

Report No. 報告號碼: 48271148b 001

Page 1 of 16  
第 1 頁 共 16 頁

Client 客戶: CHIA PANG PLASTICS CO., LTD./嘉澎塑膠有限公司  
No. 13, Lane 513, Shenlin South Road, Daya District, Taichung City.42859,  
Taiwan, R.O.C./ 台灣 42859 台中市大雅區神林南路 513 巷 13 號

Identification/Model No(s): Hershey/Double Union Ball Valve/鑲琪/雙邊由令球閥  
樣品描述/規格: VP-640 Series

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

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

Sample receiving date: 2025-01-13  
收樣日期:

Testing period: 2025-01-13 – 2025-01-24  
測試週期:

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

Test specification 測試要求:  
Customer Requirement/客戶要求:

Risk Assessment of Articles: Screening of 247 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 Reach 法規 (EC) No.1907/2006 及其修正案, 篩檢歐洲化學品管理局 (ECHA) 候選清單中的 247 項高度關注物質。

Test result 測試結果:

SVHC concentration(s)  
> 0.1%

For and on behalf of  
TÜV Rheinland Taiwan Ltd.





2025-02-13  
Date 日期

Arthur Cheng/Project Manager  
Name/Position 姓名/職位

Report Authenticity Verification, please email: [softlines@tw.tuv.com](mailto:softlines@tw.tuv.com).  
報告真實性確認, 如需驗證, 請電郵至 [softlines@tw.tuv.com](mailto:softlines@tw.tuv.com)。

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/>。

Test Report No./報告號碼 : 48271148b 001

Page 2 of 16  
第 2 頁 共 16 頁

**Material list/材料清單**

Material No./ 材料編號	Material/材質	Color/顏色	Location/位置	Remark
1	Plastic/塑膠	Gray/灰色	TCL250113-05A	BODY/本體灰色
2	Plastic/塑膠	Light gray/淺灰色	TCL250113-05B	BODY/本體淺灰色
3	Plastic/塑膠	Black/黑色	TCL250113-05C	STEM O—RING/中心 O 環/黑色
4	Plastic/塑膠	Red orange/橘紅色	TCL250113-05D	STEM O—RING/中心 O 環/橘紅色
5	Plastic/塑膠	White/白色	TCL250113-05E	SEAT/墊座/乳白色
6	Plastic/塑膠	Red/紅色	TCL250113-05F	HANDLE /把手/紅色
7	Metal/金屬	Coppery/銅色	TCL250113-05G	INSERTED NUT/本體埋銅/銅色
8	Plastic/塑膠	Blue/藍色	TCL250113-05H	HANDLE COVER/把手蓋/藍色

