# Raton



KATON® FKM FK1

高效能 fluoroelastomer 氟橡膠



## KATON® FKM FK1 系列

fluoroelastomer 氟橡膠

KATON® FKM FK1 系列非常適用於需要卓越壓縮組件和優異脫模性的應用。

KATON® FKM FK1 系列可以在O型環、墊圈和密封件的壓縮和傳遞模塑上使用。該產品可以採用典型的氟橡膠混合成分,透過兩輥磨機或封閉混合器完成混合作業。

以下為部分基本特性:

- 耐酸性佳
- 高溫性佳
- 低成本
- 規格尺寸齊全

該材料可以擠壓成軟管<mark>或型材,且可</mark> 壓延成片材或帶材。成品可以利用各 種橡膠加工法生產。



一般			
材料狀態	• 商用: 可		
#±4	<ul><li>共聚物</li></ul>	• 污染性低	• 良好的流動性
特色	• 低壓縮變	• 中低黏度	
 用途	• 皮帶/皮帶維修	• 軟管	• 密封
	• 墊圈	• 輪廓	• 板材
外觀	•黑色/緑色/棕色		
形狀	• 平板		
	• 配混	• 壓延成形	• 壓縮模塑
加工方式	• 延伸	• 樹脂轉注成型	
Shore A	• 76		
美國食品藥物局(FDA)	• FDA 21 CFR 177.2600		

物理性	單位及數值	測試方式
慕尼黏度 (ML 1+10,121°C)	41MU	無標準
含氟量	66%	無 <mark>標準</mark>
工作溫度	-5°C~220°C	ASTM D573

<sup>\*</sup> 文件描述為產品特性而非規範。

## **Technical Data**



特點	規格		
顏色		黑/咖啡/	
硬度,Shore A	75+/-5	74	
拉伸強度,MPa		15.2	
拉伸強度,Psi		2204	
伸長率,%		182	
壓縮變形			
70 小時 @ 200°C 變化率	50 max	7.6	
168 小時 @ 200°C 變化率	50 max	8.0	
熱老化(250°C,70小	時)		
硬度變化	+10 max	+1	
拉伸變化	-25 max	-7	
伸長率變化	-25 max	-8	
ASTM 燃料C(23°C,	70小時)		
硬度變化量	+/-5	-3	
拉伸 % 變更	-25 max	-21	
伸長率 % 變更	-20 max	-15	
體積 % 變更	0 to +10	+3	
低溫 D 2 1 3 7			
-25 °C 的脆性	合格	合格	

**FKM ASTM D1418** 

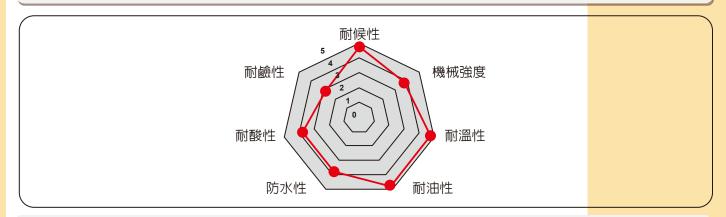
D2240 Designation: FKM-FK1 ISO 1629 Designation: FKM ASTM D2000/SAE J200

Type Class: HK

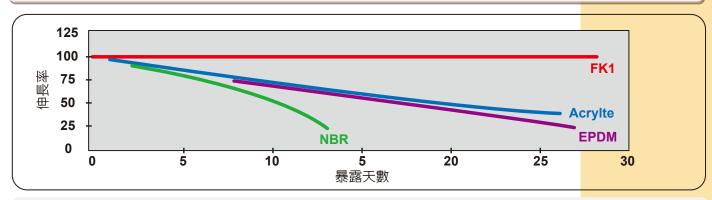




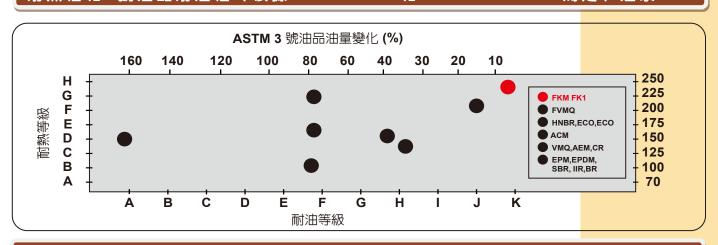
#### 特徵



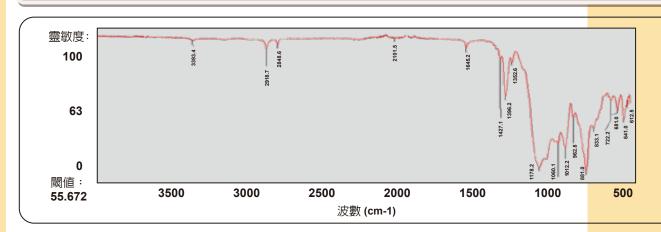
# 在150°C的熱空氣下,執行FK1的耐受性測試:透過測量原始伸長率,取得FK1的耐熱性



#### 耐熱性和3號油品耐油性(根據SAE J200和ASTM D2000而定)油泵



#### **FTIR**



## **Technical Data**



#### 動態特性

	氟化橡膠	矽膠	NBR	EPDM	CR
抗拉強度	Δ	×	0	Δ	
耐磨性	Δ	×	0	0	0
抗撕裂性	Δ	×	0	Δ	0

■:優 O:好 Δ:可 X:不推薦

#### 靜態特性

工作溫度	氟化橡膠	矽膠	NBR	EPDM	CR
壓縮組合	0	Δ	0	0	-
耐熱性	•		Δ	0	0
耐低溫	Δ		0	0	0
耐候性			Δ		0
耐臭氧性			Δ		0
耐礦物油性		Δ		×	Δ
耐汽油性		Δ		×	Δ
耐酸性		Δ	0	0	0
耐鹼性	0	Δ	0	0	0
耐甲苯性	Δ	Δ	Δ	Δ	×
耐酒精性	0	0	0	0	
耐酮性	Δ	Δ	Δ	0	Δ
耐乙醚性	Δ	0	×		0
防水性					-
耐燃性			Δ	Δ	0

#### ■:優 O:好 Δ:可 X:不推薦

#### 科頓聚合物股份有限公司

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Maxmold Polymer
Performance Elastomes





## **TESTREPORT - FDA**

## 測試報告

科頓聚合物股份有限公司

#### 以下測試樣品係由申請廠商所提供及確認:

送樣廠商 : 科頓聚合物股份有限公司

樣品材質 : 氟素橡膠 (FKM FK1 RUBBER)

原產國 : 台灣

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

測試需求 : 依據客戶指定,參考美國聯邦法規之藥物暨食品管理(FDA)-21 CFR 177. 2600所規定之要求

做測試.

