

檢測報告 Test Report

報告編號 A2180042105138001E
Report No. A2180042105138001E

第 1 頁 共 23 頁
Page 1 of 23

申請單位 汎翊國際有限公司
Applicant FLYING INTERNATIONAL CO.,LTD.
地 址 24251 新北市新莊區中央路 226 號 19 樓(C 棟)
Address 19F., NO.226, ZHONGYANG RD., XINZHUANG DIST.,NEW TAIPEI CITY 242, TAIWAN
(R.O.C.)

以下測試之樣品及樣品信息由申請者提供並確認

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client

樣品名稱 Sample Name 電池五金件 電池塑膠件 F Series

客戶參考信息 Client 請參見第 22 頁

Reference Information Please refer to page 22

樣品接收日期 2018.04.17

Sample Received Date Apr. 17, 2018

樣品檢測日期 2018.04.17-2018.04.21

Testing Period Apr. 17, 2018 to Apr. 21, 2018

檢測要求 根據客戶要求, 參照法規(EC) No 1907/2006(REACH), 對所提交樣品中 181 種高關注物質(SVHC)進行篩選測試。

Test Requested As specified by client, to screen the 181 substances of very high concern (SVHC) under Regulation(EC) No 1907/2006 of REACH in the submitted sample(s).

檢測依據/檢測結果 請參見下頁。

Test Method/Test Result(s) Please refer to the following page(s).

摘要 根據分析結果, 所提交樣品中 181 種 SVHC 濃度均小於 0.1%(w/w)。

Summary According to the analytical results, concentrations of 181 SVHC substances are all less than 0.1%(w/w) in the submitted sample(s).

主 檢
Tested by

周紅霞

審 核
Reviewed by

顧翠麗

批 准
Approved by

蘇紅偉

日 期
Date

2018.04.21

實驗室高級經理 Senior Laboratory Manager

上海華測品標檢測技術有限公司

Centre Testing International Pinbiao(Shanghai) Co., Ltd.

No. R172791312

上海市浦東新區新金橋路 1996 號

No. 1996, Xinqinqiao Road, Pudong New District, Shanghai, China

检验检测专用章
Inspection & Testing Services

檢測報告

Test Report

報告編號 A2180042105138001E
Report No. A2180042105138001E

第 2 頁 共 23 頁
Page 2 of 23

檢測結果 Test Result(s)

| 批次 Batch | 序號 No. | 物質名稱 Substance Name(s) | CAS 號 CAS No. | EC 號 EC No. | 濃度 Concentration (%) | 報告 檢出限 Report Limit |
|-------------|-----------|---|---------------------------|-------------------------|----------------------------|------------------------------|
| I | 1 | 蒽 Anthracene | 120-12-7 | 204-371-1 | N.D. | 0.005% |
| I | 2 | 4,4'-二氨基二苯基甲烷 4,4'- Diaminodiphenylmethane | 101-77-9 | 202-974-4 | N.D. | 0.005% |
| I | 3 | 鄰苯二甲酸二丁酯 Dibutyl phthalate(DBP) | 84-74-2 | 201-557-4 | N.D. | 0.005% |
| I | 4 | 二氯化鈷 Cobalt dichloride* | 7646-79-9 | 231-589-4 | N.D. | 0.01% |
| I | 5 | 五氧化二砷 Diarsenic pentaoxide* | 1303-28-2 | 215-116-9 | N.D. | 0.01% |
| I | 6 | 三氧化二砷 Diarsenic trioxide* | 1327-53-3 | 215-481-4 | N.D. | 0.01% |
| I | 7 | 重鉻酸鈉 Sodium dichromate* | 7789-12-0 / 10588-01-9 | 234-190-3 | N.D. | 0.01% |
| I | 8 | 二甲苯麝香 Musk xylene | 81-15-2 | 201-329-4 | N.D. | 0.005% |
| I | 9 | 鄰苯二甲酸二(2-乙基己基)酯 Bis(2-ethyl(hexyl)phthalate) (DEHP) | 117-81-7 | 204-211-0 | N.D. | 0.005% |
| I | 10 | 六溴環十二烷 Hexabromocyclododecane (HBCDD) | 25637-99-4/ 3194-55-6 | 247-148-4/ 221-695-9 | N.D. | 0.005% |
| I | 11 | 短鏈氯化石蠟 Short Chain Chlorinated Paraffins(SCCPs) | 85535-84-8 | 287-476-5 | N.D. | 0.01% |
| I | 12 | 三丁基氧化錫 Bis(tributyltin)oxide (TBTO)* | 56-35-9 | 200-268-0 | N.D. | 0.005% |
| I | 13 | 砷酸氫鉛 Lead hydrogen arsenate* | 7784-40-9 | 232-064-2 | N.D. | 0.01% |
| I | 14 | 鄰苯二甲酸丁基苄酯 Benzyl butyl phthalate(BBP) | 85-68-7 | 201-622-7 | N.D. | 0.005% |
| I | 15 | 三乙基砷酸酯 Triethyl arsenate* | 15606-95-8 | 427-700-2 | N.D. | 0.01% |
| II | 16 | ①蒽油 Anthracene oil | 90640-80-5 | 292-602-7 | N.D. | 0.05% |
| II | 17 | ①蒽油,蒽糊,輕油 Anthracene oil, anthracene paste, distn. Lights ***** | 91995-17-4 | 295-278-5 | N.D. | 0.05% |