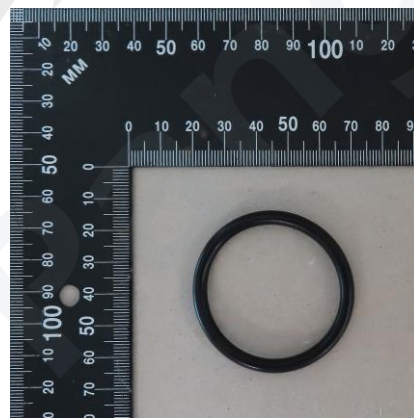
**Test Sample/測試樣品**



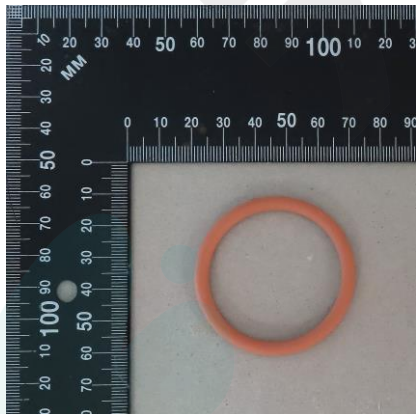
1



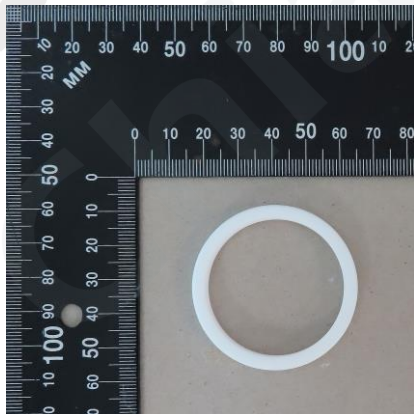
2



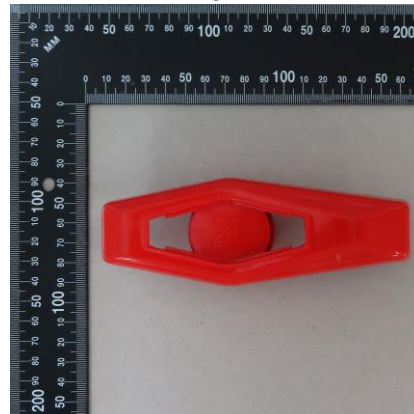
3



4



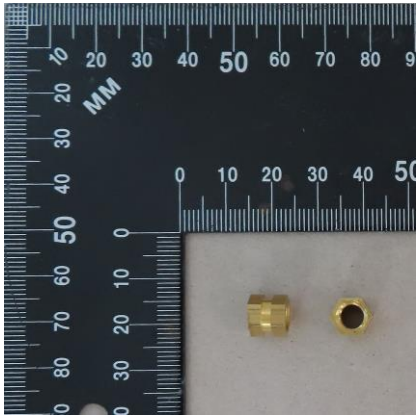
5



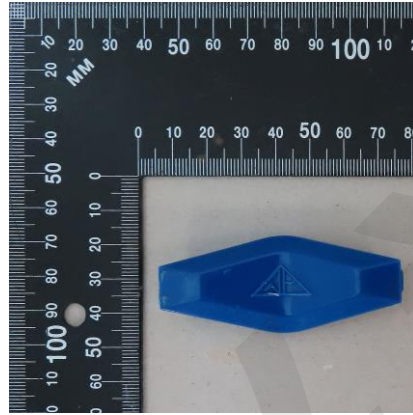
6

Test Report No./報告號碼 : 48271148b 001

Page 3 of 16  
第3頁共16頁



7



8

Product photo provided by client/客戶提供之產品照片



Test Report No./報告號碼: 48271148b 001

Page 4 of 16  
第4頁共16頁

**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 Reach 法規 (EC) No.1907/2006 及其修正案，篩檢歐洲化學品管理局 (ECHA) 候選清單中的高度關注物質。**

Obligation of Importer is necessary if the detected SVHC concentration in article level is >0.1%:  
/如果在物品中檢測到SVHC高度關注物質濃度大於0.1%則進口商有義務：

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

/ 依照 REACH 法規第 33 條需要向供應鏈告知或者：

1. Notification to ECHA, if the quantities of SVHC in the produced/imported articles are above 1 ton in total per year per company./ 如果一家公司生產/進口的物品中檢出的高度關注物質總量超過每年一噸，則需要向 ECHA 通報。
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.  
/ 向其客戶提供足夠的資訊以確保安全使用該物品，資訊至少包括物質名稱，並應消費者要求，在收到該要求45天內提供給他們。

#### Test results/測試結果

- Test Method: 1) SVOC: organic solvent extraction, determination by GC-MS/ECD  
測試方法 半揮發性有機物：有機溶劑萃取，氣相質譜聯用儀掃描法/氣相色譜電子捕獲檢測器測定
- 2) VOC: organic solvent extraction, determination by GC-MS  
揮發性有機物：有機溶劑萃取，氣相質譜聯用儀掃描法測定
- 3) VVOC: headspace-GC/MS analysis  
極易揮發性有機物：頂空-氣相質譜聯用儀掃描法分析
- 4) non-VOC: organic solvent extraction, determination by LC-MS/MS.  
非揮發性有機物，有機溶劑萃取，液相色譜-串聯質譜掃描法測定
- 5) inorganics: acid digestion, determination by ICP-OES  
無機物：酸消化，電感耦合等離子體發射光譜法分析測定