測試結果

測試部位 No. 1 : 黑色橡膠

通過

測試項目	單位	測試方法	方法偵測 極限值	結果 No. 1	法規 限值
總萃取物(水,迴流,前7小時)		參考美國聯邦法規(CFR) Title 21, Pt 177. 2600	-	0. 7	20
總萃取物(水,迴流,接續2小 時)		參考美國聯邦法規(CFR) Title 21, Pt 177.2600	-	0. 3	1
總萃取物(正己烷,迴流,前7 小時)	_	參考美國聯邦法規(CFR) Title 21, Pt 177. 2600	-	0. 1	175
總萃取物(正己烷,迴流,接續 2小時)	_	參考美國聯邦法規(CFR) Title 21, Pt 177.2600	-	0. 1	4

#### 備註:

- 1. 0.1wt% = 1000ppm; mg/kg = ppm
- 2. MDL = Method Detection Limit / 方法偵測極限值
- 3. "-" = Not Regulated / 無規格值





## **TEST REPORT - ROHS**

## 測試報告

科頓聚合物股份有限公司

測試部位敘述 (Test Part Description)

No.1 : 氟素橡膠 (FKM FK1 RUBBER)

測試結果 (Test Results)

測試項目	測試方法	單位	MD	L	結果	限值
(Test Items)	(Method)	(Unit)			(Result)	(Limit)
					No.1	
鎘 (Cd) (Cadmium (Cd)) (CAS No.: 7440-	參考IEC 62321-5: 2013 · 以感應耦合電漿	mg/kg	2		n.d.	100
43-9)	發射光譜儀分析。(With reference to IEC					
	62321-5: 2013, analysis was performed					
	by ICP-OES.)					
鉛 (Pb) (Lead (Pb)) (CAS No.: 7439-92-1)	參考IEC 62321-5: 2013 · 以感應耦合電漿	mg/kg	2		n.d.	1000
	發射光譜儀分析。(With reference to IEC					
	62321-5: 2013, analysis was performed					
T (11 ) (14 ) (CACA) 7420	by ICP-OES.)	4				1000
汞 (Hg) (Mercury (Hg)) (CAS No.: 7439-	參考IEC 62321-4: 2013 + AMD1: 2017 ·	mg/kg	2		n.d.	1000
97-6)	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-					
六價鉻 (Hexavalent Chromium) Cr(VI)	OES.)   参考 EC 62321-7-2: 2017 · 以紫外光-可見	mg/kg	8	-	n.d.	1000
(CAS No.: 18540-29-9)	光分光光度計分析。(With reference to	mg/kg	0		n.u.	1000
(CAS No.: 10340 25 3)	IEC 62321-7-2: 2017, analysis was					
	performed by UV-VIS.)					
娜苯二甲酸丁苯甲酯 (BBP) (Butyl benzyl	performed by 6 v vis.)	mg/kg	50	)	n.d.	1000
phthalate (BBP)) (CAS No.: 85-68-7)		1119/119			11.0.	1000
鄰苯二甲酸二丁酯 (DBP) (Dibutyl	4 +//F 0 00004 0 0047 N/F/IIFI/K/K/K	mg/kg	50	)	n.d.	1000
phthalate (DBP)) (CAS No.: 84-74-2)	參考IEC 62321-8: 2017 · 以氣相層析儀/質					
鄰苯二甲酸二異丁酯 (DIBP) (Diisobutyl	譜儀分析。(With reference to IEC 62321-	mg/kg	50	)	n.d.	1000
phthalate (DIBP)) (CAS No.: 84-69-5)	8: 2017, analysis was performed by	3 3				
娜苯二甲酸二(2-乙基己基)酯 (DEHP) (Di-	GC/MS.)	mg/kg	50	)	n.d.	1000
(2-ethylhexyl) phthalate (DEHP)) (CAS						
No.: 117-81-7)						

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## **TEST REPORT - ROHS**

## 測試報告

科頓聚合物股份有限公司

測試項目	測試方法	單位	MDL	結果	限值
(Test Items)	(Method)	(Unit)		(Result)	(Limit)
				No.1	
一溴聯苯 (Monobromobiphenyl)		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 (Tetrabromobipenyl)		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)	參考IEC 62321-6: 2015 · 以氣相層析儀/質 r	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
一溴聯苯醚 (Monobromodiphenyl ether)	6: 2015, analysis was performed by	mg/kg	5	n.d.	-
二溴聯苯醚 (Dibromodiphenyl ether)	GC/MS.)	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)	Ī	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

#### 備註(Note):

- 1. mg/kg = ppm; 0.1wt% = 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. 符合性結果之判定係以測試結果與限值做比較。(The statement of compliance conformity is based on comparison of testing results and limits.)

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## **TEST REPORT - REACH**

科頓聚合物股份有限公司

測試部位敘述 (Test Part Description)

No.1 : 氟素橡膠 (FKM FK1 RUBBER)

#### 測試方法(Test Method)

參考RSTS-EE-SVHC-007,以感應耦合電漿發射光譜儀、紫外光可見光譜儀、氣相層析/質譜<mark>儀、液相層析/質譜</mark>儀、氣相層析儀/火焰光度偵測器、液相層析/質譜儀/二極體陣列偵測器分析。(With reference to RSTS-EE-SVHC-007, analysis was performed by ICP-OES, UV-VIS, GC/MS, LC/MS, GC/FPD, LC/MS/DAD.)

測試結果 (Test Results)

單位 (Unit): %

<mark>高</mark>關注物質(SVHC)候選清單 Candidate List of SVHC (2021/07/08)

物質名稱	RL	濃度	限值
(Substance Name)		(Conc <mark>entration)</mark>	(Limit)
, , , , , , , , , , , , , , , , , , ,		No.1	
所有高關注物質(SVHC)候選清單測試 (All tested SVHC in candidate list)	-	n.d.	0.1

#### Remark:

- 1. 高關注物質(SVHC)候選清單 Candidate List of SVHC (2021/07/08) https://echa.europa.eu/web/guest/candidate-list-table
- 2. 根據Regulation (EC) No 1907/2006 中第7條款第2項之規定·如果物質合乎第57條款之標準以及可依<mark>據第59(1)條之規定鑑別</mark> ·且同時符合下列兩項狀況·任何成品之製造人和進口人應向歐洲化學總署(ECHA)通報:
  - (a) 成品中所含物質每年超過1公噸。
  - (b) 依重量百分比計算,物質濃度超過0.1%。

In accordance with Regulation (EC) No 1907/2006, any producer or importer of articles shall notify ECHA, in accordance with paragraph 2 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation,

- if (a) the substance is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance is present in those articles above a concentration of 0.1% weight by weight (w/w).
- 3. Regulation (EC) No 1907/2006中第 33 條要求成品供應商·其成品所含物質符合第57條款的標準並依<mark>照第59(1)條款確定其濃</mark>度大於0.1wt%·應提供成品接受者充份可取得資訊·以確保成品的安全使用(至少包括物質的名稱)。
  - Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance.