檢測報告

Test Report

報告編號 A2180042105138001E
Report No. A2180042105138001E

第 3 頁 共 23 頁
Page 3 of 23

| 批次 Batch | 序號 No. | 物質名稱 Substance Name(s) | CAS 號 CAS No. | EC 號 EC No. | 濃度 Concentration (%) | 報告 檢出限 Report Limit |
|-------------|-----------|--|--------------------------------------|------------------------|-------------------------|---------------------------|
| II | 18 | ①蒽油,蒽糊,蒽醌分 oil, anthracene paste, anthracene fraction | 91995-15-2 | 295-275-9 | N.D. | 0.05% |
| II | 19 | ①蒽油,含蒽量少 Anthracene oil, anthracene-low | 90640-82-7 | 292-604-8 | N.D. | 0.05% |
| II | 20 | ①蒽油,蒽糊 Anthracene oil, anthracene paste | 90640-81-6 | 292-603-2 | N.D. | 0.05% |
| II | 21 | ①煤焦油瀝青,高溫 Coal tar pitch, high temperature | 65996-93-2 | 266-028-2 | N.D. | 0.05% |
| II | 22 | 丙烯醯胺 Acrylamide | 79-06-1 | 201-173-7 | N.D. | 0.01% |
| II | 23 | 2,4-二硝基甲苯 2,4-Dinitrotoluene | 121-14-2 | 204-450-0 | N.D. | 0.01% |
| II | 24 | 鄰苯二甲酸二異丁酯 Diisobutyl phthalate (DIBP) | 84-69-5 | 201-553-2 | N.D. | 0.005% |
| II | 25 | ②鉻酸鉛 Lead chromate | 7758-97-6 | 231-846-0 | N.D. | 0.05% |
| II | 26 | ②鉬鉻紅(C.I.顏料紅 104) Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*** | 12656-85-8 | 235-759-9 | N.D. | 0.05% |
| II | 27 | ②鉛鉻黃(C.I.顏料黃 34) Lead sulfochromate yellow(C.I. Pigment Yellow 34)*** | 1344-37-2 | 215-693-7 | N.D. | 0.05% |
| II | 28 | 磷酸三(2-氯乙基)酯 Tris(2-chloroethyl)phosphate (TCEP) | 115-96-8 | 204-118-5 | N.D. | 0.01% |
| III | 29 | 三氯乙烯 Trichloroethylene | 79-01-6 | 201-167-4 | N.D. | 0.005% |
| III | 30 | 硼酸 Boric acid* | 10043-35-3 11113-50-1 | 233-139-2 234-343-4 | N.D. | 0.01% |
| III | 31 | ②四硼酸鈉, 無水 Disodium tetraborate, anhydrous***** | 1330-43-4 12179-04-3 1303-96-4 | 215-540-4 | N.D. | 0.01% |
| III | 32 | ②四硼酸鈉, 水合物 Tetraboron disodium heptaoxide, hydrate***** | 12267-73-1 | 235-541-3 | N.D. | 0.01% |
| III | 33 | 鉻酸鈉 Sodium chromate* | 7775-11-3 | 231-889-5 | N.D. | 0.01% |

