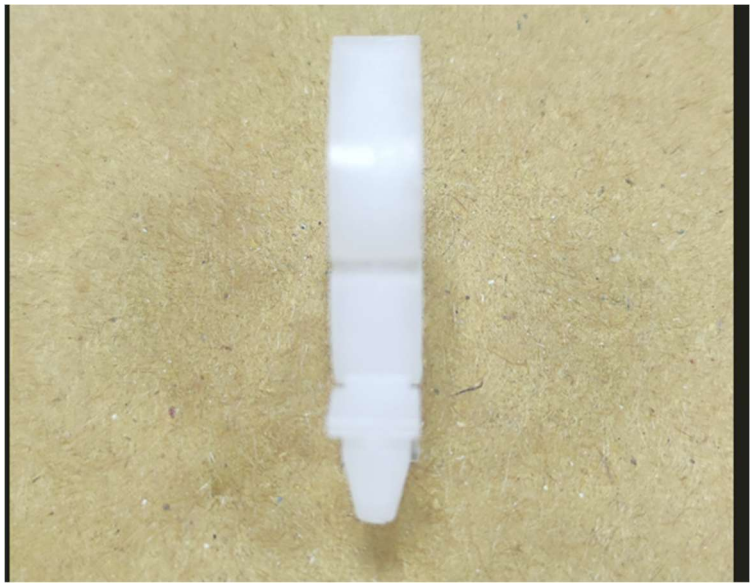




設計驗證
工程課
2025 -09- 24
發行
鈺緯科技開發股份有限公司

ISO 9001
ISO 14001
QC 080000
IATF 16949

規 格 承 認 書

APPROVED DATA SHEET

鈺緯科技開發股份有限公司　　台照

茲送 貴公司所要求之樣品　個，規格書　份，敬請確認，惠返一份

貴公司零件編號：3H110004100(H0227)　本公司製品型號：CHN-7.6

貴公司 Set 編號：　　附　屬　品　：

摘要：

西元 2025 年 09 月 12 日

貴公司確認印鑑

設計驗證
工程課
2025 -09- 24
發行
鈺緯科技開發股份有限公司

康揚企業股份有限公司

康揚企業股份有限公司

台灣總公司：新北市汐止區環河街 187 號
TEL: +886-2-2692-1498　FAX: +886-2-2692-2498

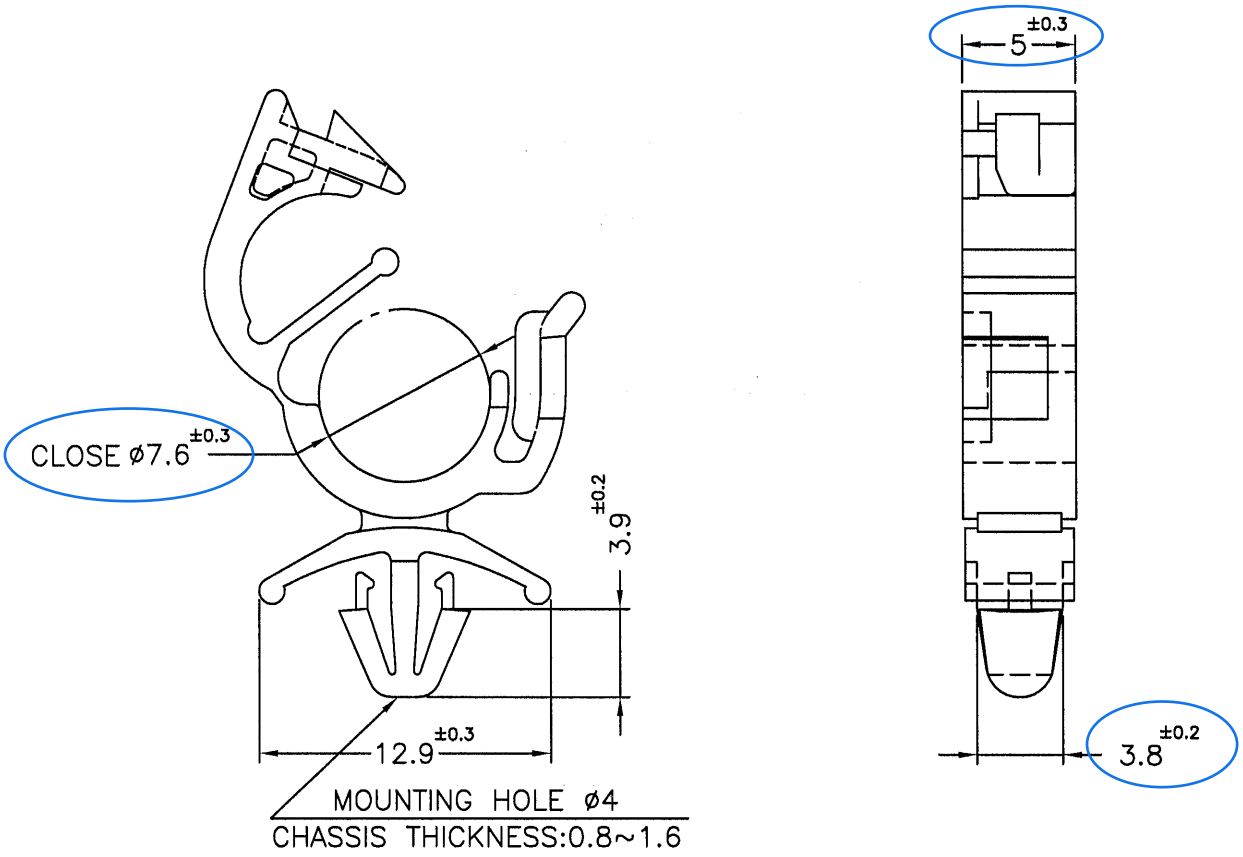
康揚塑膠（東莞）有限公司
廣東省東莞市長安鎮上角社區紅棉路 2 號
TEL: +86-769-8530-5187　FAX: +86-769-8530-5190

康哲電腦配件（吳江）有限公司
江蘇省蘇州市吳江區松陵鎮花港路 877 號
TEL: +86-512-8067-0100　FAX: +86-512-6343-4598

康揚越南有限公司
Lot CN5-1, Yen Phong Industrial Park Extension, Yen Trung Commune, Yen Phong Dist., Bac Ninh Prov., Vietnam
TEL: +84-222-222-0598　FAX: +84-222-222-0698

康揚塑膠五金（泰國）有限公司
589 Moo 4, Phraeksa Sub-District, Mueang Samut Prakan District, Samut Prakan, 10280 Thailand
TEL: +66-2-323-0588

REVISIONS			
REV	DESCRIPTION	DATE	BY



INSPECTION

PART NO.	MATERIAL	COLOR
CHN-7.6	NYLON 66 UL94V-2	NATURAL
CHN-7.6(B)	NYLON 66 UL94V-2	BLACK
CHN-7.6V0	NYLON 66 UL94V-0	NATURAL(WHITE)

設計驗證
工程課
2025 -09- 24
發行
鈺緯科技開發股份有限公司

NOTE: 1. SHRINKING IS NORMAL STATUS.
內縮為正常現象.
2. MADE OF EQUIVALENT MATERIAL.
均可使用同等材質.

3H110004100 (H0227)

ISO 9001
ISO 14001
QC 080000

康揚企業股份有限公司
KANG YANG HARDWARE ENTERPRISE CO., LTD.
康揚塑膠(東莞)有限公司
KANG YANG PLASTIC(DONG GUAN)CO.,LTD.
康哲電腦配件(吳江)有限公司
KANG CHE COMPUTER COMPONENTS(WUJIANG) CO.,LTD.