Material No./材料編號	Result/結果(%)
Mat.1+2+3+4	< RL
Mat.5+6+8	< RL
Mat.7	Pb:2.8266% ; Si:0.0319% ; Sb:0.0110% ; the content of <b>Lead:2.83% ; the theoretical content of Lead(II) bis (methanesulfonate)=5.42% ; Acetic acid, lead salt, basic=3.86% ; Trilead bis(carbonate) dihydroxide (basic lead carbonate)=3.53% ; Lead oxide sulfate=3.59% ; [Phthalato(2-)]dioxotrilead=3.72% ; Dioxobis (stearato)trilead=5.55% ; Fatty acids, C16-18, lead salts=6.70% ; Lead cyanamidate=3.37% ; Lead dinitrate=4.52% ; Lead oxide (lead monoxide)=3.04% ; Lead tetroxide (orange lead)=3.12% ; Pentalead tetraoxide sulphate=3.26% ; Pyrochlore, antimony lead yellow=0.03% ; Silicic acid, lead salt=0.32% ; Sulfurous acid, lead salt, dibasic=3.60% ; Tetraethyllead=4.41% ; Tetralead trioxide sulphate=3.32% ; Lead di(acetate)=4.44% ; Lead diazide, Lead azide=3.97% ; Lead dipicrate=9.05% ; Lead styphnate=6.14% .</b>

Abbreviation: < = less than /小於  
RL = Reporting Limit /報告檢出限值  
% = Percentage /百分比

Test Report No./報告號碼: 48271148b 001

Page 5 of 16  
第5頁共16頁

## Remark/備註:

(\*1) The reporting limit for each individual SVHC in Candidate List by ECHA/歐洲化學品管理局候選清單中每個高度關注物質的報告檢出限值:

	Substances/物質	CAS no./ CAS 號碼	Reporting Limit/ 報告極限值
1	4,4'- Diaminodiphenylmethane / 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 : 六溴環十二烷(HBCDD)及所有經確認的主要非對映異構體 : gamma-hexabromocyclododecane/ γ-六溴環十二烷 beta-hexabromocyclododecane/ β-六溴環十二烷 1,2,5,6,9,10-hexabromocyclododecane/ 1,2,5,6,9,10-六溴環十二烷 Hexabromocyclododecane/ 六溴環十二烷 alpha-hexabromocyclododecane/ α-六溴環十二烷	134237-52-8 / 134237-51-7 / 3194-55-6 / 25637-99-4 / 134237-50-6	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 (TCEP)/ 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-DCE)/ 1,2-二氯乙烷	107-06-2	0.01%

Test Report No./報告號碼: 48271148b 001

Page 6 of 16  
第6頁共16頁

	Substances/物質	CAS no./ CAS 號碼	Reporting Limit/ 報告極限值
25	Bis(2-methoxyethyl) ether (DEGDB)/ 二乙二醇二甲醚	111-96-6	0.01%
26	Arsenic acid <sup>(*)</sup> / 砷酸	7778-39-4	0.01%
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> / 鋅黃	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%