檢測報告

Test Report

報告編號 A2180042105138001E
Report No. A2180042105138001E

第 4 頁 共 23 頁
Page 4 of 23

| 批次 Batch | 序號 No. | 物質名稱 Substance Name(s) | CAS 號 CAS No. | EC 號 EC No. | 濃度 Concentration (%) | 報告 檢出限 Report Limit |
|-------------|-----------|--|-------------------------|------------------------|----------------------------|------------------------------|
| III | 34 | 鉀鉻酸 Potassium chromate* | 7789-00-6 | 232-140-5 | N.D. | 0.01% |
| III | 35 | 重鉻酸銨 Ammonium dichromate* | 7789-09-5 | 232-143-1 | N.D. | 0.01% |
| III | 36 | 重鉻酸鉀 Potassium dichromate* | 7778-50-9 | 231-906-6 | N.D. | 0.01% |
| IV | 37 | 硫酸鈷 Cobalt(II) sulphate* | 10124-43-3 | 233-334-2 | N.D. | 0.01% |
| IV | 38 | 硝酸鈷 Cobalt(II) dinitrate* | 10141-05-6 | 233-402-1 | N.D. | 0.01% |
| IV | 39 | 碳酸鈷 Cobalt(II) carbonate* | 513-79-1 | 208-169-4 | N.D. | 0.01% |
| IV | 40 | 醋酸鈷 Cobalt(II) diacetate* | 71-48-7 | 200-755-8 | N.D. | 0.01% |
| IV | 41 | 乙二醇單甲醚 2-Methoxyethanol | 109-86-4 | 203-713-7 | N.D. | 0.005% |
| IV | 42 | 乙二醇單乙醚 2-Ethoxyethanol | 110-80-5 | 203-804-1 | N.D. | 0.005% |
| IV | 43 | 三氧化鉻 Chromium trioxide* | 1333-82-0 | 215-607-8 | N.D. | 0.01% |
| IV | 44 | ①從三氧化鉻產生的酸類以及 它們的齊聚物：鉻酸、重鉻酸、 鉻酸和重鉻酸的齊聚物 Acids generated from chromium trioxide and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid* | 7738-94-5 13530-68-2 | 231-801-5 236-881-5 | N.D. | 0.01% |
| V | 45 | 乙二醇乙醚乙酸酯 2-ethoxyethyl acetate | 111-15-9 | 203-839-2 | N.D. | 0.01% |
| V | 46 | 鉻酸銨 Strontium chromate* | 7789-06-2 | 232-142-6 | N.D. | 0.01% |
| V | 47 | ①1,2-苯二酸-二(C7-11 支鏈與直 鏈)烷基(醇)酯 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters | 68515-42-4 | 271-084-6 | N.D. | 0.01% |
| V | 48 | 肼 Hydrazine | 7803-57-8 302-01-2 | 206-114-9 | N.D. | 0.01% |
| V | 49 | N-甲基吡咯烷酮 1-methyl-2-pyrrolidone | 872-50-4 | 212-828-1 | N.D. | 0.01% |

