

**Report No. 報告號:** 238513219a2 001

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**Client 客戶:** Formosa Chemicals & Fibre Corporation/台灣化學纖維股份有限公司  
201, Tung Hwa N. Rd., Taipei 105, Taiwan / 台灣105台北市敦化北路201號

**Test item(s) 測試樣品:** POLYPROPYLENE RANDOM COPOLYMER (聚丙烯隨機共聚物)

**Identification/Model No(s): 樣品描述/規格:** TAIRIPRO PP F4008, F4006, F4007, K4015, K4025, K4038, K4515, K4520, K4535, K4615, K4635, K4650, K4715, K4750, K5715, K5750, R4340, T3002, T4002, T4702

**Sample obtaining method: 樣品獲取方式:** Sending by customer

**Condition at delivery: 樣品接收狀態:** Test item complete and undamaged.

**Sample receiving date: 收樣日期:** 2021-04-07

**Testing period: 測試週期:** 2021-04-07 – 2021-04-21

**Place of testing: 測試地點:** TÜV Rheinland Hong Kong Ltd.

**Test specification 測試要求:**

**Test result 測試結果:**

Testing according to customers specification for the following parameters:

Risk Assessment of Articles: Screening of substances of very high concern (SVHC) subject to the candidate list by European Chemical Agency (ECHA) according to Regulation (EC) No. 1907/2006 of REACH and its amendments/  
產品風險評估：依據歐盟法規 (EC) No. 1907/2006 REACH 及其修正法規篩檢歐洲化學品管理局頒布的高度關注物質之候選清單。

Refer to result page  
參照測試報告

**Other information: 其他信息:** The test sample is model no. F4008.  
All the above item no. are the same chemical composition/color/manufacturing process according to client's declaration dated on 2021-04-06.

**For and on behalf of**  
**TÜV Rheinland Taiwan Ltd.**



2021-04-21  
Date 日期

Arthur Cheng/Project Manager  
Name/Position 姓名/職位

Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed.  
This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.  
"Decision Rule" document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.  
樣品信息由客戶提供。測試結果根據所做測試的種類和範圍而得出。本測試報告僅對來樣負責。未經本測試中心許可，測試報告不得部分複製。不能根據此報告在上述產品或類似產品上使用任何安全標誌。本測試報告中，描述符合性聲明所應用的判定規則發佈在我司官網 <https://www.tuv.com/landingpage/en/qm-gcn/>。

Screening of Substances of Very High Concern (SVHC) subject to the Candidate List by European Chemical Agency (ECHA) according to Regulation (EC) No. 1907/2006 of REACH and its amendments./ 依據歐盟法規 (EC) No. 1907/2006 REACH 及其修正法規篩檢歐洲化學品管理局頒布的高度關注物質之候選清單。

**Product Classification/產品類別:**

With reference to Corrigendum to Regulation (EC) no.1907/2006 and ECHA, this product is classified as

<input type="checkbox"/>	Article
<input type="checkbox"/>	Article with an integral substance/ mixture
<input type="checkbox"/>	Combinations of an article (functioning as a container or a carrier material) and a substance/ mixture
<input checked="" type="checkbox"/>	Substance/ mixture

**Conclusion/結論:**

Conclusion			
Product Location 產品部位	Acc. to Screening of Substances of Very High Concern (SVHC) in Candidate List for authorization published by European Chemicals Agency (ECHA) according to Regulation (EC) No. 1907/2006 of REACH and its amendments, the detected SVHC concentration in components level is/ 依據歐盟法規針對物品中高關注物質的候選清單所檢測出的高度關注物質含量如下	Obligation of Importer(*) (For article) 進口商義務	Detected Substance (if any)
Materials/材料	< 0.1%	Not necessary/ 非必須	--

(For article)

(\*) To communicate information down the supply chain according to article. 33 of REACH. **OR**

1. Notification to ECHA, if the quantities of SVHC in the produced/imported articles are above 1 ton in total per year per company.
2. Provide sufficient information to ensure safe use of the article and, as a minimum, include the name of the substance, to their customers and on request to consumers within 45 days of the receipt of this request.