Test Report No./報告號碼：48271148b 001

Page 7 of 16  
第7頁共16頁

	Substances/物質	CAS no./ CAS 號碼	Reporting Limit/ 報告極限值
48	Sodium perborate; perboric acid, sodium salt <sup>(*)</sup> <sup>(5)</sup> / 水合高硼酸鈉鹽類	-	0.01%
49	Sodium peroxometaborate <sup>(*)</sup> <sup>(5)</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>(4)</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 dichloride <sup>(*)</sup> / 二氯化鈷	7646-79-9	0.01%
60	Acrylamide / 丙烯醯胺	79-06-1	0.01%
61	Anthracene oil, anthracene paste, distn. lights <sup>(*)</sup> <sup>(6)</sup> / 蒽油, 蒽糊, 輕油	91995-17-4	0.01% <sup>(*)</sup>
62	Anthracene oil, anthracene paste, anthracene fraction <sup>(*)</sup> <sup>(6)</sup> / 蒽油, 蒽糊, 蒽鹼分離液	91995-15-2	
63	Anthracene oil, anthracene-low <sup>(*)</sup> <sup>(6)</sup> / 蒽油, 含蒽量少	90640-82-7	
64	Anthracene oil, anthracene paste <sup>(*)</sup> <sup>(6)</sup> / 蒽油, 蒽糊	90640-81-6	
65	Boric acid <sup>(*)</sup> <sup>(5)</sup> / 硼酸	10043-35-3 / 11113-50-1	0.01%
66	Disodium tetraborate, anhydrous <sup>(*)</sup> <sup>(5)</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>(5)</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%

Test Report No./報告號碼: 48271148b 001

Page 8 of 16  
第8頁共16頁

	Substances/物質	CAS no./ CAS 號碼	Reporting Limit/ 報告極限值
74	Alkanes C10-C13, chloro (Short Chain Chlorinated Paraffins) (SCCP) / 短鏈氯化石蠟	85535-84-8	0.01%
75	2-Ethoxyethyl acetate / 2-乙氧基乙酸乙酯	111-15-9	0.01%
76	Hydrazine / 聯氨	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) / 二甲基乙醯胺	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 (FOR) / 甲醯胺	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	
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%



Test Report No./報告號碼: 48271148b 001

Page 9 of 16  
第9頁共16頁

	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>(*)2)</sup> / 鹼性藍 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>(*)9)</sup> / 結晶紫 (4-(雙(P-(二甲氨基)苯基)亞甲基)-2,5-環己烯基-1-基鎂	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>(*)9)</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>(*)9)</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	
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	Diazeno-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA) <sup>(*)11)</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 (DMF)/ 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%
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-惡唑烷	143860-04-2	0.01%
120	Dibutyltin dichloride (DBTC) <sup>(*)15)</sup> / 二氯二丁基錫	683-18-1	0.01%

Test Report No./報告號碼: 48271148b 001

Page 10 of 16  
第 10 頁 共 16 頁

	Substances/物質	CAS no./ CAS 號碼	Reporting Limit/ 報告極限值
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-氨基偶氮苯	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>(*)</sup> / 碱式醋酸鉛	51404-69-4	0.01%
131	Trilead bis(carbonate) dihydroxide <sup>(*)</sup> / 碱式碳酸鉛	1319-46-6	0.01%
132	Lead oxide sulfate <sup>(*)</sup> / 碱式硫酸鉛	12036-76-9	0.01%
133	[Phthalato(2-)]dioxotrilead <sup>(*)</sup> / (1,2-苯二羧酸根合)二氧化三鉛	69011-06-9	0.01%
134	Dioxobis(stearato)trilead <sup>(*)</sup> / 雙(十八酸基)二氧化三鉛	12578-12-0	0.01%
135	Fatty acids, C16-18, lead salts <sup>(*)</sup> / C16-18-脂肪酸鉛鹽	91031-62-8	0.01%
136	Lead bis(tetrafluoroborate) <sup>(*)</sup> / 四氟硼酸鉛(II)	13814-96-5	0.01%
137	Lead cyanamidate <sup>(*)</sup> / 氨基氰鉛鹽	20837-86-9	0.01%
138	Lead dinitrate <sup>(*)</sup> / 硝酸鉛	10099-74-8	0.01%
139	Lead monoxide (lead oxide) <sup>(*)</sup> / 氧化鉛	1317-36-8	0.01%
140	Orange lead (lead tetroxide) <sup>(*)</sup> / 四氧化鉛	1314-41-6	0.01%
141	Lead titanium trioxide <sup>(*)</sup> / 鈦酸鉛	12060-00-3	0.01%
142	Lead titanium zirconium oxide <sup>(*)</sup> / 鈦酸鉛鋯	12626-81-2	0.01%
143	Pyrochlore, antimony lead yellow <sup>(*)</sup> / C.I. 顏料黃 41	8012-00-8	0.01%
144	Pentalead tetraoxide sulphate <sup>(*)</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>(*)</sup> / 含鉛的矽酸鋇	68784-75-8	0.01%
146	Silicic acid, lead salt <sup>(*)</sup> / 矽酸鉛	11120-22-2	0.01%
147	Sulfurous acid, lead salt, dibasic <sup>(*)</sup> / 亞硫酸鉛 (II)	62229-08-7	0.01%
148	Tetraethyllead <sup>(*)</sup> / 四乙基鉛	78-00-2	0.01%
149	Tetralead trioxide sulphate <sup>(*)</sup> / 三鹼式硫酸鉛	12202-17-4	0.01%
150	Trilead dioxide phosphonate <sup>(*)</sup> / 磷酸氧化鉛	12141-20-7	0.01%
151	Ammonium pentadecafluorooctanoate (APFO) <sup>(*)</sup> / 全氟辛酸銨	3825-26-1	0.01%
152	Pentadecafluorooctanoic acid (PFOA) / 全氟辛酸	335-67-1	0.01%