TITLE: WIRE MOUNT			SPEC. DWG.
MATERIAL: SEE ABOVE			DATE: 2005.01.13
FINISH:			DRAWN: James
COLOR: SEE ABOVE			CHECK: 薛梅
UNLESS OTHERWISE SPECIFIED TOLERANCE: SEE ABOVE			APPROVED: Kang
PART NUMBER: SEE ABOVE	DRAWING NUMBER: CHN-7.6		
SIZE: A4	SCALE: 3:1	UNIT: mm	REV: B

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PROSPECTOR® CLICK TO CONTINUE
View additional material information including performance and processing data

The information presented on the UL Prospector datasheet was acquired by UL Prospector from the producer of the material. UL Prospector makes substantial efforts to assure the accuracy of this data. However, UL Prospector assumes no responsibility for the data values and strongly encourages that upon final material selection, data points are validated with the material supplier.

Component - Plastics E41938

Guide Information

View Certificate of Compliance

CELANESE INTERNATIONAL CORP

8040 DIXIE HWY, FLORENCE KY 41042-2904

101(f2)(r9), 101F(f2)(r9), 101L(f2)(r9)

Polyamide 66 (PA66) "Zytel", furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec (°C)	RTI Imp (°C)	RTI Str (°C)
ALL	0.71	V-2	4	0	130	75	85
	1.5	V-2	3	0	130	75	85
	3.0	V-2	2	0	130	75	85
	6.0	V-2	2	0	130	75	85

Comparative Tracking Index (CTI): 0
Dielectric Strength (kV/mm): 13
High-Voltage Arc Tracking Rate (HVTR): 0
Dimensional Change (%): -

Inclined Plane Tracking (IPT) kV: -
Volume Resistivity (10^x ohm-cm): 14
Surface Resistivity (10^x ohms/square): -
High Volt, Low Current Arc Resis (D495): 6

(f2) - Subjected to one or more of the following tests: Ultraviolet Light, Water Exposure or Immersion in accordance with UL 746C, where the acceptability for outdoor use is to be determined by UL.

(r9) - Virgin and regrind up to 50% by weight inclusive, have the same basic material characteristics for ALL colors down to 0.71mm. For thickness 0.40mm to 0.70mm the same basic material characteristics exist with the exception of generic RTIs for all properties and Regrind exceeding 25% is limited to V-2 Flammability for WT, RD, BK.

NOTE - (1) Material designations that are color pigmented may be followed by suffix letters and numbers. (2) Material designations may be prefixed by "ZYT" for Zytel or "MIN" for Minlon or "CRA" for Crastin or "RYN" for Rynite.

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.

Report Date: 1996-07-29
Last Revised: 2025-06-12

ALSO CERTIFIED TO IEC REQUIREMENTS

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IEC and ISO Test Methods

Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.71	V-2 (ALL)
			1.5	V-2 (ALL)
			3.0	V-2 (ALL)
			6.0	V-2 (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	0.71	960
			1.5	960
			3.0	960
			6.0	960
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	0.71	725
			1.5	750
			3.0	800
			6.0	800
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC AC Dielectric Strength (AC DS)	IEC 60243-1	kV/mm	-	-
IEC DC Dielectric Strength (DC DS)	IEC 60243-2	kV/mm	-	-
IEC Volume Resistivity (VR)	IEC 62631-3-1	10^x ohm-m	-	-
IEC Surface Resistivity (SR)	IEC 62631-3-2	10^x ohms	-	-
IEC Inclined Plane Tracking (IPT)	IEC 60587	kV	-	-
IEC Ball Pressure	IEC 60695-10-2	°C	-	240
ISO Heat Deflection (1.80 MPa)	ISO 75-2	°C	-	-
ISO Tensile Strength	ISO 527-2	MPa	-	-
ISO Flexural Strength	ISO 178	MPa	-	-
ISO Tensile Impact	ISO 8256	kJ/m^2	-	-
ISO Izod Impact	ISO 180	kJ/m^2	-	-
ISO Charpy Impact	ISO 179-1	kJ/m^2	-	-

簽名有效
For Question, Please
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測試報告
Test Report

號碼(No.): ETR25206655　　日期(Date): 04-Mar-2025　　

協祐股份有限公司 (WGJ COMPANY LTD.)
桃園市龜山區頂湖五街5號 (NO.5, DINGHU 5TH ST., GUISHAN DIST., TAOYUAN CITY 33378, TAIWAN (R.O.C.))

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)	:	協祐股份有限公司 (WGJ COMPANY LTD.)
樣品名稱(Sample Name)	:	CELANESE ZYTEL N-66
樣品型號(Style/Item No.)	:	101FNC010

==========

收件日(Sample Receiving Date)	:	25-Feb-2025
測試期間(Testing Period)	:	25-Feb-2025 to 04-Mar-2025

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

PIN CODE: C06B63F6

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測試報告
Test Report

協祐股份有限公司 (WGJ COMPANY LTD.)
桃園市龜山區頂湖五街5號 (NO.5, DINGHU 5TH ST., GUISHAN DIST., TAOYUAN CITY 33378, TAIWAN (R.O.C.))

測試部位敘述 (Test Part Description)

No.1 : 半透明塑膠粒 (TRANSLUCENT PLASTIC PELLETS)

測試結果 (Test Results)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result) No.1	限值 (Limit)
鎘 (Cd) (Cadmium (Cd))	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))	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))	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))	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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協祐股份有限公司 (WGJ COMPANY LTD.)
桃園市龜山區頂湖五街5號 (NO.5, DINGHU 5TH ST., GUISHAN DIST., TAOYUAN CITY 33378, TAIWAN (R.O.C.))

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))	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))		mg/kg	50	n.d.	1000
鄰苯二甲酸二(2-乙基己基)酯 (DEHP) (Di-(2-ethylhexyl) phthalate (DEHP))		mg/kg	50	n.d.	1000
鄰苯二甲酸二異丁酯 (DIBP) (Diisobutyl phthalate (DIBP))		mg/kg	50	n.d.	1000
鄰苯二甲酸二異癸酯 (DIDP) (Diisodecyl phthalate (DIDP)) (CAS No.: 26761-40-0, 68515-49-1)		mg/kg	50	n.d.	-
鄰苯二甲酸二異壬酯 (DINP) (Diisononyl phthalate (DINP)) (CAS No.: 28553-12-0, 68515-48-0)		mg/kg	50	n.d.	-
鄰苯二甲酸二正辛酯 (DNOP) (Di-n-octyl phthalate (DNOP)) (CAS No.: 117-84-0)		mg/kg	50	n.d.	-

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測試報告
Test Report

協祐股份有限公司 (WGJ COMPANY LTD.)
桃園市龜山區頂湖五街5號 (NO.5, DINGHU 5TH ST., GUISHAN DIST., TAOYUAN CITY 33378, TAIWAN (R.O.C.))

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result) No.1	限值 (Limit)
六溴環十二烷及所有主要被辨別出的異構物(HBCDD) (α- HBCDD, β- HBCDD, γ- HBCDD) (Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α- HBCDD, β- HBCDD, γ- HBCDD)) (CAS No.: 25637-99-4, 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8))	參考IEC 62321: 2008，以氣相層析儀/質譜儀分析。(With reference to IEC 62321: 2008, analysis was performed by GC/MS.)	mg/kg	5	n.d.	-
全氟辛烷磺酸及其鹽類 (PFOS and its salts) (Perfluorooctane sulfonates and its salts (PFOS and its salts)) (CAS No.: 1763-23-1 and its salts)	修改EN 17681-1: 2022 & EN 17681-2: 2022，以液相層析串聯質譜儀分析。(Modified EN 17681-1: 2022 & EN 17681-2: 2022, analysis was performed by LC/MS/MS.)	mg/kg	0.01	n.d.	-
全氟辛酸及其鹽類 (PFOA and its salts) (Perfluorooctanoic acid and its salts (PFOA and its salts)) (CAS No.: 335-67-1 and its salts)	修改EN 17681-1: 2022 & EN 17681-2: 2022，以液相層析串聯質譜儀分析。(Modified EN 17681-1: 2022 & EN 17681-2: 2022, analysis was performed by LC/MS/MS.)	mg/kg	0.01	n.d.	-
氟 (F) (Fluorine (F)) (CAS No.: 14762-94-8)	參考BS EN 14582: 2016，以離子層析儀分析。(With reference to BS EN 14582: 2016, analysis was performed by IC.)	mg/kg	50	n.d.	-
氯 (Cl) (Chlorine (Cl)) (CAS No.: 22537-15-1)		mg/kg	50	n.d.	-
溴 (Br) (Bromine (Br)) (CAS No.: 10097-32-2)		mg/kg	50	n.d.	-
碘 (I) (Iodine (I)) (CAS No.: 14362-44-8)		mg/kg	50	n.d.	-

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桃園市龜山區頂湖五街5號 (NO.5, DINGHU 5TH ST., GUISHAN DIST., TAOYUAN CITY 33378, TAIWAN (R.O.C.))

