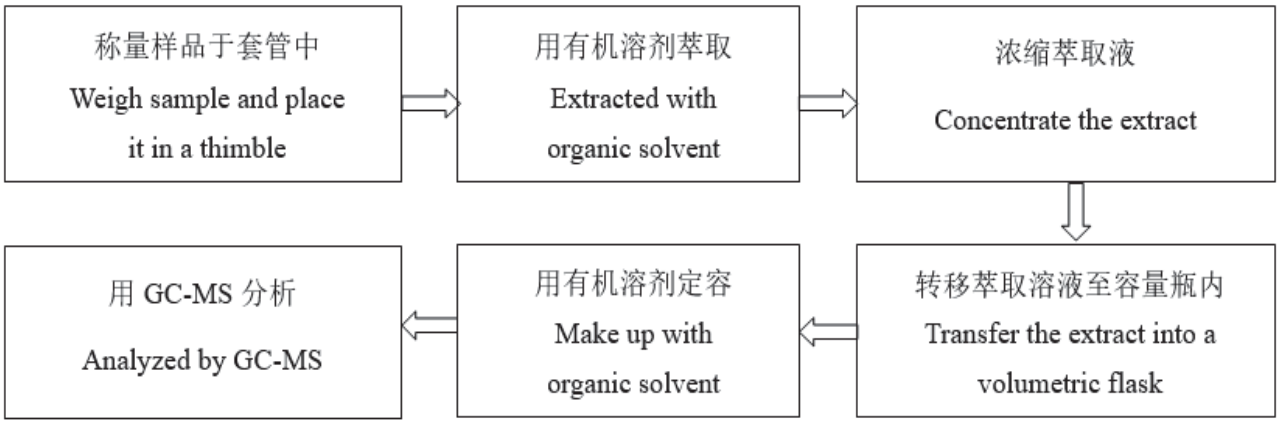
3. 六价铬 Hexavalent Chromium (Cr(VI))



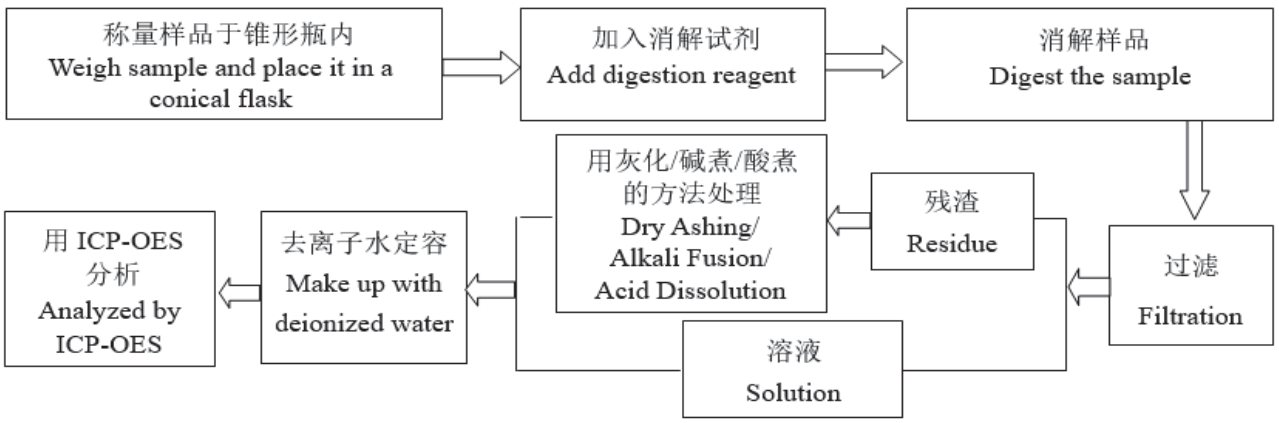
4. 多溴联苯 Polybrominated Biphenyls (PBBs), 多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)



5. 邻苯二甲酸酯 Phthalates (DBP, BBP, DEHP, DIBP)



6. 铍 Beryllium(Be)



检测报告
Test Report

检测结果 3 Test Result(s) 3

美国环保署有毒物质控制法(TSCA)第 6(h)部分关于持久性、生物累积性和毒性(PBT)化学物质的管控 Persistent, Bioaccumulative, and Toxic (PBT) Chemicals under US EPA Toxic Substances Control Act (TSCA) Section 6(h)

▼十溴二苯醚 Decabromodiphenyl Ether (DecaBDE)*

参考方法 US EPA 3550C:2007&US EPA 8270E:2018，通过 GC-MS 分析。
Refer to method(s)US EPA 3550C:2007&US EPA 8270E:2018, and the item(s) was/were analyzed by GC-MS.

测试项目 Tested Item(s)	结果 Result (mg/kg)	报告检出限 Report Limit(mg/kg)	限值 Limit (mg/kg)
十溴二苯醚 Decabromodiphenyl Ether (DecaBDE)	N.D.	5	N.D.

备注 Remark:
- N.D. = 未检出 Not Detected (小于报告检出限<Report Limit)
- mg/kg = ppm = 百万分之一 parts per million

▼异丙基化磷酸三苯酯 Phenol, Isopropylated Phosphate (PIP (3:1))*

参考方法 US EPA 3550C:2007&US EPA 8270E:2018，通过 GC-MS 分析。
Refer to method(s)US EPA 3550C:2007&US EPA 8270E:2018, and the item(s) was/were analyzed by GC-MS.

测试项目 Tested Item(s)	结果 Result (mg/kg)	报告检出限 Report Limit(mg/kg)	限值 Limit (mg/kg)
异丙基化磷酸三苯酯 Phenol, Isopropylated Phosphate (PIP (3:1))	N.D.	5	N.D.

备注 Remark:
- N.D. = 未检出 Not Detected (小于报告检出限<Report Limit)
- mg/kg = ppm = 百万分之一 parts per million

检测报告
Test Report

▼2,4,6-三叔丁基苯酚 2,4,6-tris(tert-butyl) phenol (2,4,6-TTBP)*

参考方法 US EPA 3550C:2007&US EPA 8270E:2018，通过 GC-MS 分析。
Refer to method(s)US EPA 3550C:2007&US EPA 8270E:2018, and the item(s) was/were analyzed by GC-MS.