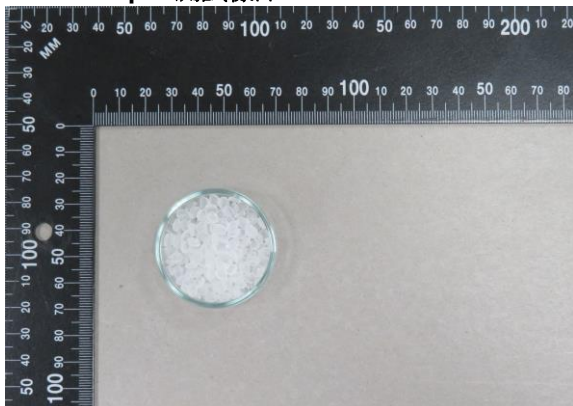
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第3頁共13頁**Test results/測試結果**

- Test Method: 1) A representative test portion is prepared by cryogenic milling.  
 測試方法 2) Test portion is digested with acid and assisted with microwave, the elements are analysed by ICP-OES.  
 3) Test portion is extracted by organic solvent, semi-quantitative analysis by GC-MS / UV-Vis  
 4) Test portion is extracted by organic solvent, the extraction solution is analyzed by Headspace-GC/MS / LC-DAD-MS / LC-MS/MS.  
 5) Screening Test by XRF Spectroscopy.

Sample/樣品明細 Material/材質 Lab.-No./實驗室編號	TAIRIPRO PP F4008 plastic/塑膠 / translucent/半透明 TCL210407-05
Result/結果(%)	< RL

Abbreviation: < = less than  
 RL = Reporting Limit  
 % = Percentage

**Test Sample/測試樣品**

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## Remark/備註:

(\*1) The reporting limit for each individual SVHC in Candidate List by ECHA/歐洲化學品管理局頒佈之高度關切物質清單以及報告檢出限值:

	Substances/物質	CAS no./ CAS 號碼	Reporting Limit/ 報告極限值
1	4,4'- Diaminodiphenylmethane (MDA) / 4,4'-二胺基二苯甲烷	101-77-9	0.01%
2	Benzyl butyl phthalate (BBP) / 鄰苯二甲酸丁酯苯甲酯	85-68-7	0.01%
3	Bis (2-ethylhexyl)phthalate (DEHP) / 鄰苯二甲酸二(2-乙基己基)酯	117-81-7	0.01%
4	Dibutyl phthalate (DBP) / 鄰苯二甲酸二丁基酯	84-74-2	0.01%
5	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane / 六溴環十二烷	25637-99-4 / 3194-55-6 / 134237-50-6 / 134237-51-7 / 134237-52-8	0.01%
6	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene) / 二甲苯麝香	81-15-2	0.01%
7	2,4-Dinitrotoluene (2,4-DNT) / 2,4-二硝基甲苯	121-14-2	0.01%
8	Diisobutyl phthalate (DIBP) / 鄰苯二甲酸二異丁酯	84-69-5	0.01%
9	Tris(2-chloroethyl)phosphate / 三(2-氯乙基)磷酸酯	115-96-8	0.01%
10	Diarsenic pentaoxide <sup>(*)2)</sup> / 五氧化二砷	1303-28-2	0.01%
11	Diarsenic trioxide <sup>(*)2)</sup> / 三氧化二砷	1327-53-3	0.01%
12	Lead chromate <sup>(*)2)(*)3)</sup> / 鉻酸鉛	7758-97-6	0.01%
13	Lead chromate molybdate sulphate red (C.I. Pigment Red 104) <sup>(*)2)(*)3)</sup> / 顏料紅 104	12656-85-8	0.01%
14	Lead sulfochromate yellow (C.I. Pigment Yellow 34) <sup>(*)2)</sup> / 顏料黃 34	1344-37-2	0.01%
15	Trichloroethylene / 三氯乙烯	79-01-6	0.01%
16	Chromium trioxide <sup>(*)2)</sup> / 三氧化鉻	1333-82-0	0.01%
17	Acids generated from chromium trioxide and their oligomers. Names of the acids and their oligomers: / 氧化鉻及其聚合物形成的酸 Chromic acid / 鉻酸, Dichromic acid / 重鉻酸, Oligomers of chromic acid and dichromic acid <sup>(*)2)</sup> / 重鉻酸聚合物	7738-94-5 / 13530-68-2	0.01%
18	Sodium dichromate <sup>(*)2)(*)3)</sup> / 重鉻酸鈉水合物	7789-12-0 / 10588-01-9	0.01%
19	Potassium dichromate <sup>(*)2)(*)3)</sup> / 重鉻酸鉀	7778-50-9	0.01%
20	Ammonium dichromate <sup>(*)2)(*)3)</sup> / 重鉻酸銨	7789-09-5	0.01%
21	Potassium chromate <sup>(*)2)(*)3)</sup> / 鉻酸鉀	7789-00-6	0.01%
22	Sodium chromate <sup>(*)2)(*)3)</sup> / 鉻酸鈉	7775-11-3	0.01%
23	Formaldehyde, oligomeric reaction products with aniline (technical MDA) <sup>(*)10)</sup> / 甲醛苯胺聚合物	25214-70-4	0.01%
24	1,2-Dichloroethane / 1,2-二氯乙烷	107-06-2	0.01%
25	Bis(2-methoxyethyl) ether / 二乙二醇二甲醚	111-96-6	0.01%
26	Arsenic acid <sup>(*)2)</sup> / 砷酸	7778-39-4	0.01%