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決定規則，採用簡單允收規則之二分法(w=0)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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桃園市龜山區頂湖五街5號 (NO.5, DINGHU 5TH ST., GUISHAN DIST., TAOYUAN CITY 33378, TAIWAN (R.O.C.))

PFAS Remark：

現有PFAS定量技術是分析PFAS物質的特定結構，但同碳數族群之PFAS酸及鹽類物質，其可被辨識的特定結構相同，因此無法區別所分析的特定結構是來自酸或者鹽類，故測試結果為同碳數族群之PFAS之酸及鹽類物質的濃度總合。下表PFAS物質濃度皆已包含在測試結果中，相關資訊請參見下表：(下表列舉PFAS物質僅為範例，並不包含所有同碳數族群之PFAS鹽類。)

(The quantitative technology of PFAS is to analyze the specific structure of PFAS substances. However, PFAS acid and its salts with the same carbon number group have the same specific structure that can be identified. The tested results of the analyzed specific structure cannot be distinguished to identify the contribution from PFAS acid or its salts. Therefore, the tested results display the sum of concentrations of PFAS acids and its salts with the same carbon number group. The concentration of PFAS substances in the below table have been included in the tested results, please refer to the table for relevant information: (The listed PFAS substances are examples only, it do not include all PFAS salts with the same carbon number group.))

群組名稱 (Group Name)	物質名稱 (Substance Name)	CAS No.
PFOS, 及其鹽&衍生物 (PFOS, its salts & derivatives)	全氟辛烷磺酸 (Perfluorooctane sulfonates) (PFOS)	1763-23-1
	全氟辛基磺酸鉀 (PFOS-K) Potassium perfluorooctanesulfonate (PFOS-K)	2795-39-3
	全氟辛基磺酸鋰 (PFOS-Li) Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)	29457-72-5
	全氟辛基磺酸銨 (PFOS-NH_4) Perfluorooctanesulfonic acid, ammonium salt (PFOS-NH_4)	29081-56-9
	全氟辛基磺酸二乙醇銨 (PFOS-NH(C2H4OH)2) Perfluorooctane sulfonate diethanolamine salt (PFOS-NH(C2H4OH)2)	70225-14-8
	全氟辛基磺酸四乙基銨 (PFOS-N(C_2H_5)$_4$) Perfluorooctanesulfonic acid,tetraethylammonium salt (PFOS-N(C_2H_5)$_4$)	56773-42-3
	全氟辛基磺酸二癸二甲基銨 (PFOS-DDA) N-decyl-N,N-dimethyldecan-1-aminium 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate (PFOS-DDA)	251099-16-8
	全氟辛基磺酸四丁基銨 (PFOS-N(C_4H_9)$_4$) TetrabutylAmmonium perfluorooctanesulfonate (PFOS-N(C_4H_9)$_4$)	111873-33-7
	全氟辛基磺醯氟 (POSF) Perfluorooctane sulfonyl fluoride (POSF)	307-35-7
	全氟辛基磺酸鎂 (PFOS-Mg) Perfluorooctanesulfonic acid, magnesium salt (PFOS-Mg)	91036-71-4
	全氟辛基磺酸鈉 (PFOS-Na) Perfluorooctanesulfonic acid, sodium salt (PFOS-Na)	4021-47-0

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群組名稱 (Group Name)	物質名稱 (Substance Name)	CAS No.
PFOS, 及其鹽&衍生物 (PFOS, its salts & derivatives)	全氟辛烷磺酸哌啶 Piperidine 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctanesulfonate	71463-74-6
	全氟辛烷磺酸鹽 Perfluorooctanesulfonate (anion)	45298-90-6
	全氟辛烷磺酸與 N,N-二乙基乙胺 (1:1) (PFOS-N(C_2H_5)$_3$) 1-Octanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, compd. with N,N-diethylethanamine (1:1) (PFOS-N(C_2H_5)$_3$)	54439-46-2
	N,N,N-三甲基-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十七氟-1-辛烷磺酸甲銨(1:1) (PFOS-N(CH_3)$_4$) Methanaminium, N,N,N-trimethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonate (1:1) (PFOS-N(CH_3)$_4$)	56773-44-5
	1-五胺，N,N,N-三丙基-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十七氟-1 -辛烷磺酸鹽(1:1) (PFOS-N(C_3H_7)$_3$(C_5H_{11})) 1-Pentanaminium, N,N,N-tripropyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonate (1:1) (PFOS-N(C_3H_7)$_3$(C_5H_{11}))	56773-56-9
	1-丁銨，N,N-二丁基-N-甲基-，1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十七氟-1-辛烷磺酸鹽 (1:1) (PFOS-N(C_4H_9)$_3$(CH_3)) 1-Butanaminium, N,N-dibutyl-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonate (1:1) (PFOS-N(C_4H_9)$_3$(CH_3))	124472-68-0
	碘鎓，雙[4-(1,1-二甲基乙基)苯基]-，1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8 -十七氟-1-辛烷磺酸鹽 (1:1) Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonate (1:1)	213740-80-8
	二苯基鋶(2,4,6-三甲基苯基)-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8 ,8-十七氟- 1-辛烷磺酸鹽 (1:1) Sulfonium, diphenyl(2,4,6-trimethylphenyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonate (1:1)	258341-99-0
	吡啶鎓，1-十六烷基-，1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十七氟-1 -辛烷磺酸鹽 (1:1) Pyridinium, 1-hexadecyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonate (1:1)	334529-63-4

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群組名稱 (Group Name)	物質名稱 (Substance Name)	CAS No.
PFOS, 及其鹽&衍生物 (PFOS, its salts & derivatives)	1-癸胺，N,N,N-三乙基-，1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十七氟-1 -辛烷磺酸鹽(1:1) 1-Decanaminium, N,N,N-triethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonate (1:1)	773895-92-4
	全氟辛烷磺酸四丁基鏻 (PFOS-P(C_4H_9)$_4$)) Tetrabutylphosphonium perfluorooctane sulfonate (PFOS-P(C_4H_9)$_4$))	2185049-59-4
	全氟辛烷磺酸二乙胺鹽 (PFOS-$C_4H_{11}N$) Perfluorooctanesulfonic acid diethylamine salt (PFOS-$C_4H_{11}N$)	2205029-08-7
	庚基二甲基{2-[(2-甲基丙-2-烯酰基)氧基]乙基}全氟辛烷磺酸氮鎓鹽 (PFOS-$C_{15}H_{30}NO_2$) Heptyldimethyl{2-[(2-methylprop-2-enoyl)oxy]ethyl}azanium perfluorooctanesulfonate (PFOS-$C_{15}H_{30}NO_2$)	1203998-97-3
	1-辛烷磺酸，1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十七氟-,1,1' -酸酐 (PFOSAN) 1-Octanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, 1,1'-anhydride (PFOSAN)	423-92-7
PFOA, 及其鹽&衍生物 (PFOA, its salts & derivatives)	全氟辛酸 (Perfluorooctanoic acid) (PFOA)	335-67-1
	全氟辛酸鈉 (PFOA-Na) Sodium perfluorooctanoate (PFOA-Na)	335-95-5
	全氟辛酸鉀 (PFOA-K) Potassium perfluorooctanoate (PFOA-K)	2395-00-8
	全氟辛酸銀 (PFOA-Ag) Silver perfluorooctanote (PFOA-Ag)	335-93-3
	全氟辛氟 (PFOA-F) Perfluorooctanoyl fluoride (PFOA-F)	335-66-0
	全氟辛酸銨 (APFO) Ammonium pentadecafluorooctanoate (APFO)	3825-26-1
	全氟辛酸鋰 (PFOA-Li) Lithium perfluorooctanoate (PFOA-Li)	17125-58-5
	全氟辛酸鈷 (PFOA-Co) Cobalt perfluorooctanoate (PFOA-Co)	35965-01-6