测试项目 Tested Item(s)	结果 Result (mg/kg)	报告检出限 Report Limit(mg/kg)	限值 Limit (mg/kg)
2,4,6-三叔丁基苯酚 2,4,6-tris(tert-butyl) phenol (2,4,6-TTBP)	N.D.	5	3000

备注 Remark:
- N.D. = 未检出 Not Detected (小于报告检出限<Report Limit)
- mg/kg = ppm = 百万分之一 parts per million

▼六氯丁二烯 Hexachlorobutadiene (HCBD)*

参考方法 US EPA 3550C:2007&US EPA 8270E:2018，通过 GC-MS 分析。
Refer to method(s)US EPA 3550C:2007&US EPA 8270E:2018, and the item(s) was/were analyzed by GC-MS.

测试项目 Tested Item(s)	结果 Result (mg/kg)	报告检出限 Report Limit(mg/kg)	限值 Limit (mg/kg)
六氯丁二烯 Hexachlorobutadiene (HCBD)	N.D.	5	N.D.

备注 Remark:
- N.D. = 未检出 Not Detected (小于报告检出限<Report Limit)
- mg/kg = ppm = 百万分之一 parts per million

检测报告
Test Report

▼五氯苯硫酚 Pentachlorothiophenol (PCTP)*

参考方法 US EPA 3550C:2007&US EPA 8270E:2018，通过 GC-MS 分析。
Refer to method(s) US EPA 3550C:2007&US EPA 8270E:2018, and the item(s) was/were analyzed by GC-MS.

测试项目 Tested Item(s)	结果 Result (mg/kg)	报告检出限 Report Limit (mg/kg)	限值 Limit (mg/kg)
五氯苯硫酚 Pentachlorothiophenol (PCTP)	N.D.	5	10000

备注 Remark:
- N.D. = 未检出 Not Detected (小于报告检出限 <Report Limit)
- mg/kg = ppm = 百万分之一 parts per million

样品/部位描述 铜色金属
Sample/Part Description Cupreous metal

注释 Note:
-*表示该项目/方法不在 CNAS 认可范围内。
indicates the item(s)/method(s) is (are) not in CNAS accreditation scope.
-本报告中的数据结果供科研、教学、企业内部质量控制、企业产品研发等目的用。
The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.

检测报告
Test Report

样品图片

Photo(s) of the sample(s)



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   The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn’t verified;
3. 本报告检测结果仅对受测样品负责；
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*** 报告结束 ***
*** End of Report ***

Test Report

No. CANEC2213477801 Date: 23 Jun 2022 Page 1 of 7

Client Name : SYMBIO (DONGGUAN) CO.,LTD/SYMBIO SOLUTIONS (DONGGUAN) CO.,LTD

Client Address : BUILDING 1,NO.8,NO,THREE,SILVER LAKE ROAD,SHEKOU,QIAOTOU TOWN,DONGGUAN,GUANGDONG

Sample Name :	MY9YBF
Model No. :	MY9YBF
Lot No. :	10991801
Client Ref. Info. :	MY9YLB，MY9YBF，MY9YF，MY9YF2，MY9YB2，MYHYLB，MY9YBV，MY2YAZ
Supplier :	SYMBIO (DONGGUAN)CO.,LTD/SYMBIO SOLUTIONS (DONGGUAN) CO.,LTD

The above sample(s) and information were provided by the client.

This report is to supersede test report CANEC2124448901

SGS Job No. :	CP22-034606 - SZ
Date of Sample Received :	24 Dec 2021
Testing Period :	24 Dec 2021 - 29 Dec 2021
Test Requested :	Selected test(s) as requested by the client.
Test Method(s) :	Please refer to next page(s).
Test Result(s) :	Please refer to next page(s).
Conclusion :	Based on the performed tests on submitted sample(s), the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) and Phthalates such as Bis(2-ethylhexyl) phthalate (DEHP) , Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) , and Diisobutyl phthalate (DIBP) comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

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F4727F05

Zm guan
Approved Signatory

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Test Result(s) :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	CAN22-134778.001	Yellow adhesive tape

Remarks :

(1) 1 mg/kg = 1 ppm = 0.0001%

(2) MDL = Method Detection Limit

(3) ND = Not Detected (< MDL)

(4) "-" = Not Regulated

RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU

Test Method : With reference to IEC 62321-4:2013+A1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017 , IEC 62321-6:2015 and IEC 62321-8:2017, analyzed by ICP-OES , UV-Vis and GC-MS .

Test Item(s)	Limit	Unit	MDL	*001*
Cadmium (Cd)	100	mg/kg	2	ND
Lead (Pb)	1,000	mg/kg	2	ND
Mercury (Hg)	1,000	mg/kg	2	ND
Hexavalent Chromium (CrVI)	1,000	mg/kg	8	ND
Sum of PBBs	1,000	mg/kg	-	ND
Monobromobiphenyl	-	mg/kg	5	ND
Dibromobiphenyl	-	mg/kg	5	ND
Tribromobiphenyl	-	mg/kg	5	ND
Tetrabromobiphenyl	-	mg/kg	5	ND
Pentabromobiphenyl	-	mg/kg	5	ND
Hexabromobiphenyl	-	mg/kg	5	ND
Heptabromobiphenyl	-	mg/kg	5	ND
Octabromobiphenyl	-	mg/kg	5	ND
Nonabromobiphenyl	-	mg/kg	5	ND
Decabromobiphenyl	-	mg/kg	5	ND
Sum of PBDEs	1,000	mg/kg	-	ND
Monobromodiphenyl ether	-	mg/kg	5	ND
Dibromodiphenyl ether	-	mg/kg	5	ND
Tribromodiphenyl ether	-	mg/kg	5	ND
Tetrabromodiphenyl ether	-	mg/kg	5	ND
Pentabromodiphenyl ether	-	mg/kg	5	ND

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Test Item(s)	Limit	Unit	MDL	*001*
Hexabromodiphenyl ether	-	mg/kg	5	ND
Heptabromodiphenyl ether	-	mg/kg	5	ND
Octabromodiphenyl ether	-	mg/kg	5	ND
Nonabromodiphenyl ether	-	mg/kg	5	ND
Decabromodiphenyl ether	-	mg/kg	5	ND
Dibutyl phthalate (DBP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BBP)	1000	mg/kg	50	ND
Bis (2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	ND
Diisobutyl Phthalates (DIBP)	1000	mg/kg	50	ND

Notes :

(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
(2) IEC 62321 series is equivalent to EN 62321 series
https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101::::FSP_ORG_ID,FSP_LANG_ID:1258637,25
(3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

Halogen

Test Method : With reference to EN 14582:2016, analysis was performed by IC.