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7. \*\*\*: 該物質是由單辛基錫、三辛基錫、三丁基錫、三丁基錫、全氟辛酸或各別元素 (例如:砷、鉛、六<mark>價鉻、硼、鈷、鋇、鎘)之</mark> 測試結果計算得知。(The substance was calculated by the test results of MonooctylTin, Dioctyl Tin, Tributyl Tin, Dibutyl Tin, PFOA or element (Ex. Arsenic, Lead, Cr(VI), Boron, Cobalt, Barium, Cadmium respectively).)

測試結果如下(The test result is given as):

單位(Unit): %

別説記入外 「(The test result is given as).	中位(OIIII). 70			
物質名稱 (Substance Name)	RL	濃度 (Concentration)		
		No.1		
三丁基錫 (Tributyl Tin) (TBT)	0.05	n.d.		
砷 (Arsenic) (As) (※ E)	0.005	n.d.		
六價鉻 (Hexavalent chromium) (Cr(VI))	0.005	n.d.		
硼 (Boron) (B) (※ E)	0.005	n.d.		
鈷 (Cobalt) (Co)	0.005	n.d.		
二丁基錫 (Dibutyl Tin) (DBT)	0.035	n.d.		
鋇 (Barium) (Ba)	0.005	0.169		
二辛基錫 (Dioctyl Tin) (DOT)	0.0225	n.d.		
單辛基錫 (MonooctylTin) (MOT)	0.0140	n.d.		
鉛 (Lead) (Pb)	0.005	n.d.		
鎘 (Cadmium) (Cd)	0.005	n.d.		

- 8. F參數換算表&分類 (F Parameter Conversion Table & Classification): https://eecloud.sgs.com/Region\_TW/DocDownload.aspx#otherDoc
- 9. (※ P): 此化合物之濃度是取六價鉻及鉛兩者各別換算出化合物濃度,並取其最小值做為最後出報告之依據. (Regarding the compound containing Cr(VI) and lead, lead and Cr(VI) are tested and respectively used for the calculation of the independent concentration of the compound containing Cr(VI) and lead. The minimum value of the two independently calculated concentrations is used as the final concentration for the report.)
- 10. (※ C): 鉻酸與重鉻酸的寡聚體: 因為其寡聚體是由未知數的鉻酸或與重鉻酸所組成,而導致沒<mark>有固定分子量,因此以</mark>單體鉻酸或重鉻酸較為重要並應被考慮。(Oligomers of chromic acid and dichromic acid: since the oligomers are made of the unknown amount of chromic acid or dichromic acid that results in no fixed molecular weight, therefore the monomer of chromic acid or dichromic acid is relevant and considered.)
- 11. (※ H): 水合硼酸鈉: 依照歐洲化學總署解釋以無水四硼酸二鈉數據作為代表(歐洲化學總署回信編號 Ref no.: INC 000000032519)。(Tetraboron disodium heptaoxide, hydrate: Only anhydrous form of disodium tetraborate is relevant and considered according to ECHA explanation (Ref no.: INC 000000032519).)
- 12. (※ S): 此砷鉛化合物之濃度是取砷及鉛兩者各別換算出砷鉛化合物濃度,並取其最小值做為最<mark>後出報告之依據.</mark> (Regarding the compound containing arsenic and lead, lead and arsenic are tested and respectively used for the calculation of the independent concentration of the compound containing arsenic and lead. The minimum value of the two independently calculated concentrations is used as the final concentration for the report.)

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SGS Taiwan Ltd. 台灣檢驗科技股份有限公司





科頓聚合物股份有限公司

#### 高關注物質(SVHC)候選清單 Candidate List of SVHC (2021/07/08):

單位 (Unit): %

	物質名稱	1	DI DI
No.			RL
	(Substance Name)		
	4,4' - 二氨基二苯甲烷 (4,4'- Diaminodiphenylmethane) (MDA) (CAS No.: 101-77-9)		0.05
2.			0.05
	短鏈氯化石蠟 (Alkanes, C10-13, chloro) (Short Chain Chlorinated Paraffins) (CAS No.: 85535-84-	-8)	0.05
	蒽 (Anthracene) (CAS No.: 120-12-7)		0.05
	鄰苯二甲酸丁苯甲酯 (Benzyl butyl phthalate) (BBP) (CAS No.: 85-68-7)		0.05
	氧化雙三丁基錫 (Bis(tributyltin) oxide) (TBTO)*** (CAS No.: 56-35-9)		-
	五氧化二砷 (Diarsenic pentaoxide)*** (CAS No.: 1303-28-2)		-
	三氧化二砷 (Diarsenic trioxide)*** (CAS No.: 1327-53-3)		-
	鄰苯二甲酸二丁酯 (Dibutyl phthalate) (DBP) (CAS No.: 84-74-2)		0.05
	六溴環十二烷及所有主要被辨別出的異構物 (Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α- HBCDD, β- HBCDD, γ- HBCDD)) (CAS No.: 25637-99-4 and 319 (134237-51-7, 134237-50-6, 134237-52-8))	4-55-6	0.05
	砷酸氫鉛 (Lead hydrogen arsenate)*** (CAS No.: 7784-40-9) (※ S)		-
12.	重鉻酸鈉 (Sodium dichromate)*** (CAS No.: 10588-01-9, 7789-12-0) (*)		-
13.	三乙基砷酸酯 (Triethyl arsenate)*** (CAS No.: 15606-95-8)		-
14.	鄰苯二甲酸二 (2-乙基己基)酯 (Bis (2-ethylhexyl)phthalate) (DEHP) (CAS No.: 117-81-7)		0.05
15.	2,4-二硝基甲苯 (2,4-Dinitrotoluene) (CAS No.: 121-14-2)		0.05
16.	蔥油 (Anthracene oil) (CAS No.: 90640-80-5) (**)		0.05
17.	蔥油, 蔥糊 (Anthracene oil, anthracene paste) (CAS No.: 90640-81-6) (**)		0.05
18.	蔥油, 蔥糊, 蔥餾分 (Anthracene oil, anthracene paste, anthracene fraction) (CAS No.: 91995-15-2	2) (**)	0.05
19.	蔥油, 蔥糊, 輕油 (Anthracene oil, anthracene paste, distn. Lights) (CAS No.: 91995-17-4) (**)		0.05
20.	蔥油, 含蔥量少 (Anthracene oil, anthracene-low) (CAS No.: 90640-82-7) (**)		0.05
21.	鄰苯二甲酸二異丁酯 (Diisobutyl phthalate) (CAS No.: 84-69-5)		0.05
22.	鉻酸鉛 (Lead chromate)*** (CAS No.: 7758-97-6) (※ P)		-
23.	鉬鉻紅;顏色索引: 顏料紅104 (Lead chromate molybdate sulphate red (C.I. Pigment Red 104))** 12656-85-8) (※ P)	** (CAS No.:	-
	鉻酸鉛;顏色索引:顏料黃34 (Lead sulfochromate yellow (C.I. Pigment Yellow 34))*** (CAS No.: 1 (※ P)	.344-37-2)	-
25.	煤瀝青, 高溫 (Pitch, coal tar, high-temp.) (CAS No.: 65996-93-2) (**)		0.05
26.	磷酸三(2-氯乙基)酯 (Tris(2-chloroethyl) phosphate) (TCEP) (CAS No.: 115-96-8)		0.05
27.	丙烯醯胺 (Acrylamide) (CAS No.: 79-06-1)		0.05
28.	重鉻酸銨 (Ammonium dichromate)*** (CAS No.: 7789-09-5)		-