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群組名稱 (Group Name)	物質名稱 (Substance Name)	CAS No.
PFOA, 及其鹽&衍生物 (PFOA, its salts & derivatives)	全氟辛酸銫 (PFOA-Cs) Cesium perfluorooctanoate (PFOA-Cs)	17125-60-9
	全氟辛酸鉻 (PFOA-Cr(3^+)) Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, chromium(3+) (PFOA-Cr(3^+))	68141-02-6
	全氟辛酸-哌嗪(2:1) PFOA-NH($C_4H_{10}N$) Pentadecafluorooctanoic acid--piperazine (2/1)PFOA-NH($C_4H_{10}N$)	423-52-9
	全氟辛酸鹽 Pentadecafluorooctanoate (anion)	45285-51-6
	全氟辛酸酐 Perfluorooctanoic Anhydride	33496-48-9
	乙銨，N,N,N-三乙基-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十五氟辛酸(1:1) Ethanaminium, N,N,N-triethyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanoate (1:1)	98241-25-9
	全氟辛酸四甲銨鹽 Tetramethylammoniumperfluoroctanoat	32609-65-7
	1-丙銨，N,N,N-三丙基-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十五氟辛酸(1:1) 1-Propanaminium, N,N,N-tripropyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanoate (1:1)	277749-00-5
	辛酸，2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十五氟-鉀鹽，水合物 (1:1:2) (PFOA-K(H_2O)$_2$) Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, potassium salt, hydrate (1:1:2) (PFOA-K(H_2O)$_2$)	98065-31-7
	辛酸，2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十五氟-，化合物。與乙胺 (1:1) (PFOA-C_2H_7N) Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, compd. with ethanamine (1:1) (PFOA-C_2H_7N)	1376936-03-6
	十五氟辛酸化合物與吡啶 (1:1) (9CI) (PFOA-C_5H_5N) Octanoic acid, pentadecafluoro-, compd. with pyridine (1:1) (9CI) (PFOA-C_5H_5N)	95658-47-2
	十五氟辛酸-1-苯基哌嗪(1:1) (PFOA-$C_{10}H_{14}N_2$) Pentadecafluorooctanoic acid- 1-phenylpiperazine(1:1) (PFOA-$C_{10}H_{14}N_2$)	1514-68-7

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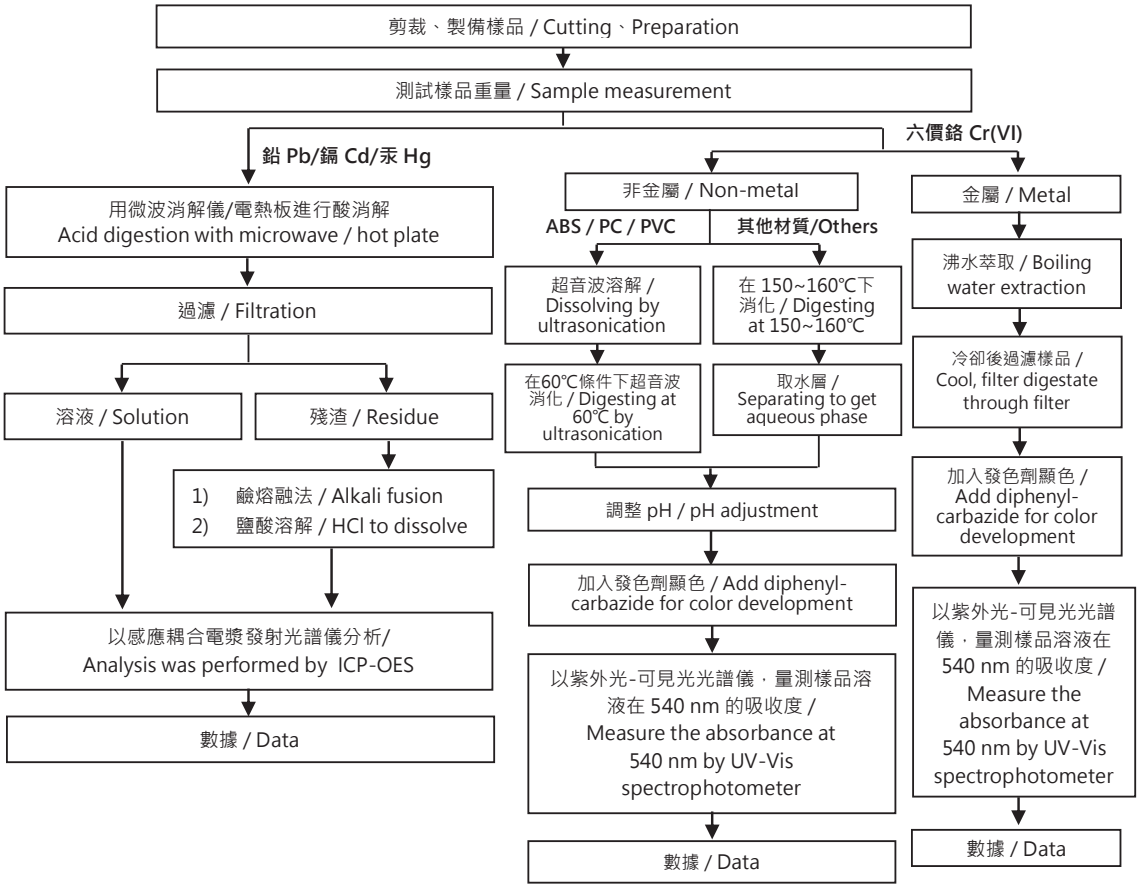
群組名稱 (Group Name)	物質名稱 (Substance Name)	CAS No.
PFOA, 及其鹽&衍生物 (PFOA, its salts & derivatives)	1-辛胺，N,N,N-三甲基-，2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十五氟辛酸(1:1) (PFOA- $C_{11}H_{26}N$) 1-Octanaminium, N,N,N-trimethyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanoate (1:1) (PFOA- $C_{11}H_{26}N$)	927835-01-6

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

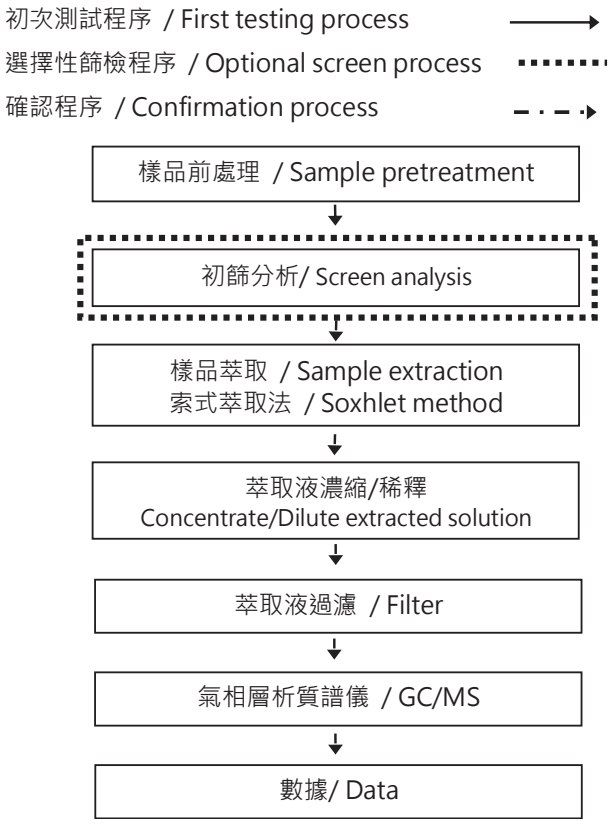
根據以下的流程圖之條件，樣品已完全溶解。（六價鉻測試方法除外）
These samples were dissolved totally by pre-conditioning method according to below flow chart.
（Cr^{6+} test method excluded）