Test Item(s)	Unit	MDL	*001*
Fluorine (F)	mg/kg	50	ND
Chlorine (Cl)	mg/kg	50	298
Bromine (Br)	mg/kg	50	ND
Iodine (I)	mg/kg	50	ND

This report updates Client Ref. Info..

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.

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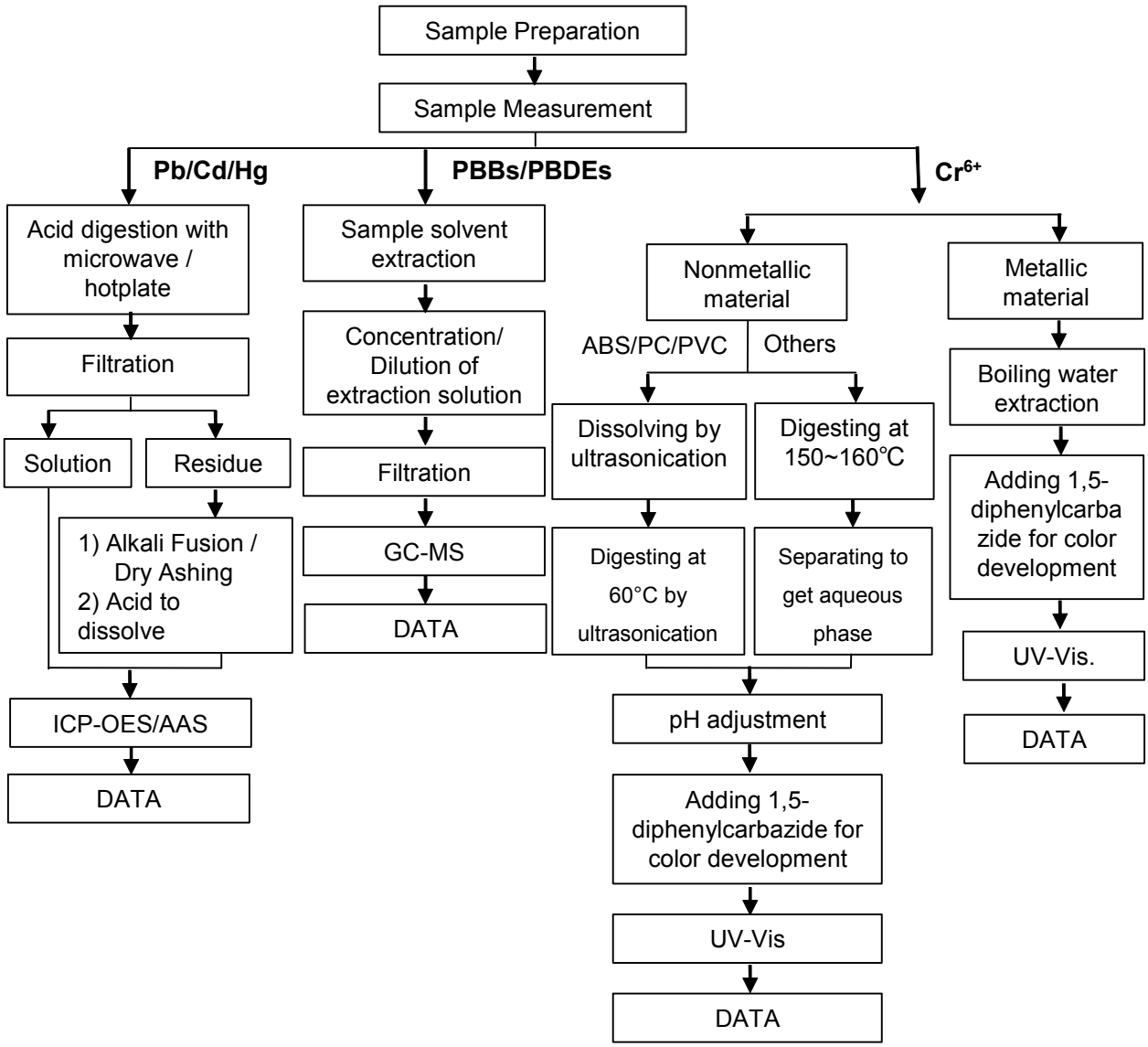
Pb/Cd/Hg/Cr^{6+}/PBBs/PBDEs Testing Flow Chart

1) These samples were dissolved totally by pre -conditioning method according to below flow chart. (Cr^{6+} and PBBs/PBDEs test method excluded).



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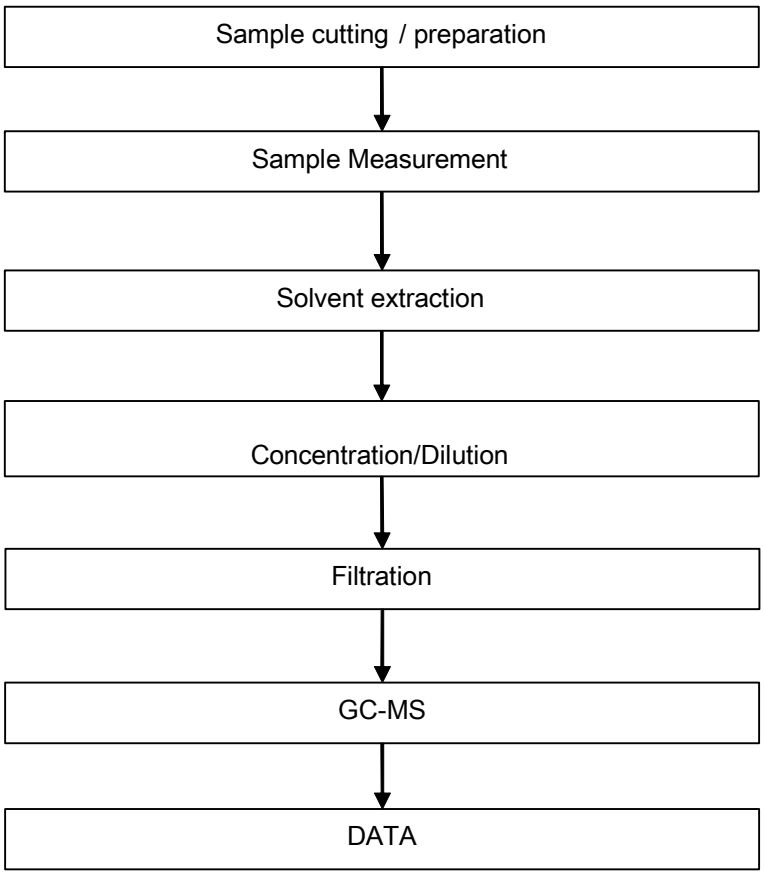
Phthalates Testing Flow Chart