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科頓聚合物股份有限公司

No.	物質名稱		RL
140.	初貞有冊 (Substance Name)		IXL
29	硼酸 (Boric acid)*** (CAS No.: 10043-35-3, 11113-50-1)		-
	無水四硼酸二鈉 (Disodium tetraborate, anhydrous)*** (CAS No.: 1303-96-4, 1330-43-4, 12179-	04-3)	_
	鉻酸鉀 (Potassium chromate)*** (CAS No.: 7789-00-6)	0 1 0)	_
	重鉻酸鉀 (Potassium dichromate)*** (CAS No.: 7778-50-9)		_
	鉻酸鈉 (Sodium chromate)*** (CAS No.: 7775-11-3)		_
	水合硼酸鈉 (Tetraboron disodium heptaoxide, hydrate) (CAS No.: 12267-73-1) (※ H)		_
	三氯乙烯 (Trichloroethylene) (CAS No.: 79-01-6)		0.05
	乙二醇乙醚 (2-Ethoxyethanol) (CAS No.: 110-80-5)		0.05
	乙二醇甲醚 (2-Methoxyethanol) (CAS No.: 109-86-4)		0.05
	從三氧化鉻與其它寡聚體生成的酸類: 鉻酸 (Acids generated from chromium trioxide and their oli	gomers:	-
	Chromic acid)*** (CAS No.: 7738-94-5)		
	從三氧化鉻與其它寡聚體生成的酸類: 重鉻酸 (Acids generated from chromium trioxide and their	oligomers:	-
	Dichromic acid)*** (CAS No.: 13530-68-2) 從三氧化鉻與其它寡聚體生成的酸類: 鉻酸與重鉻酸的寡聚體 (Acids generated from chromium tric	wide and	
	位二氧化酚與其它募悉履主成的酸類. 酚酸與重酚酸的募悉履 (Acids generated from chromium the their oligomers: Oligomers of chromic acid and dichromic acid) (※ C)	ixide and	-
39	三氧化鉻 (Chromium trioxide)***(CAS No.: 1333-82-0)		_
	碳酸鈷(二價) (Cobalt(II) carbonate)*** (CAS No.: 513-79-1)		_
1	醋酸鈷(二價) (Cobalt(II) diacetate)*** (CAS No.: 71-48-7)		_
	硝酸鈷(二價) (Cobalt(II) dinitrate)*** (CAS No.: 10141-05-6)		-
	硫酸鈷(二價) (Cobalt(II) sulphate)*** (CAS No.: 10124-43-3)		-
	1,2,3-三氯丙烷 (1,2,3-trichloropropane) (CAS No.: 96-18-4)		0.05
	鄰苯二甲酸二 (C6-8支鏈)烷基酯·富C7 (1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl es	sters, C7-	0.05
	rich) (DIHP) (CAS No.: 71888-89-6)		
46.	鄰苯二甲酸二 (C7-11支鏈與直鏈)烷基酯 (1,2-Benzenedicarboxylic acid, di-C7-11-branched and l	inear alkyl	0.05
47	esters) (DHNUP) (CAS No.: 68515-42-4) N-甲基吡咯烷酮 (1-Methyl-2-pyrrolidone) (NMP) (CAS No.: 872-50-4)		0.05
	· ···		0.05
	乙二醇乙醚乙酸酯 (2-ethoxyethyl acetate) (CAS No.: 111-15-9) 聯氨 (Hydrazine) (CAS No.: 7803-57-8, 302-01-2)		0.05
	聯致 (Hydrazine) (CAS No.: 7803-57-8, 302-01-2) 鉻酸鍶 (Strontium chromate)*** (CAS No.: 7789-06-2)		0.05
	新酸率 (Strontium Chromate)^^^ (CAS No.: 7789-06-2)   二氯化鈷 (Cobalt dichloride) (CAS No.: 7646-79-9)		- 0.005
51.			0.005
	1,2-二氯乙烷 (1,2-Dichloroethane) (CAS No.: 107-06-2)		0.05
	4,4'-亞甲雙 (2-氯苯胺) (2,2'-dichloro-4,4'-methylenedianiline) (CAS No.: 101-14-4)		0.05
54.	鄰甲氧基苯胺 (2-Methoxyaniline, o-Anisidine) (CAS No.: 90-04-0)		0.05