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	Substances/物質	CAS no./ CAS 號碼	Reporting Limit/ 報告極限值
27	2,2'-dichloro-4,4'-methylenedianiline (MOCA) / 4,4'-二氨基-3,3'-二氯二苯甲烷	101-14-4	0.01%
28	Dichromium tris(chromate) <sup>(*)</sup> <sup>(*)</sup> / 鉻酸鉻	24613-89-6	0.01%
29	Strontium chromate <sup>(*)</sup> <sup>(*)</sup> / 鉻酸鋇	7789-06-2	0.01%
30	Potassium hydroxyoctaoxodizincatedichromate <sup>(*)</sup> <sup>(*)</sup> / 氫氧化鉻酸鋅鉀	11103-86-9	0.01%
31	Pentazinc chromate octahydroxide <sup>(*)</sup> <sup>(*)</sup> / 鉻黃	49663-84-5	0.01%
32	1-bromopropane (n-propyl bromide) / 正丙基溴	106-94-5	0.01%
33	Diisopentylphthalate / 鄰苯二甲酸二異戊酯	605-50-5	0.01%
34	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP) / 鄰苯二甲酸二(C6-8 支鏈與直鏈) 烷基酯, 富 C7	71888-89-6	0.01%
35	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP) / 1,2-苯二酸二(C7-11 支鏈與 直鏈)烷基(醇)酯	68515-42-4	0.01%
36	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear / 支鏈和直鏈 1,2-苯二羧二戊酯	84777-06-0	0.01%
37	Bis(2-methoxyethyl) phthalate / 鄰苯二甲酸二甲氧乙酯	117-82-8	0.01%
38	Dipentyl phthalate (DPP) / 鄰苯二甲酸二戊酯	131-18-0	0.01%
39	N-pentyl-isopentylphthalate / 鄰苯二甲酸正戊基異戊基酯	776297-69-9	0.01%
40	Anthracene oil <sup>(*)</sup> / 蔥油	90640-80-5	0.01% <sup>(*)</sup>
41	Pitch, coal tar, high temperature <sup>(*)</sup> / 瀝青, 煤焦油, 高溫	65996-93-2	0.01% <sup>(*)</sup>
42	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated (OPEO) [covering well-defined substances and UVCB substances, olymers and homologues] / 4-(1,1,3,3-四甲基丁基)苯酚, 乙 氧基-以及所有被定義的物質, 未知成分或可變成分的物 質, 聚合物和同系物	-	0.01%
43	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] / 分支或線性的壬基酚, 包括含有 9 個 碳烷基鏈的所有獨立的同分異構體和所有含有線性或分支 9 個碳烷基鏈的 UVCB 物質	---	0.01%
44	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear / 鄰苯二甲酸異己酯	68515-50-4	0.01%
45	Dihexyl phthalate / 鄰苯二甲酸二己酯	84-75-3	0.01%
46	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2- benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559- 5) / 1,2-苯二甲酸二 C6-10 烷基酯; 1,2-苯二甲酸混合癸、己 、辛二酯, 包含 ≥ 0.3% 的鄰苯二甲酸二己酯 (EC No. 201- 559-5)	68515-51-5/ 68648-93-1	0.01%
47	Trixylyl phosphate / 磷酸三(二甲苯)酯	25155-23-1	0.01%
48	Sodium perborate; perboric acid, sodium salt <sup>(*)</sup> <sup>(*)</sup> / 水合高硼酸鈉鹽類	-	0.01%