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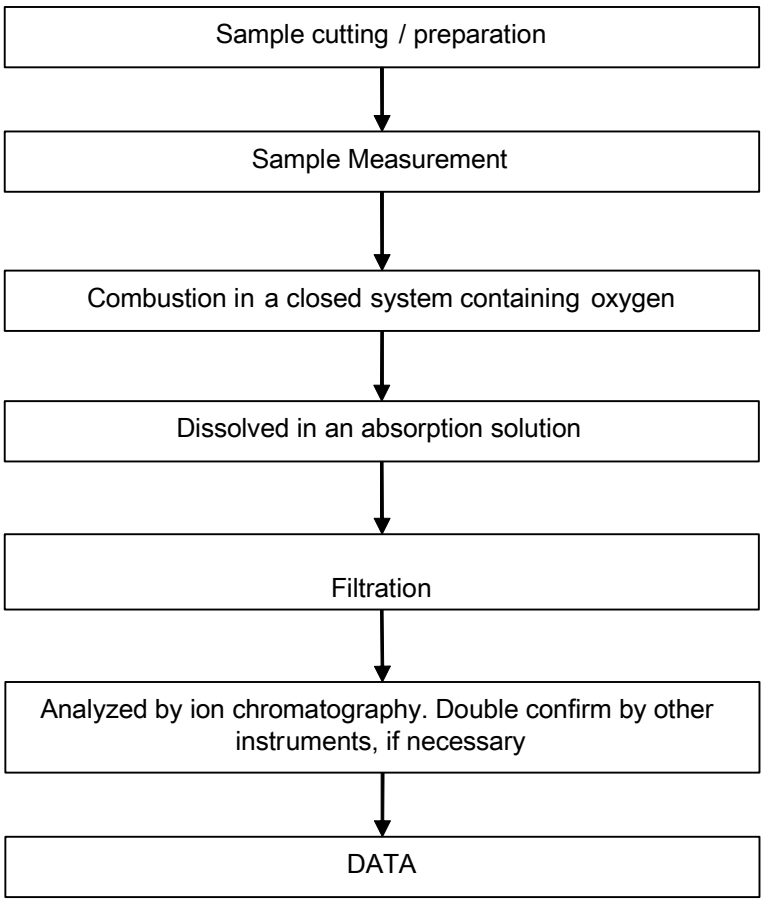
Halogen Testing Flow Chart



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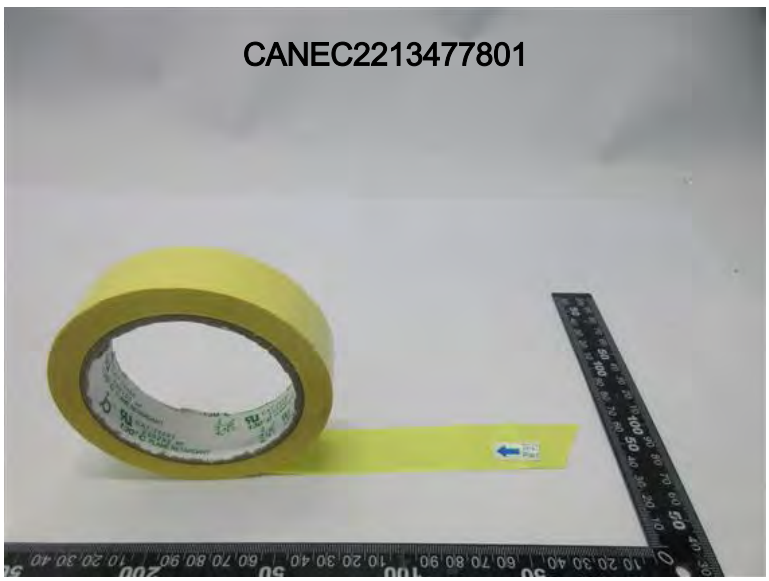
Sample photo:



CAN22-134778.001

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Test Report

No. CANEC2222197401 Date: 25 Oct 2022 Page 1 of 7

Client Name : HUIZHOU YAHUA STICKING TAPE CO.,LTD

Client Address : HUANGXI INDUSTRY PARK,SHIWAN TOWN,HUIZHOU CITY,GUANGDONG PROVINCE,CHINA

Sample Name : Polyester Mylar Tape 280/380/480/280B/281(Light Yellow)

Client Ref. Info. : (SaleS Company); DONGGUAN SHIN YAHUA ELECTRONIC MATERIAL CO., LTD; KUNSHAN YAHUA STICKING TAPE CO., LTD. & Jingjiang Yahua PreSSure SenSitive Glue Co., Ltd.

The above sample(s) and information were provided by the client.

SGS Job No. : CP22-056209 - SZ

Date of Sample Received : 19 Oct 2022

Testing Period : 19 Oct 2022 - 25 Oct 2022

Test Requested : Selected test(s) as requested by the client.

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

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

Result Summary :

Test Requested	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU-Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	PASS
Phthalate(s)	See Results

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

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33476D53

Coral Qiu

Coral Qiu
Approved Signatory

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Test Result(s) :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	CAN22-221974.001	Yellow adhesive tape

Remarks :

(1) 1 mg/kg = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU- Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

Test Method : With reference to IEC 62321-4:2013+A1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017 , IEC 62321-6:2015 and IEC 62321-8:2017, analyzed by ICP-OES , UV-Vis and GC-MS .

Test Item(s)	Limit	Unit	MDL	*001*
Cadmium (Cd)	100	mg/kg	2	ND
Lead (Pb)	1000	mg/kg	2	ND
Mercury (Hg)	1000	mg/kg	2	ND
Hexavalent Chromium (CrVI)	1000	mg/kg	8	ND
Sum of PBBs	1000	mg/kg	-	ND
Monobromobiphenyl	-	mg/kg	5	ND
Dibromobiphenyl	-	mg/kg	5	ND
Tribromobiphenyl	-	mg/kg	5	ND
Tetrabromobiphenyl	-	mg/kg	5	ND
Pentabromobiphenyl	-	mg/kg	5	ND
Hexabromobiphenyl	-	mg/kg	5	ND
Heptabromobiphenyl	-	mg/kg	5	ND
Octabromobiphenyl	-	mg/kg	5	ND
Nonabromobiphenyl	-	mg/kg	5	ND
Decabromobiphenyl	-	mg/kg	5	ND
Sum of PBDEs	1000	mg/kg	-	ND
Monobromodiphenyl ether	-	mg/kg	5	ND
Dibromodiphenyl ether	-	mg/kg	5	ND
Tribromodiphenyl ether	-	mg/kg	5	ND
Tetrabromodiphenyl ether	-	mg/kg	5	ND