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科頓聚合物股份有限公司

No.	物質名稱		RL
	(Substance Name)		
55.	對特辛基苯酚 / 辛基酚 (4-(1,1,3,3-tetramethylbutyl)phenol) (CAS No.: 140-66-9)		0.05
56.	矽酸鋁·耐火陶瓷纖維 (主要成分濃度於可變範圍內) (Aluminosilicate Refractory Ceramic Fibres 【		0.05
	aluminium and silicon are the main components present (in the fibres) within variable concent	ration	
	ranges])		
	砷酸 (Arsenic acid)*** (CAS No.: 7778-39-4)		-
	双(2-甲氧基乙基)醚 (Bis(2-methoxyethyl) ether) (CAS No.: 111-96-6)		0.05
	鄰苯二甲酸二甲氧基乙酯 (Bis(2-methoxyethyl) phthalate) (CAS No.: 117-82-8)		0.05
	砷酸鈣 (Calcium arsenate)*** (CAS No.: 7778-44-1)		-
	鉻酸鉻 (Dichromium tris(chromate))*** (CAS No.: 24613-89-6)		-
62.	甲醛與苯胺的寡聚體 (Formaldehyde, oligomeric reaction products with aniline (technical MDA)) 25214-70-4)	(CAS No.:	0.05
63.	疊氮化鉛 (Lead diazide, Lead azide)*** (CAS No.: 13424-46-9)		-
64.	苦味酸鉛 (Lead dipicrate)*** (CAS No.: 6477-64-1)		-
65.	中性斯蒂酚酸鉛 (Lead styphnate)*** (CAS No.: 15245-44-0)		-
66.	N,N-二甲基乙醯胺 (N,N-dimethylacetamide) (DMAC) (CAS No.: 127-19-5)		0.05
67.	八氫氧化五鉻酸鋅 (Pentazinc chromate octahydroxide)*** (CAS No.: 49663-84-5)		-
68.	酚酞 (Phenolphthalein) (CAS No.: 77-09-8)		0.05
69.	氫氧化鉻酸鋅鉀 (Potassium hydroxyoctaoxodizincatedichromate)*** (CAS No.: 11103-86-9)		-
70.	砷酸鉛 (Trilead diarsenate)*** (CAS No.: 3687-31-8) (※ S)		-
71.	錯矽酸鋁·耐火陶瓷纖維 (主要成分濃度於可變範圍內) (Zirconia Aluminosilicate Refractory Ceram 【oxides of aluminium, silicon and zirconium are the main components present (in the fibres) v variable concentration ranges 】)		0.05
72.	鹼性藍 26 [內含≥ 0.1% 的米氏酮或米氏鹼] ([4-[[4-anilino-1-naphthyl][4- (dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chlorid Blue 26) [with ≥ 0.1% of Michler's ketone or Michler's base]) (CAS No.: 2580-56-5)	e (C.I. Basic	0.05
	鹼性紫 3 [內含≥ 0.1% 的米氏酮或米氏鹼] ([4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohex 1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with ≥ 0.1% of Michler's ketone or l base]) (CAS No.: 548-62-9)		0.05
	三甘醇二甲醚 (1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)) (CAS No.: 112-49-2)		0.05
	乙二醇二甲醚 (1, 2-dimethoxyethane; ethylene glycol dimethyl ether) (EGDME) (CAS No.: 110-7		0.05
	異氰尿酸三縮水甘油酯 (1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione) (TGIC) (CAS N62-9)		0.05
77.	異氰尿酸β-三縮水甘油酯 (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H TGIC) (CAS No.: 59653-74-6) (※ T)	l)-trione) (β-	0.05

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科頓聚合物股份有限公司

No.	物質名稱		RL
	(Substance Name)		
78.	α, α-二[(二甲氨基)苯基]-4-甲氨基苯甲醇 [內含≥ 0.1% 的米氏酮或米氏鹼] (4,4'-bis(dimethylamino) (methylamino)trityl alcohol) [with ≥ 0.1% of Michler's ketone or Michler's base] (CAS No.: 561-		0.05
79.	4,4'-二(N,N-二甲氨基)二苯甲酮 (米氏酮) (4,4'-bis(dimethylamino)benzophenone (Michler's ket No.: 90-94-8)	one)) (CAS	0.05
80.	三氧化二硼 (Diboron trioxide)*** (CAS No.: 1303-86-2)		-
	甲醯胺 (Formamide) (CAS No.: 75-12-7)		0.05
	甲基磺酸鉛 (Lead(II) bis(methanesulfonate))*** (CAS No.: 17570-76-2)		-
	4,4'-(对二甲氨基)二苯基甲烷 (米氏鹼) (N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's No.: 101-61-1)		0.05
84.	溶劑藍 4 [內含≥ 0.1% 的米氏酮或米氏鹼] (α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)na  1-methanol (C.I. Solvent Blue 4) [with ≥ 0.1% of Michler's ketone or Michler's base]) (CAS No.:		0.05
85.	[1,2-苯二羧酸根合]二氧化三鉛 ([Phthalato(2-)]dioxotrilead)*** (CAS No.: 69011-06-9)		-
86.	支鏈和直鏈1,2-苯二羧二戊酯 (1,2-Benzenedicarboxylic acid, dipentylester, branched and linear) 84777-06-0)	(CAS No.:	0.05
87.	乙二醇二乙醚 (1,2-Diethoxyethane) (CAS No.: 629-14-1)		0.05
88.	正丙基溴 (1-bromopropane (n-propyl bromide)) (CAS No.: 106-94-5)		0.05
89.	3-乙基-2-甲基-2-(3-甲基丁基)-1,3-惡唑烷 (3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine) 143860-04-2)	(CAS No.:	0.05
90.	4-(1,1,3,3-四甲基丁基)苯酚, 乙氧基 [以及所有的被定義的物質·未知成分或可變成分的物質·聚合物(4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB polymers and homologues])		0.05
91.	4,4'-二氨基-3,3'-二甲基聯苯基甲烷 (4,4'-Methylenedi-o-toluidine) (CAS No.: 838-88-0)		0.05
	4,4'-二氨基二苯醚 (4,4'-Oxydianiline and its salts) (CAS No.: 101-80-4)		0.05
93.	4-苯基偶氮基苯胺 (4-Aminoazobenzene) (CAS No.: 60-09-3)		0.05
94.	2,4-二氨基甲苯 (2,4-Diaminotoluene) (CAS No.: 95-80-7)		0.05
95.	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UVCB物質 (4-Nonylphenol, branched and linear [substances with a linear and/or branched alky a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-substances which include any of the individual isomers or a combination thereof])	yl chain with	0.05
	3-甲基-6-甲氧基苯胺 (6-methoxy-m-toluidine (p-cresidine)) (CAS No.: 120-71-8)		0.05
97.	堿式醋酸鉛 (Acetic acid, lead salt, basic)*** (CAS No.: 51404-69-4)		-
98.	4-氨基聯苯 (Biphenyl-4-ylamine) (CAS No.: 92-67-1)		0.05
99.	十溴聯苯醚 (Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)) (CAS No.: 11	63-19-5)	0.05