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	Substances/物質	CAS no./ CAS 號碼	Reporting Limit/ 報告極限值
49	Sodium peroxometaborate <sup>(*)</sup> <sup>(*)</sup> / 過硼酸鈉	7632-04-4	0.01%
50	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] / [1] 5-二級丁基-2-(2,4-二甲基環己-3-烯-1-基)-5-甲基-1,3-二噁烷, [2] 5-二級丁基-2-(4,6-二甲基環己-3-烯-1-基)-5-甲基-1,3-二噁烷 包含以下[1]與[2]之所有單獨立體異構物與其組成。	-	0.01%
51	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) / 2-(2'-羥基-3',5'-二特戊基苯基)苯並三唑	25973-55-1	0.01%
52	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) / 2,4-二叔丁基-6-(5-氯-2H-苯並三唑-2-基)苯酚(UV-327)	3864-99-1	0.01%
53	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) / 2-(2'-羥基-3'-異丁基-5'-叔丁基苯基)苯並三唑(UV-350)	36437-37-3	0.01%
54	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320) / 2-(2'-羥基-3',5'-二叔丁基苯基)-苯並三唑	3846-71-7	0.01%
55	Anthracene / 蒽	120-12-7	0.01%
56	Bis(tributyltin) oxide (TBTO) <sup>(*)</sup> <sup>(*)</sup> / 氧化雙三丁基錫	56-35-9	0.01%
57	Triethyl arsenate <sup>(*)</sup> / 三乙基砷酸鹽	15606-95-8	0.01%
58	Lead hydrogen arsenate <sup>(*)</sup> / 砷酸氫鉛	7784-40-9	0.01%
59	Cobalt(II) dichloride <sup>(*)</sup> / 二氯化鈷	7646-79-9	0.01%
60	Acrylamide / 丙烯酰胺	79-06-1	0.01%
61	Anthracene oil, anthracene paste, distn. lights <sup>(*)</sup> / 蒽油, 蒽糊, 輕油	91995-17-4	0.01% <sup>(*)</sup>
62	Anthracene oil, anthracene paste, anthracene fraction <sup>(*)</sup> / 蒽油, 蒽糊, 蒽餾分離液	91995-15-2	
63	Anthracene oil, anthracene-low <sup>(*)</sup> / 蒽油, 含蒽量少	90640-82-7	
64	Anthracene oil, anthracene paste <sup>(*)</sup> / 蒽油, 蒽糊	90640-81-6	
65	Boric acid <sup>(*)</sup> <sup>(*)</sup> / 硼酸	10043-35-3 / 11113-50-1	0.01%
66	Disodium tetraborate, anhydrous <sup>(*)</sup> <sup>(*)</sup> / 無水四硼酸二鈉	1303-96-4 / 1330-43-4 / 12179-04-3	0.01%
67	Tetraboron disodium heptaoxide, hydrate <sup>(*)</sup> <sup>(*)</sup> / 水合七氧四硼酸二鈉	12267-73-1	0.01%
68	2-Methoxyethanol / 2-乙二醇甲醚	109-86-4	0.01%
69	2-Ethoxyethanol / 2-乙氧基乙醇	110-80-5	0.01%
70	Cobalt(II) sulphate <sup>(*)</sup> / 硫酸鈷(II)	10124-43-3	0.01%
71	Cobalt(II) dinitrate <sup>(*)</sup> / 硝酸鈷(II)	10141-05-6	0.01%
72	Cobalt(II) carbonate <sup>(*)</sup> / 碳酸鈷(II)	513-79-1	0.01%
73	Cobalt(II) diacetate <sup>(*)</sup> / 醋酸鈷(II)	71-48-7	0.01%
74	Alkanes C10-C13, chloro (Short Chain Chlorinated Paraffins) (SCCP) / 短鏈氯化石蠟	85535-84-8	0.01%