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Test Item(s)	Limit	Unit	MDL	*001*
Pentabromodiphenyl ether	-	mg/kg	5	ND
Hexabromodiphenyl ether	-	mg/kg	5	ND
Heptabromodiphenyl ether	-	mg/kg	5	ND
Octabromodiphenyl ether	-	mg/kg	5	ND
Nonabromodiphenyl ether	-	mg/kg	5	ND
Decabromodiphenyl ether	-	mg/kg	5	ND
Dibutyl phthalate (DBP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BBP)	1000	mg/kg	50	ND
Bis (2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	ND
Diisobutyl Phthalates (DIBP)	1000	mg/kg	50	ND

Notes :

(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
(2) IEC 62321 series is equivalent to EN 62321 series
(3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

Phthalate(s)

Test Method : With reference to IEC 62321-8:2017, analysis was performed by GC-MS.

Test Item(s)	CAS NO.	Unit	MDL	001
Dibutyl phthalate (DBP)	84-74-2	%(w/w)	0.005	ND
Butyl benzyl phthalate (BBP)	85-68-7	%(w/w)	0.005	ND
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	%(w/w)	0.005	ND
Diisononyl Phthalate (DINP)	28553-12-0 / 68515-48-0	%(w/w)	0.005	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	%(w/w)	0.005	ND
Diisodecyl Phthalate (DIDP)	26761-40-0 / 68515-49-1	%(w/w)	0.005	ND
Dimethyl Phthalate (DMP)	131-11-3	%(w/w)	0.005	ND
Diethyl Phthalate (DEP)	84-66-2	%(w/w)	0.005	ND
Diisobutyl Phthalates (DIBP)	84-69-5	%(w/w)	0.005	ND
Dinonyl Phthalate (DNP)	84-76-4	%(w/w)	0.005	ND
Diisooctyl Phthalate (DIOP)	27554-26-3	%(w/w)	0.005	ND
Dipropyl Phthalate (DPrP)	131-16-8	%(w/w)	0.005	ND
Dicyclohexyl Phthalate (DCHP)	84-61-7	%(w/w)	0.005	ND
Dipentyl Phthalates (DPENP/DnPP)	131-18-0	%(w/w)	0.005	ND
Dibenzyl Phthalate (DBzP)	523-31-9	%(w/w)	0.005	ND

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Test Item(s)	CAS NO.	Unit	MDL	001
Diphenyl Phthalate (DPhP)	84-62-8	%(w/w)	0.005	ND
Di-n-hexyl Phthalate (DnHP)	84-75-3	%(w/w)	0.005	ND

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.

检验检测专用章 Inspection & Testing Services
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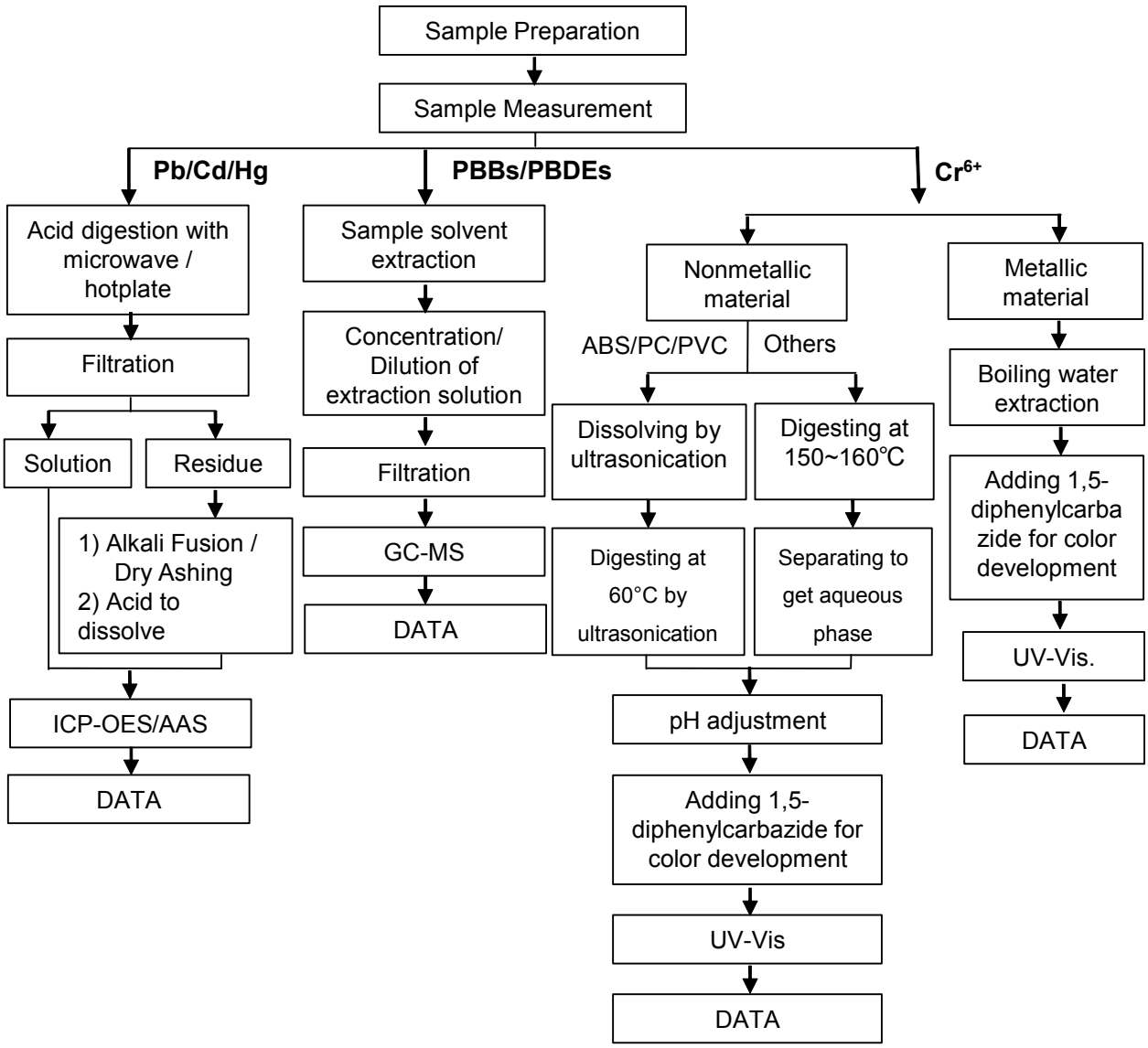
Pb/Cd/Hg/Cr^{6+}/PBBs/PBDEs Testing Flow Chart

1) These samples were dissolved totally by pre -conditioning method according to below flow chart. (Cr^{6+} and PBBs/PBDEs test method excluded).