檢測報告

Test Report

報告編號 A2180042105138001E
Report No. A2180042105138001E

第 5 頁 共 23 頁
Page 5 of 23

| 批次 Batch | 序號 No. | 物質名稱 Substance Name(s) | CAS 號 CAS No. | EC 號 EC No. | 濃度 Concentration (%) | 報告 檢出限 Report Limit |
|-------------|-----------|--|------------------|----------------|-------------------------|---------------------------|
| V | 50 | 1, 2, 3-三氯丙烷 1,2,3-trichloropropane | 96-18-4 | 202-486-1 | N.D. | 0.01% |
| V | 51 | ^① 鄰苯二甲酸二C6-8支鏈烷基酯 (C7富集) 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich | 71888-89-6 | 276-158-1 | N.D. | 0.01% |
| VI | 52 | 鉻酸鉻 Dichromium tris(chromate)* | 24613-89-6 | 246-356-2 | N.D. | 0.01% |
| VI | 53 | 氫氧化鉻酸鋅鉀 Potassium hydroxyoctaoxodizincatedichro mate* | 11103-86-9 | 234-329-8 | N.D. | 0.01% |
| VI | 54 | 氫氧化鉻酸鋅 Pentazinc chromate octahydroxide* | 49663-84-5 | 256-418-0 | N.D. | 0.01% |
| VI | 55 | ^② 矽酸鋁耐火陶瓷纖維 Aluminosilicate Refractory Ceramic Fibres (RCF) ** | - | - | N.D. | 0.05% |
| VI | 56 | ^② 氧化鋯矽酸鋁耐火陶瓷纖維 Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) ** | - | - | N.D. | 0.05% |
| VI | 57 | ^① 甲醛苯胺共聚物 Formaldehyde, oligomeric reaction products with aniline (technical MDA) [▲] | 25214-70-4 | 500-036-1 | N.D. | 0.01% |
| VI | 58 | 鄰苯二甲酸二甲氧基乙酯 Bis(2-methoxyethyl) phthalate | 117-82-8 | 204-212-6 | N.D. | 0.005% |
| VI | 59 | 2-甲氧基苯胺(鄰甲氧基苯胺) 2-Methoxyaniline (o-Anisidine) | 90-04-0 | 201-963-1 | N.D. | 0.005% |
| VI | 60 | 4-(1,1,3,3-四甲基丁基)苯酚 (別名：對特辛基苯酚) 4-(1,1,3,3-tetramethylbutyl) phenol (4-tert-Octylphenol) | 140-66-9 | 205-426-2 | N.D. | 0.005% |

檢測報告

Test Report

報告編號 A2180042105138001E
Report No. A2180042105138001E

第 6 頁 共 23 頁
Page 6 of 23

| 批次 Batch | 序號 No. | 物質名稱 Substance Name(s) | CAS 號 CAS No. | EC 號 EC No. | 濃度 Concentration (%) | 報告 檢出限 Report Limit |
|-------------|-----------|--|------------------|----------------|----------------------------|------------------------------|
| VI | 61 | 1,2-二氯乙烷 1,2-Dichloroethane | 107-06-2 | 203-458-1 | N.D. | 0.005% |
| VI | 62 | 雙(2-甲氧基乙基)醚 (別名：二乙二醇二甲醚) Bis(2-methoxyethyl) ether | 111-96-6 | 203-924-4 | N.D. | 0.005% |
| VI | 63 | 砷酸 Arsenic acid* | 7778-39-4 | 231-901-9 | N.D. | 0.01% |
| VI | 64 | 砷酸鈣 Calcium arsenate* | 7778-44-1 | 231-904-5 | N.D. | 0.01% |
| VI | 65 | 砷酸鉛 Trilead diarsenate* | 3687-31-8 | 222-979-5 | N.D. | 0.01% |
| VI | 66 | N,N-二甲基乙醯胺 N,N-dimethylacetamide (DMAC) | 127-19-5 | 204-826-4 | N.D. | 0.005% |
| VI | 67 | 4,4'-亞甲基雙(2-氯苯胺) 2,2'-dichloro-4,4'-methylenedianiline (MOCA) | 101-14-4 | 202-918-9 | N.D. | 0.005% |
| VI | 68 | 酚酞 Phenolphthalein | 77-09-8 | 201-004-7 | N.D. | 0.005% |
| VI | 69 | 疊氮化鉛 Lead diazide* | 13424-46-9 | 236-542-1 | N.D. | 0.01% |
| VI | 70 | 2,4,6-三硝基間苯二酚鉛 (別名：收斂酸鉛) Lead 2,4,6-trinitro-m-phenylene dioxide (Lead styphnate)* | 15245-44-0 | 239-290-0 | N.D. | 0.01% |
| VI | 71 | 苦味酸鉛 Lead dipicrate* | 6477-64-1 | 229-335-2 | N.D. | 0.01% |
| VII | 72 | 1,2-二(2-甲氧基乙氧基)乙烷 1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme) | 112-49-2 | 203-977-3 | N.D. | 0.01% |
| VII | 73 | 乙二醇二甲醚 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) | 110-71-4 | 203-794-9 | N.D. | 0.01% |
| VII | 74 | 三氧化二硼 Diboron trioxide* | 1303-86-2 | 215-125-8 | N.D. | 0.01% |
| VII | 75 | 甲醯胺 Formamide | 75-12-7 | 200-842-0 | N.D. | 0.01% |
| VII | 76 | 甲基磺酸鉛 Lead(II) bis methanesulfonate* | 17570-76-2 | 401-750-5 | N.D. | 0.01% |