Test Report No./報告號碼: 48271148b 001

Page 11 of 16  
第 11 頁 共 16 頁

	Substances/物質	CAS no./ CAS 號碼	Reporting Limit/ 報告極限值
153	Cadmium <sup>(*)</sup> / 鎘	7440-43-9	0.01%
154	Cadmium oxide <sup>(*)</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] / 分支或線性的乙氧基壬基酚 [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) / 仲乙硫脲(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>(*)</sup> / 醋酸鉛	301-04-2	0.01%
160	Cadmium sulphide <sup>(*)</sup> / 硫化鎘	1306-23-6	0.01%
161	Cadmium chloride <sup>(*)</sup> / 氯化鎘	10108-64-2	0.01%
162	Cadmium fluoride <sup>(*)</sup> / 氟化鎘	7790-79-6	0.01%
163	Cadmium sulphate (1,3-PS) <sup>(*)</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>(*)</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>(*)</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) (BPA) / 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%
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%

Test Report No./報告號碼: 48271148b 001

Page 12 of 16  
第 12 頁 共 16 頁

	Substances/物質	CAS no./ CAS 號碼	Reporting Limit/ 報告極限值
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 <sup>(*)</sup>	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%

Test Report No./報告號碼: 48271148b 001

Page 13 of 16  
第 13 頁 共 16 頁

	Substances/物質	CAS no./ CAS 號碼	Reporting Limit/ 報告極限值
199	Tris (4-nonylphenyl, branched and linear) phosphite (TNPP) / 三(4-壬基苯基, 支鏈和直鏈) 亞磷酸酯 (TNPP) Tris (4-nonylphenyl, branched) phosphite/ 亞磷酸三(4-壬基苯基, 支鏈)酯 Phenol, p-sec-nonyl-, phosphite/ 苯酚, 對仲壬基-, 亞磷酸酯 Phenol, 4-nonyl-, phosphite (3:1)/ 苯酚, 4-壬基-, 亞磷酸酯 (3:1) tris(nonylphenyl) phosphite/ 三(壬基苯基) 亞磷酸酯 Phenol, p-isononyl-, phosphite (3:1)/ 苯酚, 對異壬基-, 亞磷酸酯 (3:1)	- 106599-06-8 3050-88-2 26523-78-4 31631-13-7	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)丙酸及其鹽和醯基鹵化物(包括它們各自的同分異構物及其組合)	-	0.01%
201	4-tert-butylphenol (PTBP) / 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-1-(4-嗎啉苯基)丁酮	119313-12-1	0.01%
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one / 2-甲基-1-(4-甲硫基苯基)-2-嗎啡基-1-丙酮	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-乙炔基咪唑	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(乙醯丙酮酸)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(椰油醯氧基)衍生物, 以及任何其他錫烷, 二辛基-, 雙(脂肪醯氧基)的衍生物。其中 C12 是脂肪醯氧基部分的主要碳原子數	-	0.01%
212	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers / 2-(4-叔丁基苄基)丙醛及其立體異構體	-	0.01%
213	Orthoboric acid, sodium salt <sup>(2)(5)</sup> / 原硼酸鈉鹽	13840-56-7	0.01%
214	2,2-bis(bromomethyl)propane1,3-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)/ 2,2-雙(溴甲基)丙烷 1,3-二醇 (BMP); 2,2-二甲基丙-1-醇, 三溴衍生物/3-溴-2,2-雙(溴甲基)-1-丙醇(TBNPA); 2,3-二溴-1-丙醇(2,3-DBPA)	3296-90-0 / 36483-57-5 / 1522-92-5 / 96-13-9	0.01%
215	Glutaral / 戊二醛	111-30-8	0.01%