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

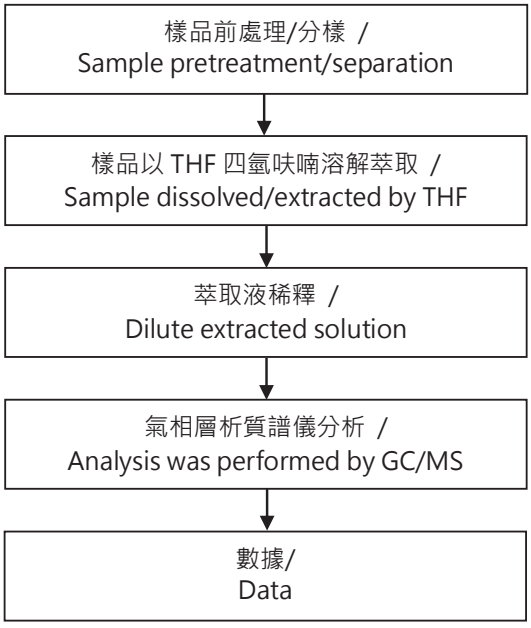


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可塑劑分析流程圖 / Analytical flow chart - Phthalate

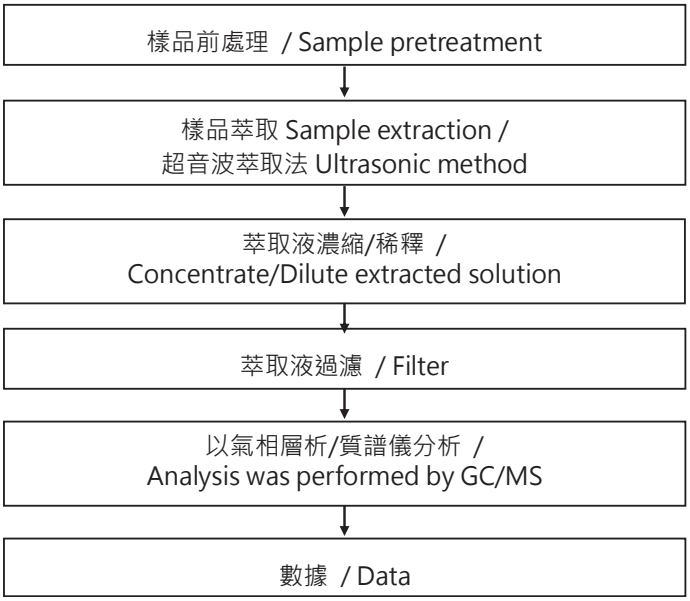
【測試方法/Test method: IEC 62321-8】



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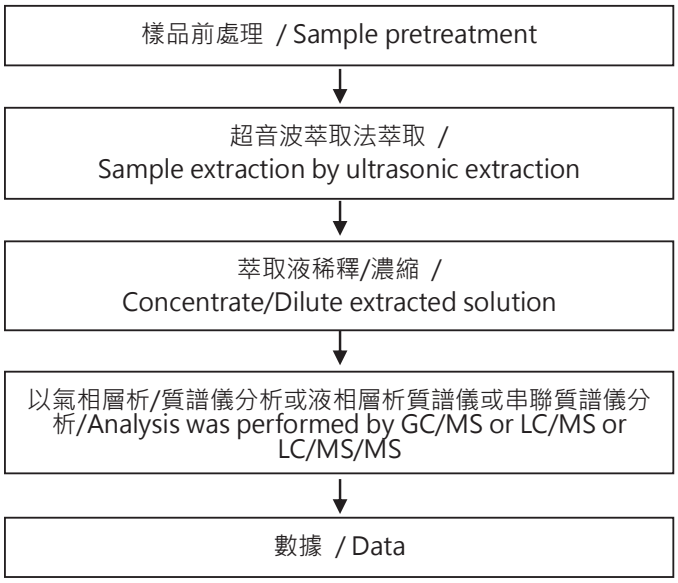
六溴環十二烷分析流程圖 / Analytical flow chart - HBCDD



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協祐股份有限公司 (WGJ COMPANY LTD.)
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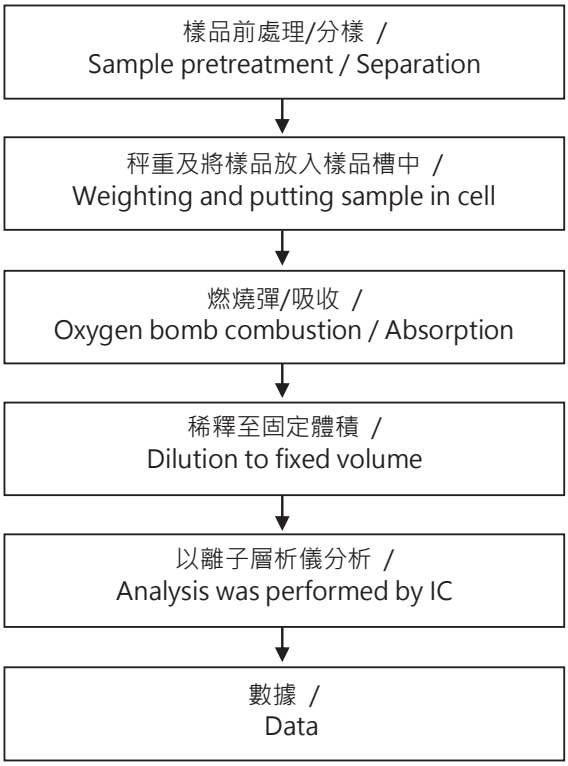
全氟化合物(包含全氟辛酸/全氟辛烷磺酸/其相關化合物等等)分析流程圖 / Analytical flow chart – PFAS (including PFOA/PFOS/its related compound, etc.)



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鹵素分析流程圖 / Analytical flow chart - Halogen



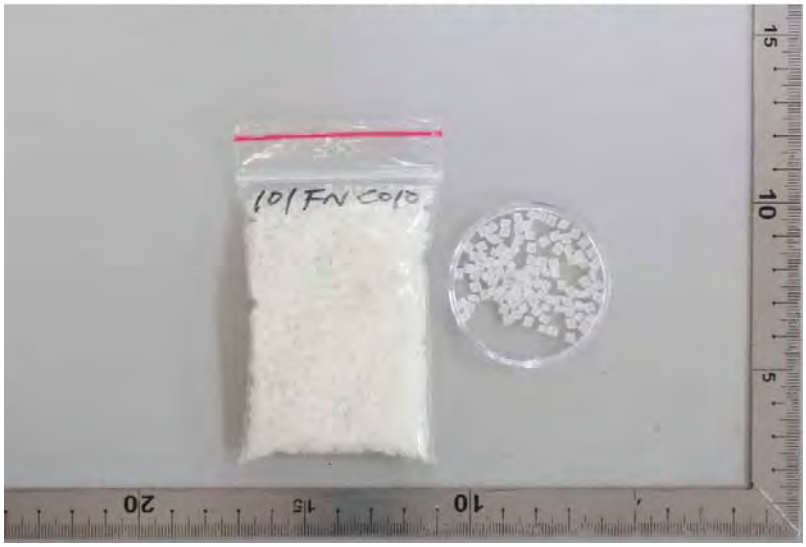
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測試報告
Test Report

協祐股份有限公司 (WGJ COMPANY LTD.)
桃園市龜山區頂湖五街5號 (NO.5, DINGHU 5TH ST., GUISHAN DIST., TAOYUAN CITY 33378, TAIWAN (R.O.C.))