檢測報告

Test Report

報告編號 A2180042105138001E
Report No. A2180042105138001E

第 7 頁 共 23 頁
Page 7 of 23

| 批次 Batch | 序號 No. | 物質名稱 Substance Name(s) | CAS 號 CAS No. | EC 號 EC No. | 濃度 Concentration (%) | 報告 檢出限 Report Limit |
|-------------|-----------|---|------------------|----------------|----------------------------|------------------------------|
| VII | 77 | 異氰尿酸三縮水甘油酯 TGIC(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione) | 2451-62-9 | 219-514-3 | N.D. | 0.01% |
| VII | 78 | 異氰尿酸 β-三縮水甘油酯 β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione) | 59653-74-6 | 423-400-0 | N.D. | 0.01% |
| VII | 79 | 4,4'-二(N,N-二甲氨基)二苯甲酮(米氏酮) 4,4'-bis(dimethylamino)benzophenone (Michler's ketone) | 90-94-8 | 202-027-5 | N.D. | 0.01% |
| VII | 80 | 4,4'-(對二甲氨基)二苯基甲烷(米氏碱) N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) | 101-61-1 | 202-959-2 | N.D. | 0.01% |
| VII | 81 | C.I.鹼性紫 3 [4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride(C.I. Basic Violet 3)*** | 548-62-9 | 208-953-6 | N.D. | 0.01% |
| VII | 82 | C.I.鹼性藍 26 [4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride(C.I. Basic Blue 26)*** | 2580-56-5 | 219-943-6 | N.D. | 0.01% |
| VII | 83 | C.I.溶劑藍 4 α,α-Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)*** | 6786-83-0 | 229-851-8 | N.D. | 0.01% |

檢測報告

Test Report

報告編號 A2180042105138001E
Report No. A2180042105138001E

第 8 頁 共 23 頁
Page 8 of 23

| 批次 Batch | 序號 No. | 物質名稱 Substance Name(s) | CAS 號 CAS No. | EC 號 EC No. | 濃度 Concentration (%) | 報告 檢出限 Report Limit |
|-------------|-----------|---|------------------|----------------|----------------------------|------------------------------|
| VII | 84 | α, α -二[(二甲氨基)苯基]-4-甲 氨基苯甲醇 4,4'-bis(dimethylamino)- 4''-(methylamino)trityl alcohol | 561-41-1 | 209-218-2 | N.D. | 0.01% |
| VIII | 85 | 十溴二苯醚 Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE) | 1163-19-5 | 214-604-9 | N.D. | 0.05% |
| VIII | 86 | ^① 4-壬基酚, 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 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] | - | - | N.D. | 0.05% |
| VIII | 87 | 偶氮二甲醯胺 Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) | 123-77-3 | 204-650-8 | N.D. | 0.05% |
| VIII | 88 | 對特辛基苯酚乙氧基醚 4-(1,1,3,3-tetramethylbutyl)phen ol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues] | - | - | N.D. | 0.05% |
| VIII | 89 | 全氟十一烷酸 Henicosafuoroundecanoic acid | 2058-94-8 | 218-165-4 | N.D. | 0.05% |
| VIII | 90 | 全氟十三烷酸 Pentacosafuorotridecanoic acid | 72629-94-8 | 276-745-2 | N.D. | 0.05% |