Test Report No./報告號碼: 48271148b 001

Page 14 of 16  
第 14 頁 共 16 頁

	Substances/物質	CAS no./ CAS 號碼	Reporting Limit/ 報告極限值
216	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17] / 中鏈氯化石蠟(MCCP) (UVCB 物質由大於或等於 80% 的碳鏈長度在 C14 至 C17 範圍內的直鏈氯代烷組成)	-	0.01%
217	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP) / 苯酚, 烷基化產物(主要在對位) 具有來自低聚的富含 C12 的支鏈 烷基鏈, 涵蓋單個異構體和/或它們的組合(PDDP)	-	0.01%
218	1,4-dioxane / 1,4 二惡烷	123-91-1	0.01%
219	4,4'-(1-methylpropylidene)bisphenol / 4,4'-(1-甲基亞丙基)雙酚	77-40-7	0.01%
220	tris(2-methoxyethoxy)vinylsilane/ 乙烯基-三(2-甲氧基乙氧基)矽烷	1067-53-4	0.01%
221	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/S-(三環[5.2.1.0'2,6]癸-3-烯-8(或 9)-基)O-(異丙基或異丁基或 2-乙基己基)O-(異丙基或異丁基或 2-乙基己基)二硫代磷酸酯	255881-94-8	0.01%
222	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)/ 2,2'-亞甲基雙-(4-甲基-6-叔丁基苯酚(DBMC)	119-47-1	0.01%
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) / (±)-1,7,7-三甲基-3-[(4-甲基苯基)亞甲基]雙環[2.2.1]庚-2-酮, 包括任何單獨的異構體和/或其組合(4-MBC) (3E)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo [2.2.1]heptan-2-one /(3E)-1,7,7-三甲基-3-(4-甲基苯亞甲基)雙環[2.2.1]庚-2-酮 (1R,3E,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo [2.2.1]heptan-2-one /(1R,3E,4S)-1,7,7-三甲基-3-(4-甲基苯亞甲基)雙環[2.2.1]庚-2-酮 (1S,3Z,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo [2.2.1]heptan-2-one /(1S,3Z,4R)-1,7,7-三甲基-3-(4-甲基苯亞甲基)雙環[2.2.1]庚-2-酮 (±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo [2.2.1]heptan-2-one /(±)-1,7,7-三甲基-3-[(4-甲基苯基)亞甲基]雙環[2.2.1]庚-2-酮 (1R,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo [2.2.1]heptan-2-one /(1R,4S)-1,7,7-三甲基-3-(4-甲基苯亞甲基)雙環[2.2.1]庚-2-酮 (1S,3E,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo [2.2.1]heptan-2-one /(1S,3E,4R)-1,7,7-三甲基-3-(4-甲基苯亞甲基)雙環[2.2.1]庚-2-酮 (1R,3Z,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo [2.2.1]heptan-2-one /(1R,3Z,4S)-1,7,7-三甲基-3-(4-甲基苯亞甲基)雙環[2.2.1]庚-2-酮	- 1782069-81-1 95342-41-9 852541-25-4 36861-47-9 741687-98-9 852541-30-1 852541-21-0	0.01%
224	N-(hydroxymethyl)acrylamide/ N-(羥甲基)丙烯醯胺	924-42-5	0.01%