*** 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.)

ETR25206655



** 報告結尾 (End of Report) **

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康揚企業股份有限公司
KANG YANG HARDWARE ENTERPRISES CO.,LTD.
新北市汐止區環河街187號
NO.187,HUANHE ST.,XIZHI DIST.,NEW TAIPEI CITY 22154,TAIWAN
TEL:886-2-2692-1498 FAX:886-2-2692-2498

ISO 9001
ISO 14001
QC 080000
IATF 16949

REACH SVHC Declaration

Customer: 鈺緯科技開發股份有限公司

Part No: CHN-7.6 (3H110004100)

Does material/part contain any of the REACH SVHC above 1000 ppm? ☐ **Yes** ☑ **No**

If Yes, please list* the substances:

Material	Substance	CAS Number	Proportion (ppm)	Purpose of use

Item	CAS Number	EC Number	Chemical Name
1	120-12-7	204-371-1	Anthracene
2	101-77-9	202-974-4	4,4'- Diaminodiphenylmethane (MDA)
3	84-74-2	201-557-4	Dibutyl phthalate (DBP)
4	7646-79-9	231-589-4	Cobalt dichloride
5	1303-28-2	215-116-9	Diarsenic pentaoxide
6	1327-53-3	215-481-4	Diarsenic trioxide
7	10588-01-9,	234-190-3	Sodium dichromate
	7789-12-0		
8	81-15-2	201-329-4	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)
9	117-81-7	204-211-0	Bis (2-ethylhexyl)phthalate (DEHP)
10	-	-	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified

	134237-50-6	-	alpha-hexabromocyclododecane
	134237-51-7	-	beta-hexabromocyclododecane
	134237-52-8	-	gamma-hexabromocyclododecane
	25637-99-4	247-148-4	Hexabromocyclododecane (HBCDD)
	3194-55-6	221-695-9	1,2,5,6,9,10-hexabromocyclodecane
11	85535-84-8	287-476-5	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)
12	56-35-9	200-268-0	Bis(tributyltin) oxide (TBTO)
13	7784-40-9	232-064-2	Lead hydrogen arsenate
14	15606-95-8	427-700-2	Triethyl arsenate
15	85-68-7	201-622-7	Benzyl butyl phthalate (BBP)
16	121-14-2	204-450-0	2,4-dinitrotoluene (2,4-DNT)
17	90640-80-5	292-602-7	Anthracene oil
18	91995-17-4	295-278-5	Anthracene oil, anthracene paste, distn. lights
19	91995-15-2	295-275-9	Anthracene oil, anthracene paste, anthracene fraction
20	90640-82-7	292-604-8	Anthracene oil, anthracene-low
21	90640-81-6	292-603-2	Anthracene oil, anthracene paste
22	84-69-5	201-553-2	Diisobutyl phthalate (DiBP)
23	7758-97-6	231-846-0	Lead chromate
24	12656-85-8	235-759-9	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)
25	1344-37-2	215-693-7	Lead sulfochromate yellow (C.I. Pigment Yellow 34)
26	1979/6/1	201-173-7	Acrylamide
27	115-96-8	204-118-5	Tris(2-chloroethyl) phosphate
28	65996-93-2	266-028-2	Pitch, coal tar, high-temp.
29	1979/1/6	201-167-4	Trichloroethylene
30	10043-35-3	233-139-2	Boric acid
	11113-50-1	234-343-4	Boric acid, crude natural
31	12179-04-3,	215-540-4	Disodium tetraborate, anhydrous
	1303-96-4,		
	1330-43-4		
32	12267-73-1	235-541-3	Tetraboron disodium heptaoxide, hydrate
33	7775/11/3	231-889-5	Sodium chromate
34	7789-00-6	232-140-5	Potassium chromate
35	7789/9/5	232-143-1	Ammonium dichromate
36	7778-50-9	231-906-6	Potassium dichromate
37	10124-43-3	233-334-2	Cobalt(II) sulphate
38	10141-05-6	233-402-1	Cobalt(II) dinitrate
39	513-79-1	208-169-4	Cobalt(II) carbonate
40	71-48-7	200-755-8	Cobalt(II) diacetate
41	109-86-4	203-713-7	2-methoxyethanol
42	110-80-5	203-804-1	2-ethoxyethanol
43	1333-82-0	215-607-8	Chromium trioxide
44	-	-	Acids generated from chromium trioxide and their oligomers :
	7738-94-5	236-881-5	Dichromic acid
	13530-68-2	231-801-5	Chromic acid
	-	-	Oligomers of chromic acid and dichromic acid
45	111-15-9	203-839-2	2-ethoxyethyl acetate

46	7789/6/2	232-142-6	Strontium chromate
47	68515-42-4	271-084-6	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)
48	302-01-2,	206-114-9	Hydrazine
	7803-57-8		
49	872-50-4	212-828-1	1-Methyl-2-pyrrolidone (NMP)
50	96-18-4	202-486-1	1,2,3-trichloropropane
51	71888-89-6	276-158-1	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)
52	24613-89-6	246-356-2	Dichromium tris(chromate)
53	11103-86-9	234-329-8	Potassium hydroxyoctaoxodizincatedichromate
54	49663-84-5	256-418-0	Pentazinc chromate octahydroxide
55	-	650-017-00-8	Aluminosilicate Refractory Ceramic Fibres (RCF)
56	-	650-017-00-8	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)
57	25214-70-4	500-036-1	Formaldehyde, oligomeric reaction products with aniline (technical MDA)
58	117-82-8	204-212-6	Bis(2-methoxyethyl) phthalate (DMEP, BMEP)
59	90-04-0	201-963-1	2-Methoxyaniline, o-Anisidine
60	140-66-9	205-426-2	4-(1,1,3,3-tetramethylbutyl)phenol
61	107-06-2	203-458-1	1,2-dichloroethane
62	111-96-6	203-924-4	Bis(2-methoxyethyl) ether
63	7778-39-4	231-901-9	Arsenic acid
64	7778-44-1	231-904-5	Calcium arsenate
65	3687-31-8	222-979-5	Trilead diarsenate
66	127-19-5	204-826-4	N,N-dimethylacetamide (DMAC)
67	101-14-4	202-918-9	2,2'-dichloro-4,4'-methylenedianiline (MOCA)
68	1977/9/8	201-004-7	Phenolphthalein
69	13424-46-9	236-542-1	Lead diazide, Lead azide
70	15245-44-0	239-290-0	Lead styphnate
71	6477-64-1	229-335-2	Lead dipicrate
72	112-49-2	203-977-3	1,2-bis(2-methoxyethoxy)ethane (TEGDME,triglyme)
73	110-71-4	203-794-9	1,2-dimethoxyethane,ethylene glycol dimethyl ether (EGDME)
74	1303-86-2	215-125-8	Diboron trioxide
75	1975/12/7	200-842-0	Formamide
76	17570-76-2	401-750-5	Lead(II) bis(methanesulfonate)
77	2451-62-9	219-514-3	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)
78	59653-74-6	423-400-0	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)
79	90-94-8	202-027-5	4,4'-bis(dimethylamino)benzophenone (Michler’s ketone)
80	101-61-1	202-959-2	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler’s base)
81	2580-56-5	219-943-6	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)
			with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)
82	548-62-9	208-953-6	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)
			with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)
83	561-41-1	209-218-2	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol
			with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)
84	6786-83-0	229-851-8	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)