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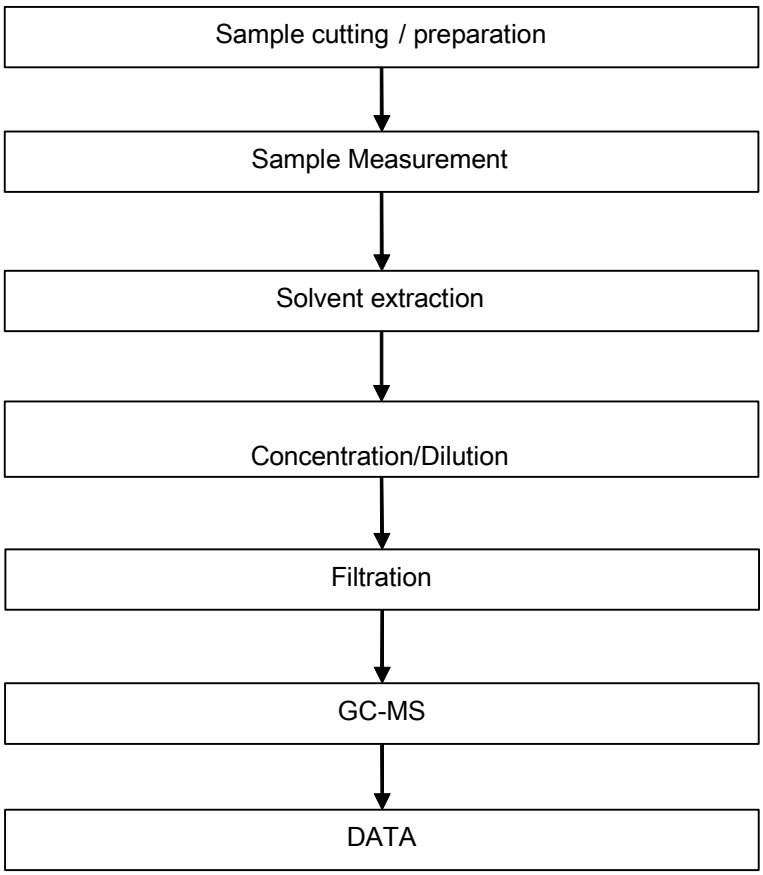
Phthalates Testing Flow Chart



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Sample photo:



CAN22-221974.001

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CTI 华测检测

161020340329

检测报告
Test Report

报告编号 A2220315115101001E
Report No. A2220315115101001E

报告抬头公司名称 Company Name shown on Report 苏州太湖电工新材料股份有限公司
SUZHOU TAIHU ELECTRIC ADVANCED MATERIAL CO LTD

地 址 Address 江苏省汾湖高新技术产业开发区北厍工业园育才路36号
36#YUCAI ROAD,BEISHE INDUSTRIAL PARK,FENHU NEW&HI TECH INDUSTRIAL DEVELOPMENT ZONE,JIANGSU,CHINA

以下测试之样品及样品信息由申请者提供并确认
The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

样品名称	水性漆
Sample Name	水性漆
样品型号	T4260W
Part No.	T4260W
样品接收日期	2022.07.21
Sample Received Date	Jul. 21, 2022
样品检测日期	2022.07.22-2022.07.26
Testing Period	Jul. 22, 2022 to Jul. 26, 2022

检测要求 Test Requested 根据客户要求，对所提交样品中的铅(Pb)，镉(Cd)，汞(Hg)，六价铬(Cr(VI))，多溴联苯(PBBs)，多溴二苯醚(PBDEs)，邻苯二甲酸酯(DBP，BBP，DEHP，DIBP)进行测试。
As specified by client, to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs), Phthalates (DBP, BBP, DEHP, DIBP) in the submitted sample(s).

检测依据/检测结果 Test Method/Test Result(s) 请参见下页。
Please refer to the following page(s).

主 检 Tested by 吴树强
批 准 Approved by 宋岩
宋岩
技术经理 Technical Manager

审 核 Reviewed by 江宏
日 期 Date 2022.07.26

No. R449752088

苏州市华测检测技术有限公司
Centre Testing International(Suzhou) Co.,Ltd

江苏省苏州市相城区澄阳路3286号
No.3286Chengyang Road, Xiangcheng District, Suzhou,Jiangsu

检测报告
Test Report

****

结论 Conclusion

测试样品 Tested Sample	依据标准/指令 According to standard/directive	结果 Result
提交样品 Submitted Sample	欧盟RoHS指令2011/65/EU及其修订指令(EU) 2015/863 RoHS Directive 2011/65/EU with amendment (EU) 2015/863	符合 PASS

****

符合表示检测结果满足欧盟RoHS指令2011/65/EU及其修订指令(EU) 2015/863要求的限值。
PASS means that the results shown on the report comply with the limits set by RoHS Directive 2011/65/EU with amendment (EU) 2015/863.

检测报告
Test Report

检测依据 Test Method

测试项目 Test Item(s)	测试方法 Test Method	测试仪器 Measured Equipment(s)
铅 Lead (Pb)	IEC 62321-5:2013	ICP-OES
镉 Cadmium (Cd)	IEC 62321-5:2013	ICP-OES
汞 Mercury (Hg)	IEC 62321-4:2013+AMD1:2017 CSV	ICP-OES
六价铬 Hexavalent Chromium (Cr(VI))	IEC 62321-7-2:2017和/或IEC 62321-5:2013测试总铬含量 IEC 62321-7-2:2017 and/or determination of Total Chromium by IEC 62321-5:2013	UV-Vis/ICP-OES
多溴联苯 Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS
多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS
邻苯二甲酸酯 Phthalates (DBP, BBP, DEHP, DIBP)	IEC 62321-8:2017	GC-MS

检测报告
Test Report

检测结果 Test Result(s)