Test Report No./報告號碼: 48271148b 001

Page 15 of 16  
第 15 頁 共 16 頁

	Substances/物質	CAS no./ CAS 號碼	Reporting Limit/ 報告極限值
225	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]/ 1,2-二(2,4,6-三溴苯氧基)乙烷	37853-59-1	0.01%
226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol (TBBPA)/ 四溴雙酚 A	79-94-7	0.01%
227	4,4'-sulphonyldiphenol/ 雙酚 S	80-09-1	0.01%
228	Barium diboron tetraoxide/ 偏硼酸鋇 (*2) (*5)	13701-59-2	0.01%
229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof/ 3,4,5,6-四溴-1,2-苯二羧酸雙(2-乙基己基)酯, 包括包括任何單 獨的異構體和/或其組合	-	0.01%
230	Isobutyl 4-hydroxybenzoate/ 4-羥基苯甲酸 2-甲基丙酯	4247-02-3	0.01%
231	Melamine/ 三聚氰胺	108-78-1	0.01%
232	Perfluoroheptanoic acid and its salts/ 全氟庚酸及其鹽類	-	0.01%
233	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/ 2,2,3,3,5,5,6,6-八氟-4-(1,1,1,2,3,3,3-七氟丙烷-2-基)嗎啉和 2,2,3,3,5,5,6,6-八氟-4-(七氟丙基)嗎啉的反應物料	-	0.01%
234	bis(4-chlorophenyl) sulphone/ 4,4'-二氯二苯砜	80-07-9	0.01%
235	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide (TPO)/ (2,4,6-三甲基苯甲酰基)二苯基氧化膦	75980-60-8	0.01%
236	Oligomerisation and alkylation reaction products of 2- phenylpropene and phenol Phenol, methylstyrenated EC / List no: 270-966-8   CAS no: 68512-30-1 / 2-苯丙烯與苯酚的低聚和烷基化反應產物	-	0.01%
237	Bumetizole / 2-(5-氯-2H-苯三唑-2-基)-6-(1,1-二甲基乙基)-4- 甲基苯酚 (UV-326)	3896-11-5	0.01%
238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4- (morpholin-4-yl)phenyl]butan-1-one / 2-(二甲氨基)-2-[(4-甲基苯基)甲基]-1-[4-(嗎啉-4-基)苯基] 丁-1-酮	119344-86-4	0.01%
239	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329) / [2-羥基-5-(1,1,3,3-四甲丁基)苯基]苯並三唑 (UV- 329)	3147-75-9	0.01%
240	2,4,6-tri-tert-butylphenol / 2,4,6-三叔丁基苯酚	732-26-3	0.01%
241	Bis(α,α-dimethylbenzyl) peroxide / 過氧化二異丙苯	80-43-3	0.01%
242	Triphenyl phosphate (TPP) / 磷酸三苯酯	115-86-6	0.01%
243	reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives / 三苯基硫代磷酸酯的叔丁基衍生物	192268-65-8	0.01%
244	Perfluamine / 全氟三丙胺	338-83-0	0.01%
245	Octamethyltrisiloxane / 八甲基三矽氧烷	107-51-7	0.01%
246	O,O,O-triphenyl phosphorothioate / O,O,O-三苯基硫代磷酸酯	597-82-0	0.01%
247	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5- dioxopyrrolidin-1-yl]hexanoic acid / 6-[(C10-C13)-烷基-(支鏈, 不飽和)-2,5-二氧代吡咯烷-1-基]己酸 (*19)	2156592-54-8	0.01%