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75	2-Ethoxyethyl acetate / 2-乙氧基乙酸乙酯	111-15-9	0.01%
76	Hydrazine / 肼	302-01-2 / 7803-57-8	0.01%
77	1-Methyl-2-pyrrolidone (NMP) / 1-甲基-2-吡咯烷酮	872-50-4	0.01%
78	1,2,3-Trichloropropane / 1,2,3-三氯丙烷	96-18-4	0.01%
79	Aluminosilicate Refractory Ceramic Fibres (RCF) <sup>(*)8)</sup> / 矽酸鋁, 耐火陶瓷纖維	-	0.01%
80	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) <sup>(*)8)</sup> / (Zr-RCF) 氧化鋯矽酸鋁, 耐火陶瓷纖維	-	0.01%
81	2-Methoxyaniline, o-Anisidine / 鄰甲氧基苯胺	90-04-0	0.01%
82	4-(1,1,3,3-tetramethylbutyl)phenol / 對特辛基苯酚	140-66-9	0.01%
83	Calcium arsenate <sup>(*)2)</sup> / 砷酸鈣	7778-44-1	0.01%
84	Trilead diarsenate <sup>(*)2)</sup> / 砷酸鉛	3687-31-8	0.01%
85	N,N-dimethylacetamide (DMAC) / 二甲基乙酰胺	127-19-5	0.01%
86	Phenolphthalein / 酚酞	77-09-8	0.01%
87	Lead dipicrate <sup>(*)2)</sup> / 苦味酸鉛	6477-64-1	0.01%
88	Lead diazide, Lead azide <sup>(*)2)</sup> / 疊氮化鉛	13424-46-9	0.01%
89	Lead styphnate <sup>(*)2)</sup> / 收斂酸鉛	15245-44-0	0.01%
90	1,2-bis(2-methoxyethoxy)ethane (TEGDME, triglyme) / 1,2-二(2-甲氧基乙氧基)乙烷 (三甘醇二甲醚)	112-49-2	0.01%
91	1,2-dimethoxyethane, ethylene glycol dimethyl ether (EGDME) / 1,2-二甲氧基乙烷 (乙二醇二甲醚)	110-71-4	0.01%
92	Diboron trioxide <sup>(*)2)</sup> <sup>(*)5)</sup> / 三氧化二硼	1303-86-2	0.01%
93	Formamide / 甲酰胺	75-12-7	0.01%
94	Lead(II) bis(methanesulfonate) <sup>(*)2)</sup> / 甲基磺酸鉛	17570-76-2	0.01%
95	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC) / 異氰尿酸三縮水甘油酯	2451-62-9	0.01%
96	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6- (1H,3H,5H)-trione ( $\beta$ -TGIC) / 1,3,5-三(環氧乙烷基甲基)- 1,3,5-三嗪-2,4,6-(1H,3H,5H)-三酮立體異構體	59653-74-6	0.01%
97	4,4'-bis(dimethylamino)benzophenone (Michler's ketone), MK / 4,4'-二(N,N-二甲氨基)二苯甲酮(四甲基米氏酮)	90-94-8	0.01%
98	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base), RMK / N,N,N',N'-四甲基-4,4'-二氨基二苯甲烷(四乙基米氏酮)	101-61-1	0.01%

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	Substances/物質	CAS no./ CAS 號碼	Reporting Limit/ 報告極限值
99	[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)] <sup>(*)</sup> / 碱性藍 26	2580-56-5	0.01%
100	[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)] <sup>(*)</sup> / 結晶紫 (4-(雙(P-(二甲氨基)苯基)亞甲基)-2,5-環己烯基-1-基銨	548-62-9	
101	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)] <sup>(*)</sup> / 4,4-二[(二甲氨基)苯基]-4-甲氨基苯甲醇	561-41-1	
102	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)] <sup>(*)</sup> / α, α -二[4-(二甲氨基)苯基]-4-苯基氨基-1-萘甲醇	6786-83-0	
103	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE) / 十溴聯苯醚	1163-19-5	0.01%
104	Pentacosafuorotridecanoic acid / 全氟十三酸	72629-94-8	0.01%
105	Tricosafuorododecanoic acid / 全氟十二酸	307-55-1	0.01%
106	Henicosafuoroundecanoic acid / 全氟十一酸	2058-94-8	0.01%
107	Heptacosafuorotetradecanoic acid / 全氟十四酸	376-06-7	0.01%
108	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA) <sup>(*)</sup> / 偶氮二甲醯胺	123-77-3	0.05%
109	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry] / 六氫苯二甲酸酐	85-42-7 / 13149-00-3 / 14166-21-3	0.01%
110	Hexahydromethylphthalic anhydride (MHHPA) [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry] / 甲基六氫苯酐	25550-51-0 / 19438-60-9 / 48122-14-1 / 57110-29-9	0.01%
111	N,N-dimethylformamide / N,N-二甲基甲醯	68-12-2	0.01%
112	1,2-Diethoxyethane / 乙二醇二乙醚	629-14-1	0.01%
113	Diethyl sulphate / 硫酸二乙酯	64-67-5	0.01%
114	Methoxyacetic acid (MAA) / 甲氧基乙酸	625-45-6	0.01%
115	Dimethyl sulphate / 硫酸二甲酯	77-78-1	0.01%
116	N-methylacetamide / N-甲基乙醯胺	79-16-3	0.01%
117	Furan / 呋喃	110-00-9	0.01%
118	Methyloxirane (Propylene oxide) / 環氧丙烷	75-56-9	0.01%