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科頓聚合物股份有限公司

No.	物質名稱		RL
	(Substance Name)		
	六氫苯二甲酸酐 (Cyclohexane-1,2-dicarboxylic anhydride (HHPA), cis-cyclohexane-1,2- dicarboxylic anhydride, trans-cyclohexane-1,2- dicarboxylic anhydride (Hexahydrophthalic anhydride - HHNo.: 85-42-7, 13149-00-3, 14166-21-3)	PA)) (CAS	0.05
101.	偶氮[二]甲醯胺 (Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA) (CAS No.: 123-77	-3)	0.05
102.	二氯二丁基錫 (Dibutyltin dichloride) (DBTC)*** (CAS No.: 683-18-1)		-
103.	硫酸二乙酯 (Diethyl sulphate) (CAS No.: 64-67-5)		0.05
104.	鄰苯二甲酸二異戊酯 (Diisopentyl phthalate) (CAS No.: 605-50-5)		0.05
105.	硫酸二甲酯 (Dimethyl sulphate) (CAS No.: 77-78-1)		0.05
106.	2-(1-甲基丙基)-4,6-二硝基苯酚 (Dinoseb (6-sec-butyl-2,4-dinitrophenol)) (CAS No.: 88-85-7)		0.05
107.	雙(十八酸基)二氧代三鉛 (Dioxobis(stearato)trilead)*** (CAS No.: 12578-12-0)		-
108.	C16-18-脂肪酸鉛鹽 (Fatty acids, C16-18, lead salts)*** (CAS No.: 91031-62-8)		-
109.	呋喃 (Furan) (CAS No.: 110-00-9)		0.05
110.	全氟十一酸 (Henicosafluoroundecanoic acid) (CAS No.: 2058-94-8)		0.05
111.	全氟十四酸 (Heptacosafluorotetradecanoic acid) (CAS No.: 376-06-7)		0.05
112.	甲基六氫苯酐 (Hexahydromethylphthalic anhydride) (CAS No.: 25550-51-0) 4-甲基六氫苯酐 (Hexahydro-4-methylphthalic anhydride) (CAS No.: 19438-60-9) 3-甲基六氫苯酐 (Hexahydro-3-methylphthalic anhydride) (CAS No.: 57110-29-9) 1-甲基六氫苯酐 (Hexahydro-1-methylphthalic anhydride) (CAS No.: 48122-14-1)		0.05
113.	四氟硼酸鉛 (II) (Lead bis(tetrafluoroborate))*** (CAS No.: 13814-96-5)		-
114.	氨基氰鉛鹽 (Lead cyanamidate)*** (CAS No.: 20837-86-9)		-
115.	硝酸鉛 (Lead dinitrate)*** (CAS No.: 10099-74-8)		-
116.	氧化鉛 (Lead monoxide) (lead oxide)*** (CAS No.: 1317-36-8)		-
117.	城式硫酸鉛 (Lead oxide sulfate)*** (CAS No.: 12036-76-9)		-
118.	鈦酸鉛 (Lead titanium trioxide)*** (CAS No.: 12060-00-3)		-
119.	鈦酸鉛鋯 (Lead Titanium Zirconium Oxide)*** (CAS No.: 12626-81-2)		-
120.	甲氧基乙酸 (Methoxyacetic acid) (CAS No.: 625-45-6)		0.05
121.	環氧丙烷 (Methyloxirane (Propylene oxide)) (CAS No.: 75-56-9)		0.05
122.	N,N-二甲基甲醯胺 (N,N-dimethylformamide; dimethyl formamide) (CAS No.: 68-12-2)		0.05
123.	N-甲基乙醯胺 (N-methylacetamide) (CAS No.: 79-16-3)		0.05
124.	鄰苯二甲酸正戊異戊酯 (n-pentyl-isopentylphthalate) (CAS No.: 776297-69-9)		0.05
125.	鄰氨基偶氮甲苯 (o-aminoazotoluene) (CAS No.: 97-56-3)		0.05
126.	四氧化鉛 (Orange lead (lead tetroxide))*** (CAS No.: 1314-41-6)		-

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No.	物質名稱		RL
	(Substance Name)		
	鄰甲苯胺 (o-Toluidine) (CAS No.: 95-53-4)		0.05
	全氟十三酸 (Pentacosafluorotridecanoic acid) (CAS No.: 72629-94-8)		0.05
	氧化鉛與硫酸鉛的複合物 (Pentalead tetraoxide sulphate)*** (CAS No.: 12065-90-6)		-
130.	C.I.顏料黃41 (Pyrochlore, antimony lead yellow)*** (CAS No.: 8012-00-8)		-
131.	含鉛的矽酸鋇 (Silicic acid (H2Si2O5), barium salt (1:1), lead-doped) (※ B) (CAS No.: 68784-75-8)		0.05
132.	矽酸鉛 (Silicic acid, lead salt)*** (CAS No.: 11120-22-2)		-
133.	亞硫酸鉛(II) (Sulfurous acid, lead salt, dibasic)*** (CAS No.: 62229-08-7)		-
134.	四乙基鉛 (Tetraethyllead)*** (CAS No.: 78-00-2)		-
135.	三鹼式硫酸鉛/ C.I. 顏料白 (Tetralead trioxide sulphate)*** (CAS No.: 12202-17-4)		-
136.	全氟十二酸 (Tricosafluorododecanoic acid) (CAS No.: 307-55-1)		0.05
137.	堿式碳酸鉛 (Trilead bis(carbonate) dihydroxide (basic lead carbonate))*** (CAS No.: 1319-46-6)		-
	磷酸氧化鉛 (Trilead dioxide phosphonate)*** (CAS No.: 12141-20-7)		_
	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	0.05
200.	的UVCB物質 (4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/o		0.00
	alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated co		
	UVCB- and well-defined substances, polymers and homologues, which include any of the indiv	vidual	
	isomers and/or combinations thereof])		
1	全氟辛酸銨 (Ammonium pentadecafluorooctanoate) (APFO)*** (CAS No.: 3825-26-1)		-
	鎘 (Cadmium) (Cd) (CAS No.: 7440-43-9)		0.005
	氧化鎘 (Cadmium oxide)*** (CAS No.: 1306-19-0)		-
143.	鄰苯二甲酸二戊酯 (Dipentyl phthalate) (DPP) (CAS No.: 131-18-0)		0.05
144.	全氟辛酸 (Pentadecafluorooctanoic acid) (PFOA) (CAS No.: 335-67-1)		0.05
145.	硫化鎘 (Cadmium sulphide)*** (CAS No.: 1306-23-6)		-
146.	鄰苯二甲酸二己酯 (Dihexyl phthalate) (CAS No.: 84-75-3)		0.05
147.	直接紅28 (Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphona	ite) (C.I.	0.05
	Direct Red 28)) (CAS No.: 573-58-0)		
148.	直接黑38 (Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-hydro	оху-6-	0.05
	(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)) (CAS No.: 1937-37-7)		
	亞乙基硫脲 (Imidazolidine-2-thione (2-imidazoline-2-thiol)) (CAS No.: 96-45-7)		0.05
	醋酸鉛 (Lead di(acetate))*** (CAS No.: 301-04-2)		-
	磷酸三(二甲苯)酯 (Trixylyl phosphate) (CAS No.: 25155-23-1)		0.05
152.	鄰苯二甲酸二己酯(支鏈和直鏈) (1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	) (CAS No.:	0.05
	68515-50-4)		