Test Report No./報告號碼: 48271148b 001

Page 16 of 16  
第 16 頁 共 16 頁

- (\*2) The substances are tested and calculated in terms of its respective elements and to the worst-case scenario. The report states the theoretical value of SVHC substances without consideration of the actual occurrence in the article./ 這些物質按照其各自元素測定並按照最壞的情況進行計算。這些對應的元素可能來自SVHCs以外的化合物。
- (\*3) The substances are tested and calculated in terms of Cr (VI)./ 測試其代表性元素六價鉻
- (\*4) The substance is tested and calculated in terms of Tributyl tin./ 測試三丁基錫並以之做計算。
- (\*5) The substances are tested and calculated in terms of boron element and the boron element may come from the compounds other than SVHCs./ 這些物質通過硼元素來測定並計算，這些硼元素可能來自SVHCs以外的化合物。
- (\*6) The substances are UVCB (substance of unknown or variable composition, complex reaction products or biological materials), which are identified by its main constituents./ 該物質為未知或多種混合物，交錯反應物質或生物材料，以其主要組成物質分析之。
- (\*7) Individual concentrations to the constituent of UVCB with an amount of < 0.01% were not considered by the calculation of the sum./ 個別UVCB物質若含量小於0.01%，則不列入總和計算。
- (\*8) The test results are based on microscopic and chemical evaluation./ 測試結果依據顯微鏡和化學評估。
- (\*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%./ 當Michler's ketone或Michler's base含量超過0.01%時，用LC-MS以Michler's ketone和Michler's base做確認分析。
- (\*10) The content oligomer is determined by Py-GC/MS./ 聚合物的含量以Py-GC/MS分析
- (\*11) The content of diazene-1,2-dicarboxamide is analyzed in terms of its breakdown product. diazene-1,2-dicarboxamide 含量以其分裂物質分析。
- (\*12) The substance is tested in terms of pentadecafluorooctanoate.  
測試其代表性物質 pentadecafluorooctanoate 。
- (\*13) The substance is tested and calculated in terms of Dioctyl tin./ 測試二辛基錫並以之做計算。
- (\*14) The substance is tested and calculated in terms of Monoctyl tin and Dioctyl tin./ 測試單辛基錫和二辛基錫並以之做計算。
- (\*15) The substance is tested and calculated in terms of Dibutyl tin. 測試二丁基錫並以之做計算。
- (\*16) The tested material(s) was/were screened only for selected SVHCs. Selection of tests refers to the material type and application and the possibility of contamination during production & material specific contamination of the product./ 測試材料選擇性的篩選做高關注物質，根據材料的類型，應用或生產過程中可能造成的污染以及產品材料的特定污染去選擇性測試。
- (\*17) The other SVHCs which are not mentioned in test result were either not subject to testing according to remark \*16 or less than report limit./ 測試結果中沒有提及的其他高度關注物質，依據備註16無須測試或低於報告檢出限值。
- (\*18) The theoretical content of SVHC substances is calculated in terms of its respective elements. This material may contain the mentioned SVHCs, it is suggested to check the respective recipe if the theoretical content of the respective substance >0.1% in each article./ 高度關注物質濃度是通過相關的元素計算而得的理論含量。該材料可能含有提及的高度關注物質，若在整個物品中代表性物質的理論含量超過0.1%，建議檢查相應的配方。
- (\*19) Qualification is performed via determination of structural constituents. The result is reported as semi-quantitative equivalent concentration, relative to a reference compound./ 通過結構成分的測定進行鑒定。相對於參考化合物，結果報告為半定量等效濃度。
- (\*20) For this mixed sample, the result was found to be more than the reporting limit. It's recommended that individual sample should be tested separately./ 針對混測樣品，若發現混測結果大於報告檢出限值，建議拆分測試單獨測試每個樣品。
- (\*21) Chinese translation for document is for reference only/中文翻譯僅供參考。

--- End of Test-Report / 此報告結束---