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119	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine / 3-乙基-2-甲基-2-(3-甲基丁基)-1,3-噁唑烷	143860-04-2	0.01%
120	Dibutyltin dichloride (DBTC) <sup>(15)</sup> / 二氯二丁基錫	683-18-1	0.01%
121	Dinoseb (6-sec-butyl-2,4-dinitrophenol) / 2-(1-甲基丙基)-4,6-二硝基苯酚	88-85-7	0.01%
122	4,4'-methylenedi-o-toluidine / 4,4'-二氨基-3,3'-二甲基聯苯基甲烷	838-88-0	0.01%
123	4,4'-oxydianiline and its salts / 4,4'-二氨基二苯醚	101-80-4	0.01%
124	4-Aminoazobenzene / 4,4'-二氨基二苯醚	60-09-3	0.01%
125	4-methyl-m-phenylenediamine (toluene-2,4-diamine) / 2,4-二氨基甲苯	95-80-7	0.01%
126	6-methoxy-m-toluidine (p-cresidine) / 3-甲基-6-甲氧基苯胺	120-71-8	0.01%
127	Biphenyl-4-ylamine / 4-胺基聯苯	92-67-1	0.01%
128	o-aminoazotoluene / 鄰氨基偶氮甲苯	97-56-3	0.01%
129	o-Toluidine / 鄰甲苯胺	95-53-4	0.01%
130	Acetic acid, lead salt, basic <sup>(2)</sup> / 城式醋酸鉛	51404-69-4	0.01%
131	Trilead bis(carbonate) dihydroxide <sup>(2)</sup> / 城式碳酸鉛	1319-46-6	0.01%
132	Lead oxide sulfate <sup>(2)</sup> / 城式硫酸鉛	12036-76-9	0.01%
133	[Phthalato(2-)]dioxotrilead <sup>(2)</sup> / (1,2-苯二羧酸根合)二氧化三鉛	69011-06-9	0.01%
134	Dioxobis(stearato)trilead <sup>(2)</sup> / 雙(十八酸基)二氧代三鉛	12578-12-0	0.01%
135	Fatty acids, C16-18, lead salts <sup>(2)</sup> / C16-18-脂肪酸鉛鹽	91031-62-8	0.01%
136	Lead bis(tetrafluoroborate) <sup>(2)</sup> / 四氟硼酸鉛(II)	13814-96-5	0.01%
137	Lead cyanamidate <sup>(2)</sup> / 氨基氰鉛鹽	20837-86-9	0.01%
138	Lead dinitrate <sup>(2)</sup> / 硝酸鉛	10099-74-8	0.01%
139	Lead monoxide (lead oxide) <sup>(2)</sup> / 氧化鉛	1317-36-8	0.01%
140	Orange lead (lead tetroxide) <sup>(2)</sup> / 四氧化鉛	1314-41-6	0.01%
141	Lead titanium trioxide <sup>(2)</sup> / 鈦酸鉛	12060-00-3	0.01%
142	Lead titanium zirconium oxide <sup>(2)</sup> / 鈦酸鉛鋯	12626-81-2	0.01%
143	Pyrochlore, antimony lead yellow <sup>(2)</sup> / C.I. 顏料黃 41	8012-00-8	0.01%
144	Pentalead tetraoxide sulphate <sup>(2)</sup> / 氧化鉛與硫酸鉛的複合物	12065-90-6	0.01%
145	Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD), the substance is a member of the group entry of lead compounds, with index number 082- 001-00-6 in Regulation (EC) No 1272/2008] <sup>(2)</sup> / 含鉛的矽酸鋇	68784-75-8	0.01%
146	Silicic acid, lead salt <sup>(2)</sup> / 矽酸鉛	11120-22-2	0.01%
147	Sulfurous acid, lead salt, dibasic <sup>(2)</sup> / 亞硫酸鉛 (II)	62229-08-7	0.01%
148	Tetraethyllead <sup>(2)</sup> / 四乙基鉛	78-00-2	0.01%
149	Tetralead trioxide sulphate <sup>(2)</sup> / 三城式硫酸鉛	12202-17-4	0.01%
150	Trilead dioxide phosphonate <sup>(2)</sup> / 磷酸氧化鉛	12141-20-7	0.01%