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL	限值 Limit
铅 Lead (Pb)	N.D.	2 mg/kg	1000 mg/kg
镉 Cadmium (Cd)	N.D.	2 mg/kg	100 mg/kg
汞 Mercury (Hg)	N.D.	2 mg/kg	1000 mg/kg
六价铬 Hexavalent Chromium (Cr(VI))	N.D.	8 mg/kg	1000 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL	限值 Limit
多溴联苯 Polybrominated Biphenyls (PBBs)			
一溴联苯 Monobromobiphenyl	N.D.	5 mg/kg	1000 mg/kg
二溴联苯 Dibromobiphenyl	N.D.	5 mg/kg	
三溴联苯 Tribromobiphenyl	N.D.	5 mg/kg	
四溴联苯 Tetrabromobiphenyl	N.D.	5 mg/kg	
五溴联苯 Pentabromobiphenyl	N.D.	5 mg/kg	
六溴联苯 Hexabromobiphenyl	N.D.	5 mg/kg	
七溴联苯 Heptabromobiphenyl	N.D.	5 mg/kg	
八溴联苯 Octabromobiphenyl	N.D.	5 mg/kg	
九溴联苯 Nonabromobiphenyl	N.D.	5 mg/kg	
十溴联苯 Decabromobiphenyl	N.D.	5 mg/kg	

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL	限值 Limit
多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)			
一溴二苯醚 Monobromodiphenyl ether	N.D.	5 mg/kg	1000 mg/kg
二溴二苯醚 Dibromodiphenyl ether	N.D.	5 mg/kg	
三溴二苯醚 Tribromodiphenyl ether	N.D.	5 mg/kg	
四溴二苯醚 Tetrabromodiphenyl ether	N.D.	5 mg/kg	
五溴二苯醚 Pentabromodiphenyl ether	N.D.	5 mg/kg	
六溴二苯醚 Hexabromodiphenyl ether	N.D.	5 mg/kg	
七溴二苯醚 Heptabromodiphenyl ether	N.D.	5 mg/kg	
八溴二苯醚 Octabromodiphenyl ether	N.D.	5 mg/kg	
九溴二苯醚 Nonabromodiphenyl ether	N.D.	5 mg/kg	
十溴二苯醚 Decabromodiphenyl ether	N.D.	5 mg/kg	

CTI 华测检测

检测报告
Test Report

检测结果 Test Result(s)

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL	限值 Limit
邻苯二甲酸酯 Phthalates (DBP, BBP, DEHP, DIBP)			
邻苯二甲酸二丁酯 Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸丁基苄基酯 Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸二(2-乙基)己酯 Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸二异丁酯 Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	50 mg/kg	1000 mg/kg

样品/部位描述 无色透明液体
Sample/Part Description Colorless transparent liquid

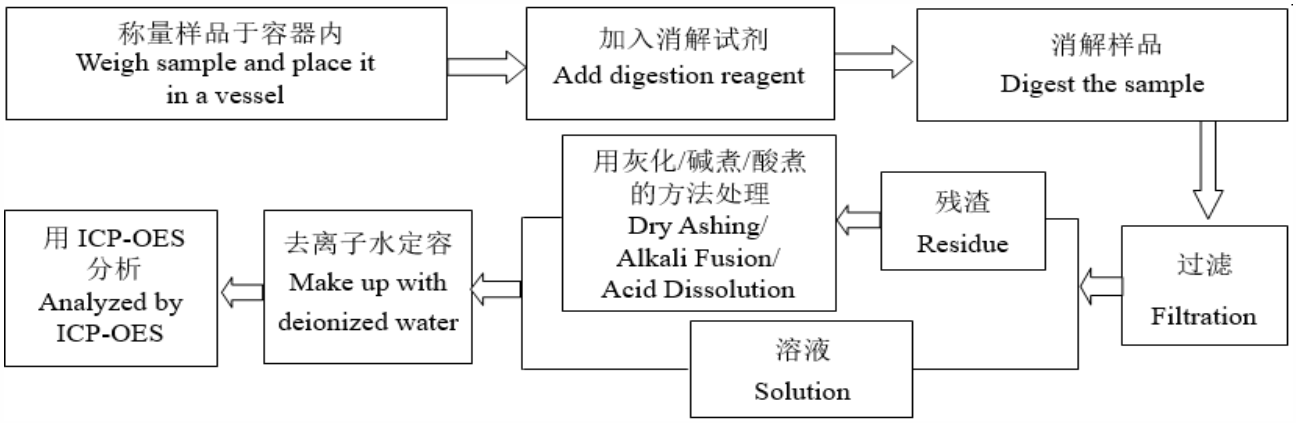
备注: 对于检测铅，镉，汞之样品已消解完全。
-N.D. = 未检出 (小于方法检出限)
-mg/kg = ppm = 百万分之一
-1000 mg/kg = 0.1%

Remark: The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.
-MDL = Method Detection Limit
-N.D. = Not Detected (<MDL)
-mg/kg = ppm = parts per million
-1000 mg/kg = 0.1%