			with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)
85	1163-19-5	214-604-9	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)
86	72629-94-8	276-745-2	Pentacosafluorotridecanoic acid (PFTrDA)
87	307-55-1	206-203-2	Tricosafluorododecanoic acid (PFDoA)
88	2058-94-8	218-165-4	Henicosafluoroundecanoic acid (PFUdA)
89	376-06-7	206-803-4	Heptacosafluorotetradecanoic acid (PFTeDA)
90	123-77-3	204-650-8	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)
91	-	-	Cyclohexane-1,2-dicarboxylic anhydride
			all possible combinations of the cis- and trans-isomers
	13149-00-3	236-086-3	cis-cyclohexane-1,2-dicarboxylic anhydride
	14166-21-3	238-009-9	trans-cyclohexane-1,2-dicarboxylic anhydride
	85-42-7	201-604-9	Cyclohexane-1,2-dicarboxylic anhydride
92	-	-	Hexahydromethylphthalic anhydride
			including cis- and trans- stereo isomeric forms and all possible combinations of the isomers
	48122-14-1	256-356-4	Hexahydro-1-methylphthalic anhydride
	25550-51-0	247-094-1	Hexahydromethylphthalic anhydride
	19438-60-9	243-072-0	Hexahydro-4-methylphthalic anhydride
	57110-29-9	260-566-1	Hexahydro-3-methylphthalic anhydride
93	-	-	4-Nonylphenol, branched and linear, ethoxylated
			substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof
94	-	-	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated
			covering well-defined substances and UVCB substances, polymers and homologues
95	625-45-6	210-894-6	Methoxyacetic acid
96	1968/12/2	200-679-5	N,N-dimethylformamide (DMFA)
97	683-18-1	211-670-0	Dibutyltin dichloride (DBTC)
98	1317-36-8	215-267-0	Lead monoxide (lead oxide)
99	1314-41-6	215-235-6	Orange lead (lead tetroxide)
100	13814-96-5	237-486-0	Lead bis(tetrafluoroborate)
101	1319-46-6	215-290-6	Trilead bis(carbonate) dihydroxide
102	12060-00-3	235-038-9	Lead titanium trioxide
103	12626-81-2	235-727-4	Lead titanium zirconium oxide
104	11120-22-2	234-363-3	Silicic acid, lead salt
105	68784-75-8	272-271-5	Silicic acid ($H_2Si_2O_5$), barium salt (1:1), lead-doped
106	106-94-5	203-445-0	1-bromopropane (n-propyl bromide)
107	75-56-9	200-879-2	Methyloxirane (Propylene oxide)
108	84777-06-0	284-032-2	1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear (PiPP)
109	605-50-5	210-088-4	Diisopentyl phthalate (DiPP)
110	776297-69-9	-	N-pentyl-isopentylphthalate (PiPP)
111	629-14-1	211-076-1	1,2-diethoxyethane
112	51404-69-4	257-175-3	Acetic acid, lead salt, basic
113	12036-76-9	234-853-7	Lead oxide sulfate
114	69011-06-9	273-688-5	[Phthalato(2-)]dioxotrilead
115	12578-12-0	235-702-8	Dioxobis(stearato)trilead

116	91031-62-8	292-966-7	Fatty acids, C16-18, lead salts
117	20837-86-9	244-073-9	Lead cyanamidate
118	10099-74-8	233-245-9	Lead dinitrate
119	12065-90-6	235-067-7	Pentalead tetraoxide sulphate
120	8012-00-8	232-382-1	Pyrochlore, antimony lead yellow (C.I. Pigment Yellow 41)
121	62229-08-7	263-467-1	Sulfurous acid, lead salt, dibasic
122	78-00-2	201-075-4	Tetraethyllead
123	12202-17-4	235-380-9	Tetralead trioxide sulphate
124	12141-20-7	235-252-2	Trilead dioxide phosphonate
125	110-00-9	203-727-3	Furan
126	64-67-5	200-589-6	Diethyl sulphate
127	77-78-1	201-058-1	Dimethyl sulphate
128	143860-04-2	421-150-7	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine
129	88-85-7	201-861-7	Dinoseb (6-sec-butyl-2,4-dinitrophenol)
130	838-88-0	212-658-8	4,4'-methylenedi-o-toluidine
131	101-80-4	202-977-0	4,4'-oxydianiline and its salts
132	1960/9/3	200-453-6	4-aminoazobenzene
133	95-80-7	202-453-1	4-methyl-m-phenylenediamine (toluene-2,4-diamine)
134	120-71-8	204-419-1	6-methoxy-m-toluidine (p-cresidine)
135	92-67-1	202-177-1	Biphenyl-4-ylamine
136	97-56-3	202-591-2	o-aminoazotoluene
137	95-53-4	202-429-0	o-toluidine
138	79-16-3	201-182-6	N-methylacetamide
139	7440-43-9	231-152-8	Cadmium
140	1306-19-0	215-146-2	Cadmium oxide
141	3825-26-1	223-320-4	Ammonium pentadecafluorooctanoate (APFO)
142	335-67-1	206-397-9	Pentadecafluorooctanoic acid (PFOA)
143	131-18-0	205-017-9	Dipentyl phthalate (DPP)
144	-	-	4-Nonylphenol, branched and linear
			substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof
145	1306-23-6	215-147-8	Cadmium sulphide
146	84-75-3	201-559-5	Dihexyl phthalate
147	573-58-0	209-358-4	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)
148	1937-37-7	217-710-3	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)
149	96-45-7	202-506-9	Imidazolidine-2-thione (2-imidazoline-2-thiol)
150	301-04-2	206-104-4	Lead di(acetate)
151	25155-23-1	246-677-8	Trixylyl phosphate
152	68515-50-4	271-093-5	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear
153	11138-47-9	234-390-0	Perboric acid, sodium salt
	15120-21-5	239-172-9	Sodium perborate
154	7632/4/4	231-556-4	Sodium peroxometaborate
155	10108-64-2	233-296-7	Cadmium chloride
156	7790-79-6	232-222-0	Cadmium fluoride
157	10124-36-4,	233-331-6	Cadmium sulphate

	31119-53-6		
158	3846-71-7	223-346-6	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)
159	25973-55-1	247-384-8	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)
160	15571-58-1	239-622-4	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)
161	-	-	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)
162	68648-93-1	272-013-1	1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)
	68515-51-5	271-094-0	1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)
163	-	-	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2]
			covering any of the individual stereoisomers of [1] and [2] or any combination thereof
164	98-95-3	202-716-0	Nitrobenzene
165	3864-99-1	223-383-8	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)
166	36437-37-3	253-037-1	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)
167	1120-71-4	214-317-9	1,3-propanesultone
168	-	-	Perfluorononan-1-oic-acid and its sodium and ammonium salts
	375-95-1	206-801-3	Perfluorononan-1-oic-acid
	21049-39-8	-	Sodium salts of perfluorononan-1-oic-acid
	4149-60-4	-	Ammonium salts of perfluorononan-1-oic-acid
169	50-32-8	200-028-5	Benzo[def]chrysene (Benzo[a]pyrene)
170	1980/5/7	201-245-8	4,4'-isopropylidenediphenol
			(Bisphenol A; BPA)
171	-	-	4-heptylphenol, branched and linear (4-HPbl)
172	-	-	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts
	335-76-2	206-400-3	Nonadecafluorodecanoic acid
	3830-45-3	-	Decanoic acid, nonadecafluoro-, sodium salt
	3108-42-7	221-470-5	Ammonium nonadecafluorodecanoate
173	80-46-6	201-280-9	p-(1,1-dimethylpropyl)phenol (PTAP)
174	355-46-4	206-587-1	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)
175	-	-	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)
176	218-01-9, 1719-03-5	205-923-4	Chrysene
177	10022-68-1, 10325-94-7	233-710-6	Cadmium nitrate
178	21041-95-2	244-168-5	Cadmium hydroxide
179	513-78-0	208-168-9	Cadmium carbonate
180	56-55-3, 1718-53-2	200-280-6	Benz[a]anthracene
181	-	-	Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)
182	61788-32-7	262-967-7	Terphenyl, hydrogenated
183	556-67-2	209-136-7	Octamethylcyclotetrasiloxane (D4)
184	7439-92-1	231-100-4	Lead
185	107-15-3	203-468-6	Ethylenediamine (EDA)
186	540-97-6	208-762-8	Dodecamethylcyclohexasiloxane (D6)
187	12008-41-2	234-541-0	Disodium octaborate