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151	Ammonium pentadecafluorooctanoate (APFO) <sup>(*)12)</sup> / 全氟辛酸銨	3825-26-1	0.01%
152	Pentadecafluorooctanoic acid (PFOA) / 全氟辛酸	335-67-1	0.01%
153	Cadmium <sup>(*)2)</sup> / 鎘	7440-43-9	0.01%
154	Cadmium oxide <sup>(*)2)</sup> / 氧化鎘	1306-19-0	0.01%
155	4-Nonylphenol, branched and linear, ethoxylated (NPEO) [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] / 分支或線性的乙氧化壬基酚 [包括含有 9 個碳烷基鏈的所有獨立的同分異構體和所有含有線性或分支 9 個碳烷基鏈的 UVCB 物質]	---	0.01%
156	Imidazolidine-2-thione; (2-imidazoline-2-thiol) / 伸乙硫脲(咪唑啉-2-硫酮)	96-45-7	0.01%
157	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate)(C.I. Direct Red 28) / 直接紅 28	573-58-0	0.01%
158	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) / 直接黑 38	1937-37-7	0.01%
159	Lead di(acetate) <sup>(*)2)</sup> / 醋酸鉛	301-04-2	0.01%
160	Cadmium sulphide <sup>(*)2)</sup> / 硫化鎘	1306-23-6	0.01%
161	Cadmium chloride <sup>(*)2)</sup> / 氯化鎘	10108-64-2	0.01%
162	Cadmium fluoride <sup>(*)2)</sup> / 氟化鎘	7790-79-6	0.01%
163	Cadmium sulphate <sup>(*)2)</sup> / 硫酸鎘	10124-36-4/ 31119-53-6	0.01%
164	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) <sup>(*)13)</sup> / 二正辛基-雙(巰乙酸 2-乙基己酯)錫 (DOTE)	15571-58-1	0.01%
165	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) <sup>(*)14)</sup> / 二正辛基-雙(巰乙酸 2-乙基己酯)錫 與甲基錫三(巰基乙酸異辛酯)的反應物 (DOTE 和 MOTE 反應物)	---	0.01%
166	1,3-propanesultone/ 1,3-丙烷磺酸內酯	1120-71-4	0.01%
167	Nitrobenzene / 硝基苯	98-95-3	0.01%
168	Perfluorononan-1-oic acid and its sodium and ammonium salts / 全氟壬酸及其鈉和銨鹽	375-95-1 / 21049-39-8 / 4149-60-4	0.01%
169	Benzo[def]chrysene (Benzo[a]pyrene) / 苯並[def]蒽(苯並[a]芘)	50-32-8	0.01%
170	4,4'-isopropylidenediphenol (bisphenol A) / 雙酚 A	80-05-7	0.01%
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts / 全氟癸酸(PFDA)及其鈉鹽和銨鹽	335-76-2 / 3830-45-3 / 3108-42-7	0.01%

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172	4-heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof] / 支鏈與直鏈的 4-庚基酚	-	0.01%
173	<i>p</i> -(1,1-dimethylpropyl)phenol / 4-叔戊基苯酚	80-46-6	0.01%
174	Perfluorohexane-1-sulfonic acid and its salts (PFHxS) / 全氟己基磺酸及其鹽類	-	0.01%
175	Chrysene / 蒽	218-01-9	0.01%
176	Benzo[a]anthracene / 苯並[a]蒽	56-55-3	0.01%
177	Cadmium nitrate <sup>(*)</sup> / 硝酸鎘	10325-94-7	0.01%
178	Cadmium hydroxide <sup>(*)</sup> / 氫氧化鎘	21041-95-2	0.01%
179	Cadmium carbonate <sup>(*)</sup> / 碳酸鎘	513-78-0	0.01%
180	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof] / 德克隆[包括所有反式和順式異構體及其組合]	-	0.01%
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear] / 1,3,4 噻二唑烷-2,5 二硫酮, 甲醛和 4-庚基苯酚的支鏈與直鏈的反應物(4-庚基苯酚, 支鏈與直鏈含量≥0.1% w/w)	-	0.01%
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride, TMA) / 1,2,4-苯三酸酐(偏苯三酸酐) (TMA)	552-30-7	0.01%
183	Dicyclohexyl phthalate (DCHP) / 鄰苯二甲酸二環己酯 (DCHP)	84-61-7	0.01%
184	Terphenyl, hydrogenated / 氫化三聯苯	61788-32-7	0.01%
185	Octamethylcyclotetrasiloxane (D4) / 八甲基環四矽氧烷 (D4)	556-67-2	0.01%
186	Decamethylcyclopentasiloxane (D5) / 十甲基環五矽氧烷 (D5)	541-02-6	0.01%
187	Dodecamethylcyclohexasiloxane (D6) / 十二甲基環六矽氧烷 (D6)	540-97-6	0.01%
188	Ethylenediamine (EDA) / 乙二胺 (EDA)	107-15-3	0.01%
189	Lead / 鉛	7439-92-1	0.01%
190	Disodium octaborate <sup>(*)</sup> <sup>(*)</sup> / 氧化硼鈉	12008-41-2	0.01%
191	Benzo[ghi]perylene / 苯并(g,h,i)芘	191-24-2	0.01%
192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane / 2,2-二(4-羥基苯基)-4-甲基戊烷	6807-17-6	0.01%
193	Benzo[k]fluoranthene / 苯并(k)芘	207-08-9	0.01%
194	Fluoranthene / 芘	206-44-0	0.01%
195	Phenanthrene / 菲	85-01-8	0.01%
196	Pyrene / 芘	129-00-0	0.01%
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo [2.2.1] heptan-2-one / 1,7,7-三甲基-3-(苯基亞甲基)雙環[2.2.1]庚烷-2-酮	15087-24-8	0.01%
198	2-methoxyethyl acetate / 2-甲氧基乙基乙酸酯	110-49-6	0.01%