檢測報告

Test Report

報告編號 A2180042105138001E
Report No. A2180042105138001E

第 9 頁 共 23 頁
Page 9 of 23

| 批次 Batch | 序號 No. | 物質名稱 Substance Name(s) | CAS 號 CAS No. | EC 號 EC No. | 濃度 Concentration (%) | 報告 檢出限 Report Limit |
|-------------|-----------|---|---|---|----------------------------|------------------------------|
| VIII | 91 | 六氫鄰苯二甲酸酐, 順式-六氫鄰苯二甲酸酐, 反式-六氫鄰苯二甲酸酐 Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxy lic anhydride | 85-42-7, 13149-00-3, 14166-21-3 | 201-604-9, 236-086-3, 238-009-9 | N.D. | 0.05% |
| VIII | 92 | 甲基六氫苯酐, 4-甲基六氫苯酐, 1-甲基六氫化鄰苯二甲酸酐, 3-甲基六氫苯二甲酯酐 Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride | 25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9 | 247-094-1, 243-072-0, 256-356-4, 260-566-1 | N.D. | 0.05% |
| VIII | 93 | 全氟十四酸 Heptacosafuorotetradecanoic acid | 376-06-7 | 206-803-4 | N.D. | 0.05% |
| VIII | 94 | 鄰苯二甲酸二異戊酯 Diisopentylphthalate(DIPP) | 605-50-5 | 210-088-4 | N.D. | 0.05% |
| VIII | 95 | ①支鏈和直鏈 1,2-苯二羧二戊酯 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear | 84777-06-0 | 284-032-2 | N.D. | 0.05% |
| VIII | 96 | 鄰苯二甲酸正戊基異戊基酯 N-pentyl-isopentylphthalate | 776297-69-9 | - | N.D. | 0.05% |
| VIII | 97 | 甲氧基乙酸 Methoxyacetic acid | 625-45-6 | 210-894-6 | N.D. | 0.05% |
| VIII | 98 | 全氟十二烷酸 Tricosafuorododecanoic acid | 307-55-1 | 206-203-2 | N.D. | 0.05% |

檢測報告 Test Report

報告編號 A2180042105138001E
Report No. A2180042105138001E

第 10 頁 共 23 頁
Page 10 of 23

| 批次 Batch | 序號 No. | 物質名稱 Substance Name(s) | CAS 號 CAS No. | EC 號 EC No. | 濃度 Concentration (%) | 報告 檢出限 Report Limit |
|-------------|-----------|--|------------------|----------------|-------------------------|---------------------------|
| VIII | 99 | 乙二醇二乙醚 1,2-Diethoxyethane | 629-14-1 | 211-076-1 | N.D. | 0.05% |
| VIII | 100 | 3-乙基-2-甲基-2-(3-甲基丁基) 噁唑烷 3-ethyl-2-methyl-2- (3-methylbutyl)-1, 3-oxazolidine | 143860-04-2 | 421-150-7 | N.D. | 0.05% |
| VIII | 101 | 2,4-二氨基甲苯 4-methyl-m-phenylenediamine (toluene-2,4-diamine) | 95-80-7 | 202-453-1 | N.D. | 0.05% |
| VIII | 102 | N-甲基乙醯胺 N-methylacetamide | 79-16-3 | 201-182-6 | N.D. | 0.05% |
| VIII | 103 | 氧化鉛與硫酸鉛的複合物 Pentalead tetraoxide sulphate* | 12065-90-6 | 235-067-7 | N.D. | 0.01% |
| VIII | 104 | 4-氨基聯苯 Biphenyl-4-ylamine | 92-67-1 | 202-177-1 | N.D. | 0.05% |
| VIII | 105 | 地樂酚 Dinoseb (6-sec-butyl-2,4-dinitrophenol) | 88-85-7 | 201-861-7 | N.D. | 0.05% |
| VIII | 106 | 雙(十八酸基)二氧化三鉛 Dioxobis(stearato)trilead* | 12578-12-0 | 235-702-8 | N.D. | 0.01% |
| VIII | 107 | 硝酸鉛 Lead dinitrate* | 10099-74-8 | 233-245-9 | N.D. | 0.01% |
| VIII | 108 | 三域式硫酸鉛 Tetralead trioxide sulphate* | 12202-17-4 | 235-380-9 | N.D. | 0.01% |
| VIII | 109 | 氧化鉛 Lead monoxide (lead oxide)* | 1317-36-8 | 215-267-0 | N.D. | 0.01% |
| VIII | 110 | 鈦酸鉛 Lead titanium trioxide* | 12060-00-3 | 235-038-9 | N.D. | 0.01% |
| VIII | 111 | 4,4'-二氨基-3,3'-二甲基二苯甲 烷 4,4'-methylenedi-o-toluidine | 838-88-0 | 212-658-8 | N.D. | 0.05% |
| VIII | 112 | 域式乙酸鉛 Acetic acid, lead salt, basic* | 51404-69-4 | 257-175-3 | N.D. | 0.01% |
| VIII | 113 | 硫酸二甲酯 Dimethyl sulphate | 77-78-1 | 201-058-1 | N.D. | 0.05% |
| VIII | 114 | 呋喃 Furan | 110-00-9 | 203-727-3 | N.D. | 0.05% |
| VIII | 115 | 顏料黃 41 Pyrochlore, antimony lead yellow* | 8012-00-8 | 232-382-1 | N.D. | 0.01% |
| VIII | 116 | 四乙基鉛 Tetraethyllead* | 78-00-2 | 201-075-4 | N.D. | 0.01% |