188	84-61-7	201-545-9	Dicyclohexyl phthalate (DCHP)
189	541-02-6	208-764-9	Decamethylcyclopentasiloxane (D5)
190	191-24-2	205-883-8	Benzo[ghi]perylene
191	552-30-7	209-008-0	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride; TMA)
192	6807-17-6	401-720-1	2,2-bis(4'-hydroxyphenyl)-4-methylpentane
193	207-08-9	205-916-6	Benzo[k]fluoranthene
194	206-44-0	205-912-4	Fluoranthene
195	1985/1/8	201-581-5	Phenanthrene
196	129-00-0	204-927-3	Pyrene
197	15087-24-8	239-139-9	1,7,7-trimethyl-3-(phenylmethylene) bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)
196	129-00-0	204-927-3	Pyrene
197	15087-24-8	239-139-9	1,7,7-trimethyl-3-(phenylmethylene)
			bicyclo[2.2.1]heptan-2-one (3- benzylidene camphor)
198	-	-	Tris(4-nonylphenyl, branched and linear)
			phosphite (TNPP) with ≥ 0.1% w/w of 4- nonylphenol, branched and linear (4- NP)
199	98-54-4	203-772-9	4-tert-butylphenol
200	110-49-6	202-679-0	2-methoxyethyl acetate
201	-	-	2,3,3,3-tetrafluoro-2-
			(heptafluoropropoxy)propionic acid, its salts and its acyl halides
			covering any of their individual isomers and combinations thereof
202	71850-09-4	276-090-2	Diisohexylphthalate
203	119313-12-1	404-360-3	2-benzyl-2-dimethylamino- 4'-morpholinobutyrophenone
204	71868-10-5	400-600-6	2-methyl-1-(4-methylthiophenyl)- 2-morpholinopropan-1-one
205			Perfluorobutane sulfonic acid(PFBS) and its salts
206	1072-63-5	214-012-0	1-vinylimidazole
207	693-98-1	211-765-7	2-methylimidazole
208	94-26-8	202-318-7	butyl 4-hydroxybenzoate
209	22673-19-4	245-152-0	Dibutylbis(pentane-2,4-dionato-O,O')tin
210	205-594-7	143-24-8	Bis(2-(2-methoxyethoxy)ethyl)ether
211			Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs.wherein C12 is the predominant carbon number of the fatty acyloxy moiety
212	-	-	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)
	310-154-3	121158-58-5	Phenol, dodecyl-, branched
	-	74499-35-7	Phenol, (tetrapropenyl) derivatives
	-	210555-94-5	Phenol, 4-dodecyl, branched
	-	27459-10-5	4-isododecylphenol
	-	57427-55-1	Phenol, tetrapropylene-
	-	27147-75-7	Phenol, 4-isododecyl-
213	-	-	orthoboric acid, sodium salt
	-	25747-83-5	boric acid (H3BO3), sodium salt, hydrate
	-	22454-04-2	Boric acid (H3BO3), disodium salt
	238-253-6	14312-40-4	Trisodium orthoborate
	215-604-1	1333-73-9	Boric acid, sodium salt
	237-560-2	13840-56-7	Orthoboric acid, sodium salt

	-	14890-53-0	Boric acid (H3BO3), sodium salt (1:1)
214	-	-	Medium-chain chlorinated paraffins (MCCP)
	-	1372804-76-6	Alkanes, C14-16, chloro
	287-477-0	85535-85-9	Alkanes, C14-17, chloro
	950-299-5	-	di-, tri- and tetrachlorotetradecane
	-	198840-65-2	Tetradecane, chloro derivs.
215	203-856-5	111-30-8	glutaral
216	201-025-1	77-40-7	4,4'-(1-methylpropylidene)bisphenol
217	-	-	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers
	-	75166-31-3	(2R)-3-(4-tert-butylphenyl)-2-methylpropanal
	201-289-8	80-54-6	2-(4-tert-butylbenzyl)propionaldehyde
	-	75166-30-2	(2S)-3-(4-tert-butylphenyl)-2-methylpropanal
218	-	-	2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)
	253-057-0	36483-57-5	2,2-dimethylpropan-1-ol, tribromo derivative (TBNPA)
	-	1522-92-5	3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA)
	221-967-7	3296-90-0	2,2-bis(bromomethyl)propane-1,3-diol (BMP)
	202-480-9	96-13-9	2,3-dibromo-1-propanol (2,3-DBPA)
219	204-661-8	123-91-1	1,4-dioxane
220	213-934-0	1067-53-4	tris(2-methoxyethoxy)vinylsilane
221	401-850-9	255881-94-8	S-(tricyclo[5.2.1.0'2,6]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate
222	204-327-1	119-47-1	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)
223	-	-	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)
	-	1782069-81-1	(3E)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one
	-	95342-41-9	(1R,3E,4S)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[2.2.1]heptan-2-one
	-	852541-25-4	(1S,3Z,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one
	253-242-6	36861-47-9	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one
	-	741687-98-9	(1R,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one
	-	852541-30-1	(1S,3E,4R)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[2.2.1]heptan-2-one
	-	852541-21-0	(1R,3Z,4S)-1,7,7-trimethyl-3-(4- methylbenzylidene)bicyclo[2.2.1]heptan-2-one
224	924-42-5	213-103-2	N-(hydroxymethyl)acrylamide
225	-	473-390-7	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine
226	6130-43-4	228-098-2	Perfluoroheptanoic acid and its salts Ammonium perfluoroheptanoate
	21049-36-5		potassium perfluoroheptanoate
	375-85-9	206-798-9	Perfluoroheptanoic acid
	20109-59-5	243-518-4	Sodium perfluoroheptanoate
227	108-78-1	203-615-4	Melamine
228	4247-02-3	224-208-8	Isobutyl 4-hydroxybenzoate
229	26040-51-7	247-426-5	bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof Bis(2-ethylhexyl) tetrabromophthalate
230	13701-59-2	237-222-4	Barium diboron tetraoxide
231	80-09-1	201-250-5	4,4'-sulphonyldiphenol
232	79-94-7	201-236-9	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol
233	37853-59-1	253-692-3	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]

234	80-07-9	201-247-9	Bis(4-chlorophenyl) Sulfone、(BCPS)
235	75980-60-8	278-355-8	Diphenyl(2,4,6-trimethylbenzoyl)phosphine Oxide 、(TPO)
236	-	700-960-7	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol Phenol, methylstyrenated EC No.: 270-966-8 | CAS No.: 68512-30-1
237	3896-11-5	223-445-4	Bumetrizole (UV-326)
238	119344-86-4	438-340-0	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one
239	3147-75-9	221-573-5	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)
240	732-26-3	211-989-5	2,4,6-tri-tert-butylphenol
241	80-43-3	201-279-3	Bis(α,α-dimethylbenzyl) peroxide
242	115-86-6	204-112-2	Triphenyl phosphate
243	2156592-54-8	701-118-1	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid
244	597-82-0	209-909-9	O,O,O-triphenyl phosphorothioate
245	107-51-7	203-497-4	Octamethyltrisiloxane
246	338-83-0	206-420-2	Perfluamine
247	192268-65-8	421-820-9	Reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives
248	17928-28-8	241-867-7	1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane
249	141-62-8	205-491-7	Decamethyltetrasiloxane
250	-	466-490-7	tetra(sodium/potassium) 7-[(E)-{2-acetamido-4-[(E)-(4-{[4-chloro-6-({2-[(4-fluoro-6-{[4-(vinylsulfonyl)phenyl]amino}-1,3,5-triazine-2-yl)amino]propyl}amino)-1,3,5-triazine-2-yl]amino}-5-sulfonato-1-naphthyl)diazenyl]-5-methoxyphenyl}diazenyl]-1,3,6-naphthalenetrisulfonate; Reactive Brown 51

No REACH substance(<0.1 wt% (1000ppm)) of 1-34 public very high concern materials in the List overleaf are intentionally added.

康揚企業股份有限公司

Signature: _____ **Issued Date:** **September 19, 2025**

Name (print) : **Leo Wu**

Title : **Environmental Management Representative**