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199	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP) / 三(4-壬基苯基, 支鏈和直鏈) 亞磷酸酯 (TNPP) (含 $\geq 0.1\%$ 的支鏈和直鏈 4-壬基苯酚)	-	0.01%
200	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof) / 2,3,3,3-四氟-2-(七氟丙氧基)丙酸及其鹽和酰基鹵化物(包括單體和組合)	-	0.01%
201	4-tert-butylphenol / 4-叔丁基苯酚	98-54-4	0.01%
202	Diisohexyl phthalate (DiHexP) / 鄰苯二甲酸二異己酯	71850-09-4	0.01%
203	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone / 2-苄基-2-二甲基氨基-4'-嗎啉代丁苯酮	119313-12-1	0.01%
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one / 2-甲基-1-(4-甲基硫代苯基)-2-嗎啉代丙烷-1-酮	71868-10-5	0.01%
205	Perfluorobutane sulfonic acid (PFBS) and its salts/ 全氟丁烷磺酸及其鹽類	-	0.01%
206	1-vinylimidazole / 1-乙烯基咪唑	1072-63-5	0.01%
207	2-methylimidazole / 2-甲基咪唑	693-98-1	0.01%
208	Butyl 4-hydroxybenzoate (Butylparaben) / 對羥基苯甲酸丁酯	94-26-8	0.01%
209	Dibutylbis(pentane-2,4-dionato-O,O')tin <sup>(15)</sup> / 雙(乙酰丙酮酸)二丁基錫	22673-19-4	0.01%
210	Bis(2-(2-methoxyethoxy)ethyl)ether / 雙(2-(2-甲氧基乙氧基)乙基)醚	143-24-8	0.01%
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 <sup>(13)</sup> / 二月桂酸二辛基錫, 錫烷, 二辛基-, 雙(椰油酰氧基)衍生物, 以及任何其他錫烷, 二辛基-, 雙(脂肪酰氧基)的衍生物。其中 C12 是脂肪酰氧基部分的主要碳原子數	-	0.01%

- (\*2) The substances are tested and calculated in terms of its respective elements and to the worst-case scenario. And the elements may come from the compounds other than SVHCs.
- (\*3) The substances are tested and calculated in terms of Cr (VI).
- (\*4) The substance is tested and calculated in terms of Tributyl tin.
- (\*5) The substances are confirmed and tested in terms of borate and the borate may come from the compounds other than SVHCs.
- (\*6) The substances are UVCB (substance of unknown or variable composition, complex reaction products or biological materials), which are identified by its main constituents.
- (\*7) Individual concentrations to the constituent of UVCB with an amount of < 0.01% were not considered by the calculation of the sum.
- (\*8) The test results are based on microscopic and chemical evaluation.
- (\*9) The substances are quantified in terms of Michler's ketone and Michler's base by LC-MS, as Michler's ketone or Michler's base was found exceeds 0.01%.
- (\*10) The content oligomer is determined by Py-GC/MS.
- (\*11) The content of diazene-1,2-dicarboxamide is analyzed in terms of its breakdown product.
- (\*12) The substance is tested in terms of pentadecafluorooctanoate.
- (\*13) The substance is tested and calculated in terms of Dioctyl tin.
- (\*14) The substance is tested and calculated in terms of Monoctyl tin and Dioctyl tin.
- (\*15) The substance is tested and calculated in terms of Dibutyl tin

--- End of Test-Report / 此報告結束---