檢測報告

Test Report

報告編號 A2180042105138001E
Report No. A2180042105138001E

第 11 頁 共 23 頁
Page 11 of 23

| 批次 Batch | 序號 No. | 物質名稱 Substance Name(s) | CAS 號 CAS No. | EC 號 EC No. | 濃度 Concentration (%) | 報告 檢出限 Report Limit |
|-------------|-----------|---|------------------|----------------|----------------------------|------------------------------|
| VIII | 117 | 二鹽基鄰苯二甲酸鉛 [Phthalato(2-)]dioxotrilead* | 69011-06-9 | 273-688-5 | N.D. | 0.01% |
| VIII | 118 | 硫酸二乙酯 Diethyl sulphate | 64-67-5 | 200-589-6 | N.D. | 0.05% |
| VIII | 119 | 氨基氰鉛鹽 Lead cyanamidate* | 20837-86-9 | 244-073-9 | N.D. | 0.01% |
| VIII | 120 | 摻雜鉛的矽酸鋇 Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped* | 68784-75-8 | 272-271-5 | N.D. | 0.01% |
| VIII | 121 | 磷酸氧化鉛 Trilead dioxide phosphonate* | 12141-20-7 | 235-252-2 | N.D. | 0.01% |
| VIII | 122 | 鄰甲基苯胺 <i>o</i> -Toluidine | 95-53-4 | 202-429-0 | N.D. | 0.05% |
| VIII | 123 | 鄰氨基偶氮甲苯 <i>o</i> -aminoazotoluene | 97-56-3 | 202-591-2 | N.D. | 0.05% |
| VIII | 124 | 4-對氨基偶氮苯 4-aminoazobenzene | 60-09-3 | 200-453-6 | N.D. | 0.05% |
| VIII | 125 | 6-甲氧基-間甲苯胺 6-methoxy- <i>m</i> -toluidine (<i>p</i> -cresidine) | 120-71-8 | 204-419-1 | N.D. | 0.05% |
| VIII | 126 | 二丁基二氯化錫 Dibutyltin dichloride (DBTC)* | 683-18-1 | 211-670-0 | N.D. | 0.05% |
| VIII | 127 | 鈦酸鉛鋇 Lead titanium zirconium oxide* | 12626-81-2 | 235-727-4 | N.D. | 0.01% |
| VIII | 128 | 環氧丙烷 Methyloxirane (Propylene oxide) | 75-56-9 | 200-879-2 | N.D. | 0.05% |
| VIII | 129 | 1-溴代正丙烷 1-bromopropane (<i>n</i> -propyl bromide) | 106-94-5 | 203-445-0 | N.D. | 0.05% |
| VIII | 130 | 碱式碳酸鉛 Trilead bis(carbonate)dihydroxide* | 1319-46-6 | 215-290-6 | N.D. | 0.01% |
| VIII | 131 | C16-18-脂肪酸鉛鹽 Fatty acids, C16-18, lead salts* | 91031-62-8 | 292-966-7 | N.D. | 0.01% |
| VIII | 132 | 四氧化三鉛 Orange lead (lead tetroxide)* | 1314-41-6 | 215-235-6 | N.D. | 0.01% |
| VIII | 133 | 二碱式亞硫酸鉛(II) Sulfurous acid, lead salt, dibasic* | 62229-08-7 | 263-467-1 | N.D. | 0.01% |