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No.	物質名稱		RL
	(Substance Name)		
	氯化鎘 (Cadmium chloride)*** (CAS No.: 10108-64-2)		-
154.	過硼酸鈉 (Sodium perborate; perboric acid, sodium salt)***		-
155.	過氧偏硼酸鈉 (Sodium peroxometaborate)*** (CAS No.: 7632-04-4)		-
	2-(2'-羥基-3',5'-二-叔-戊基苯基)苯並三唑 (紫外線吸收劑328) (2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol) (UV-328) (CAS No.: 25973-55-1)		0.05
	2-[2-羥基-3',5'-二-叔-丁基苯基]-苯並三唑 (紫外線吸收劑320) (2-benzotriazol-2-yl-4,6-di-tert-but(UV-320) (CAS No.: 3846-71-7)		0.05
	二正辛基-雙(2-乙基己基巰基乙酸酯)錫 (2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia stannatetradecanoate (DOTE))*** (CAS No.: 15571-58-1)	1-4-	-
	氟化鎘 (Cadmium fluoride)*** (CAS No.: 7790-79-6)		-
160.	硫酸鎘 (Cadmium sulphate)*** (CAS No.: 10124-36-4, 31119-53-6)		-
161.	二正辛基-雙(2-乙基己基巰基乙酸酯)錫和單辛基-三(2-乙基己基巰基乙酸酯)錫的反應物 (Reaction methylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylheethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetrad (reaction mass of DOTE and MOTE))***	xyl 10-	-
162.	鄰苯二甲酸二(C6-10)烷基酯; 鄰苯二甲酸二己、二辛、二癸酯混合物;鄰苯二甲酸二己酯 ≥ 0.3% (1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters wit dihexyl phthalate) (CAS No.: 68515-51-5, 68648-93-1)	h ≥ 0.3% of	0.05
163.	5-二級丁基-2-(2,4-二甲基環己-3-烯-1-基)-5-甲基-1,3-二氧環己烷[1],5-二級丁基-2-(4,6-二甲基環己基)-5-甲基-1,3-二氧環己烷[2],[ 任何[1]和[2]或者其任意組合的單獨異構物或其任何組合] (5-sec-butydimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof])	yl-2-(2,4- -en-1-yl)-	0.05
164.	1,3-丙烷磺内酯 (1,3-propanesultone) (CAS No.: 1120-71-4)		0.05
165.	2,4-二-叔丁基-6-(5-氯-2H-苯并三唑-2-基)苯酚(紫外線吸收劑327) (2,4-di-tert-butyl-6-(5-chlorob 2-yl)phenol) (UV-327) (CAS No.: 3864-99-1)	enzotriazol-	0.05
166.	2-(3-仲-丁基-5-叔丁基-2-羟苯基)苯并三唑(紫外線吸收劑 UV-350) (2-(2H-benzotriazol-2-yl)-4-(te (sec-butyl)phenol) (UV-350) (CAS No.: 36437-37-3)	ert-butyl)-6-	0.05
167.	硝基苯 (Nitrobenzene) (CAS No.: 98-95-3)		0.05
	全氟壬酸 (Perfluorononan-1-oic-acid and its sodium and ammonium salts) (CAS No.: 375-95-1, 8, 4149-60-4)	, 21049-39-	0.05
169.	苯并(a)芘 (Benzo[def]chrysene (Benzo[a]pyrene)) (CAS No.: 50-32-8)		0.05
170.	雙酚A (4,4'-isopropylidenediphenol) (Bisphenol A) (CAS No.: 80-05-7)		0.05

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No.	物質名稱		RL
	(Substance Name)		
171.	4-庚基苯酚·支鍊及直鍊 (4-HPbl)·包括含有7個碳烷基鏈的所有獨立的同分異構體和所有含有線性		0.05
	烷基鏈的UVCB物質 (4-Heptylphenol, branched and linear (4-HPbl) [substances with a linear and		
	branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4		
	covering also UVCB- and well-defined substances which include any of the individual isomers combination thereof])	or a	
172.	十九氟癸酸及其鈉和銨鹽 (Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium	salts) (CAS	0.05
1,2.	No.: 3108-42-7, 335-76-2, 3830-45-3)	, (	0.00
173.	對(1,1-二甲基丙基)苯酚 (p-(1,1-dimethylpropyl)phenol) (CAS No.: 80-46-6)		0.05
	全氟己基磺酸及其鹽類 (Perfluorohexane-1-sulphonic acid and its salts) (PFHxS) (CAS No.: 355-4	6-4)	0.05
175.	德克隆(涵蓋各個反式及順式同分易構物或者相關組合) (1,6,7,8,9,14,15,16,17, 17,18,18-		0.05
	Dodecachloropentacyclo [12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"TM)	[covering	
	any of its individual anti- and syn-isomers or any combination thereof])		
	苯並[a]蔥 (Benz[a]anthracene) (CAS No.: 56-55-3)		0.05
	硝酸鎘 (Cadmium nitrate)*** (CAS No.: 10325-94-7)		-
	碳酸鎘 (Cadmium carbonate)*** (CAS No.: 513-78-0)		-
	氫氧化鎘 (Cadmium hydroxide)*** (CAS No.: 21041-95-2)		-
	苯並[a]菲 (Chrysene) (CAS No.: 218-01-9)		0.05
181.	1,3,4-噻唑烷-2,5-二硫酮·甲醛及4-庚基苯酚支鏈及直鏈反應物, (RP-HP) [含≥0.1% w/w 支鏈及直鏈		-
	(Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, b	ranched	
	and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]) (※ R)		
	鄰苯二甲酸二環己酯 (Dicyclohexyl phthalate) (DCHP) (CAS No.: 84-61-7)		0.05
183.	1,2,4-苯三甲酸酐 (Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride; TMA)) (0 552-30-7)	CAS No.:	0.05
184.	苯並(G,H,I)苝 (Benzo[ghi]perylene) (CAS No.: 191-24-2)		0.05
185.	八甲基環四矽氧烷 (Octamethylcyclotetrasiloxane) (D4) (CAS No.: 556-67-2)		0.05
186.	十甲基環五矽氧烷 (Decamethylcyclopentasiloxane) (D5) (CAS No.: 541-02-6)		0.05
187.	十二甲基環六矽氧烷 (Dodecamethylcyclohexasiloxane) (D6) (CAS No.: 540-97-6)		0.05
188.	氧化硼鈉 (Disodium octaborate)*** (CAS No.: 12008-41-2)		-
189.	乙二胺 (Ethylenediamine) (CAS No.: 107-15-3)		0.05
190.	鉛 (Lead) (Pb) (CAS No.: 7439-92-1) (●)		0.005
191.	氫化三聯苯 (Terphenyl, hydrogenated) (CAS No.: 61788-32-7)		0.05
192.	2,2-雙(4-羥基苯基)-4-甲基戊烷 (2,2-bis(4'-hydroxyphenyl)-4-methylpentane) (CAS No.: 6807-17	7-6)	0.05
193.	苯駢(k)螢蔥 (Benzo[k]fluoranthene) (CAS No.: 207-08-9)		0.05
194.	苯駢苊 (Fluoranthene) (CAS No.: 206-44-0)		0.05