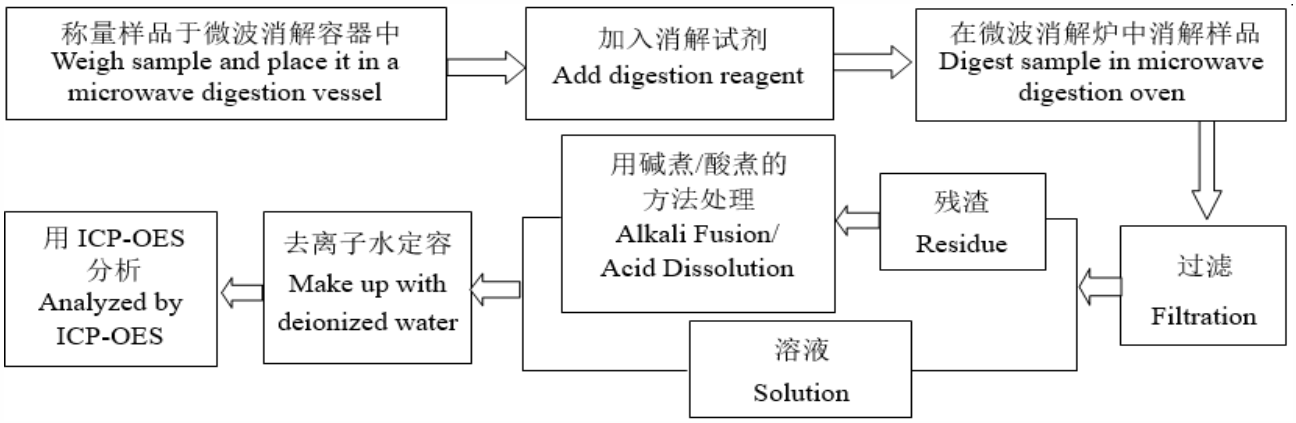
检测报告
Test Report

检测流程 Test Process

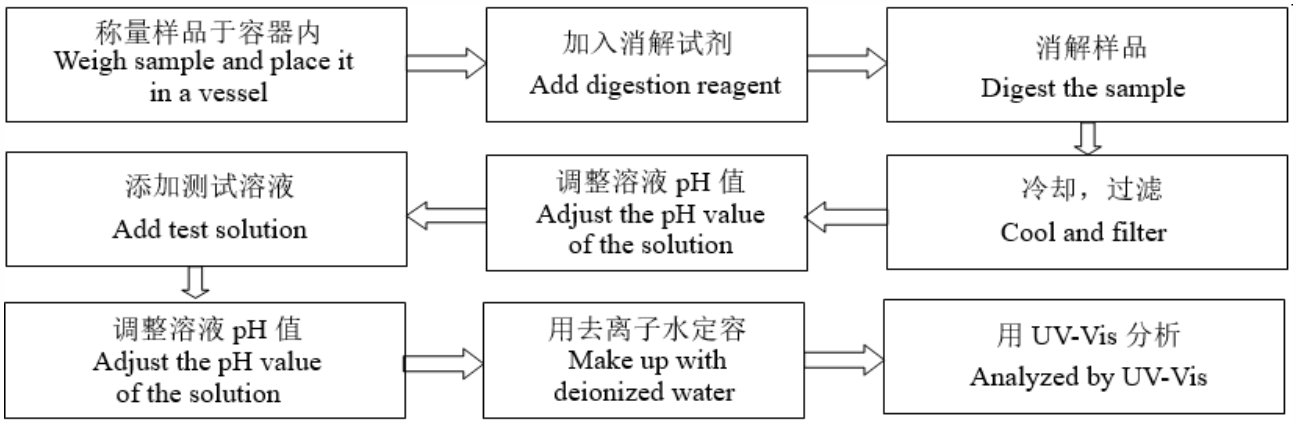
1. 铅(Pb)，镉(Cd)，铬(Cr)
   Lead (Pb), Cadmium (Cd), Chromium (Cr)



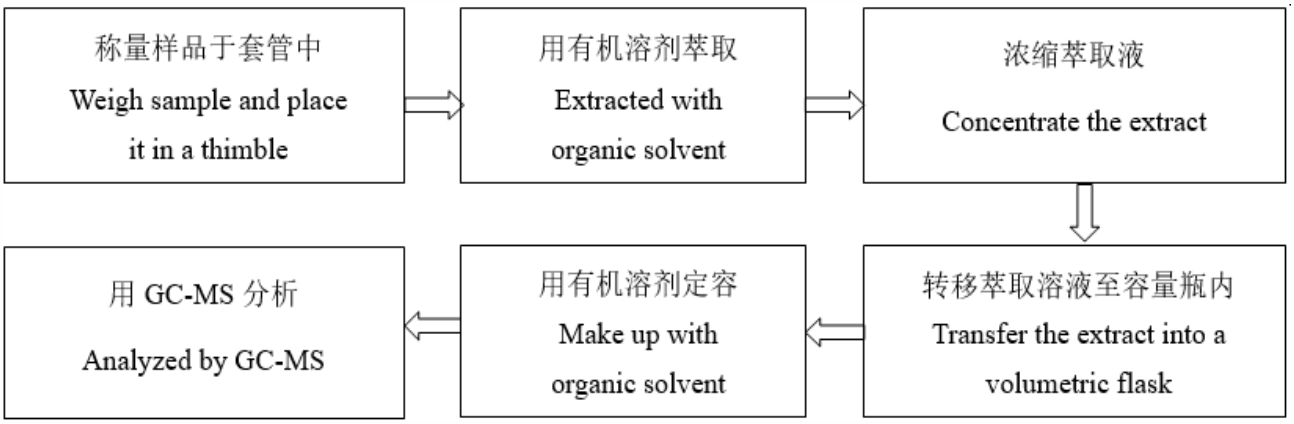
2. 汞(Hg)
   Mercury (Hg)



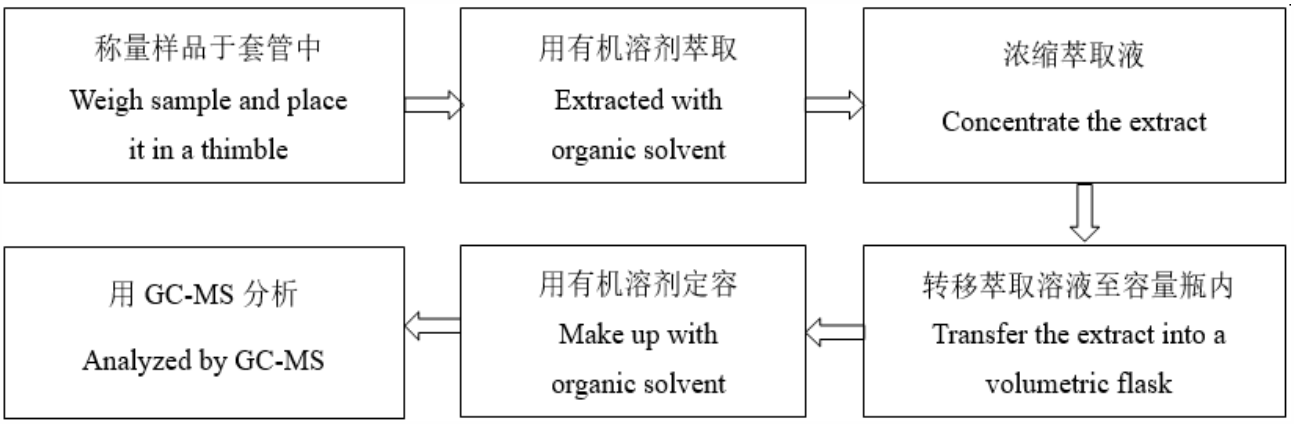
3. 六价铬(Cr(VI))
   Hexavalent Chromium (Cr(VI))



4. 多溴联苯(PBBs)， 多溴二苯醚(PBDEs)
Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)



5. 邻苯二甲酸酯(DBP，BBP，DEHP，DIBP)
Phthalates (DBP, BBP, DEHP, DIBP)



检测报告
Test Report

样品图片
Photo(s) of the sample(s)



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   The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn’t verified;
3. 本报告检测结果仅对受测样品负责；
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