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No.	物質名稱		RL
	(Substance Name)		
	菲 (Phenanthrene) (CAS No.: 85-01-8)		0.05
	芘 (Pyrene) (CAS No.: 129-00-0)		0.05
197.	1,7,7-三甲基-3-(苯亞甲基)雙環[2,2,1]庚-2-酮 (1,7,7-trimethyl-3-(phenylmethylene) bicyclo[2.2.1] one (3-benzylidene camphor)) (CAS No.: 15087-24-8)	heptan-2-	0.05
198.	2,3,3,3-四氟-2-(七氟丙氧基)丙酸·鹽類·及其醯鹵(涵蓋他們其個別和組合之同分異構物) (2,3,3,3-te (heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individu and combinations thereof))		0.05
199.	2-甲烷氧基乙基乙酯 (2-methoxyethyl acetate) (CAS No.: 110-49-6)		0.05
200.	4-叔丁基苯酚 (4-tert-butylphenol) (CAS No.: 98-54-4)		0.05
201.	三(4-壬苯基,支鏈及直鏈)亞磷酸酯 含≥0.1%的支鏈及直鏈4-壬基酚 (Tris(4-nonylphenyl, branched a phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear) (4-NP)	nd linear)	0.05
202.	二異己基鄰苯二甲酸酯 (Diisohexyl phthalate) (CAS No.: 71850-09-4)		0.05
203.	2-苄基-2-二甲基氨基-1-(4-嗎啉苯基)丁酮 (2-benzyl-2-dimethylamino-4'-morpholinobutyrophe No.: 119313-12-1)	none) (CAS	0.05
204.	2-甲基-1-(4-甲硫基苯基)-2-嗎啡基-1-丙酮 (2-methyl-1-(4-methylthiophenyl)-2-morpholinopro (CAS No.: 71868-10-5)	pan-1-one)	0.05
205.	全氟丁磺酸及其相關鹽類 (Perfluorobutane sulfonic acid (PFBS) and its salts)		0.05
	1-乙烯基咪唑 (1-vinylimidazole) (CAS No.: 1072-63-5)		0.05
207.	2-甲基咪唑 (2-methylimidazole) (CAS No.: 693-98-1)		0.05
208.	4-羥基苯甲酸丁酯 (Butyl 4-hydroxybenzoate) (CAS No.: 94-26-8)		0.05
209.	二正丁基雙(乙醯丙酮基)錫 (Dibutylbis(pentane-2,4-dionato-O,O')tin)*** (CAS No.: 22673-19-4)		-
210.	雙(2-(2-甲氧基乙氧基)乙基)醚 (Bis(2-(2-methoxyethoxy)ethyl) ether) (CAS No.: 143-24-8)		0.05
211.	二月桂酸二辛基錫·錫烷·二辛基-·雙(椰油醯氧基)衍生物·以及任何其他錫烷·二辛基-·雙(脂肪槽物。其中C12為脂肪醯氧基部分的主要碳原子數 (Dioctyltin dilaurate, stannane, dioctyl-, bis(coco a derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predomin number of the fatty acyloxy moiety)***	acyloxy)	-
212.	1,4-二氧陸圜 (1,4-dioxane) (CAS No.: 123-91-1)		0.05
213.	2,2-雙(溴甲基)-1,3-丙二醇 (2,2-bis(bromomethyl)propane1,3-diol) (BMP) (CAS No.: 3296-90-0)		0.05
	3-溴-2,2-雙(溴甲基)-1-丙醇 (2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2- bis(bromomethyl)-1-propanol) (TBNPA) (CAS No.: 36483-57-5, 1522-92-5)		0.05
	2,3-二溴-1-丙醇 (2,3-dibromo-1-propanol) (2,3-DBPA) (CAS No.: 96-13-9)		0.05

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No.	物質名稱		RL
	(Substance Name)		
	2-(4-叔丁基苄基)丙醛及其個別立體異構物 ((2R)-3-(4-叔丁基苯基)-2-甲基丙醛; 2-(4-叔丁基苄基)丙 (4-叔丁基苯基)-2-甲基丙醛) (2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisc 3-(4-tert-butylphenyl)-2-methylpropanal; 2-(4-tert-butylbenzyl)propionaldehyde; (2S)-3-(4-tert-butylphenyl)-2-methylpropanal)) (CAS No.: 75166-31-3; 80-54-6; 75166-30-2)	mers ((2R)-	0.05
215.	雙酚B (4,4'-(1-methylpropylidene)bisphenol; (bisphenol B)) (CAS No.: 77-40-7)		0.05
216.	戊二醛 (Glutaral) (CAS No.: 111-30-8)		0.05
217.	中鏈氯化石蠟 (C14-16); 中鏈氯化石蠟 (C14-17); 二、三及四氯十四烷; 十四烷氯衍生物 (Alkanes, C1chloro; Alkanes, C14-17, chloro; di-, tri- and tetrachlorotetradecane; Tetradecane, chloro deriv 1372804-76-6; 85535-85-9; 198840-65-2)		0.05
218.	硼酸鈉鹽 (Orthoboric acid, sodium salt)*** (CAS No.: 13840-56-7)·硼酸鈉鹽及其水合物; 硼酸二鈉; 硼酸鈉; 硼酸鈉鹽 (1:1) (boric acid (H3BO3), sodium salt, hydrate; Boric acid (H3BO3), disodiu Trisodium orthoborate; Boric acid, sodium salt; Boric acid (H3BO3), sodium salt (1:1)) (CAS No. 5; 22454-04-2; 14312-40-4; 1333-73-9; 14890-53-0) (※ U)	m salt;	-
219.	經由低聚合反應烷基化的苯酚產物(主要在對位位置)帶有12個碳的支鏈或直鏈·並涵蓋各種同分異構種組合 (支鏈 4-十二烷基苯酚; 4-異十二烷基苯酚; 4-異十二烷基苯酚; 支鏈十二烷基苯酚; 四丙烯基苯丙烯苯酚) (Phenol, alkylation products (mainly in para position) with C12-rich branched or linear chains from oligomerisation, covering any individual isomers and/ or combinations thereof (Phenol, 4-dodecyl, branched; 4-isododecylphenol; Phenol, 4-isododecyl-; Phenol, dodecyl-, b Phenol, (tetrapropenyl) derivatives; Phenol, tetrapropylene-)) (CAS No.: 210555-94-5; 27459-175-7; 121158-58-5; 74499-35-7; 57427-55-1)	酚衍生物; 四 ar alkyl DDP) ranched;	0.05

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