檢測報告

Test Report

 報告編號 A2180042105138001E
 Report No. A2180042105138001E

 第 12 頁 共 23 頁
 Page 12 of 23

| 批次 Batch | 序號 No. | 物質名稱 Substance Name(s) | CAS 號 CAS No. | EC 號 EC No. | 濃度 Concentration (%) | 報告 檢出限 Report Limit |
|-------------|-----------|--|------------------|----------------|-------------------------|---------------------------|
| VIII | 134 | 4,4'-二氨基二苯醚 4,4'-oxydianiline and its salts | 101-80-4 | 202-977-0 | N.D. | 0.05% |
| VIII | 135 | 碱式硫酸鉛 Lead oxide sulfate* | 12036-76-9 | 234-853-7 | N.D. | 0.01% |
| VIII | 136 | 四氟硼酸鉛 Lead bis(tetrafluoroborate)* | 13814-96-5 | 237-486-0 | N.D. | 0.01% |
| VIII | 137 | 矽酸鉛 Silicic acid, lead salt* | 11120-22-2 | 234-363-3 | N.D. | 0.01% |
| VIII | 138 | N,N-二甲基甲醯胺 N,N-dimethylformamide | 68-12-2 | 200-679-5 | N.D. | 0.05% |
| IX | 139 | 鎘 Cadmium | 7440-43-9 | 231-152-8 | N.D. | 0.01% |
| IX | 140 | 氧化鎘 Cadmium oxide* | 1306-19-0 | 215-146-2 | N.D. | 0.01% |
| IX | 141 | 鄰苯二甲酸二戊酯 Dipentyl phthalate (DPP) | 131-18-0 | 205-017-9 | N.D. | 0.01% |
| IX | 142 | ①乙氧基化的支鏈和直鏈的 4-壬基酚（直鏈和/或支鏈的具有 9 個碳原子的烷基鏈共價鍵合在 4 位的乙氧基酚，囊括了 UVCB 和定義明確的物質，聚合物及同系物，其中包括任何單獨的異構體和/或它們的組合）4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof] | - | - | N.D. | 0.05% |
| IX | 143 | 全氟辛酸銨 Ammonium pentadecafluorooctanoate (APFO) | 3825-26-1 | 223-320-4 | N.D. | 0.01% |
| IX | 144 | 全氟辛酸 Pentadecafluorooctanoic acid (PFOA) | 335-67-1 | 206-397-9 | N.D. | 0.01% |
| X | 145 | ①磷酸三(二甲苯)酯 Trixylyl phosphate | 25155-23-1 | 246-677-8 | N.D. | 0.01% |

檢測報告

Test Report

報告編號 A2180042105138001E
Report No. A2180042105138001E

第 13 頁 共 23 頁
Page 13 of 23

| 批次 Batch | 序號 No. | 物質名稱 Substance Name(s) | CAS 號 CAS No. | EC 號 EC No. | 濃度 Concentration (%) | 報告 檢出限 Report Limit |
|-------------|-----------|--|------------------|-------------------------|----------------------------|------------------------------|
| X | 146 | C.I.直接黑 38 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)*** | 1937-37-7 | 217-710-3 | N.D. | 0.01% |
| X | 147 | 鄰苯二甲酸二己酯 Dihexyl phthalate | 84-75-3 | 201-559-5 | N.D. | 0.01% |
| X | 148 | 硫化鎘 Cadmium sulphide* | 1306-23-6 | 215-147-8 | N.D. | 0.01% |
| X | 149 | C.I.直接紅 28 Disodium 3,3'-[[1,1'-biphenyl]- 4,4'-diylbis(azo)]bis(4- aminonaphthalene- 1-sulphonate) (C.I. Direct Red 28)*** | 573-58-0 | 209-358-4 | N.D. | 0.01% |
| X | 150 | 醋酸鉛 (II) Lead di(acetate)* | 301-04-2 | 206-104-4 | N.D. | 0.01% |
| X | 151 | 1,2-亞乙基硫脲 Imidazolidine-2-thione; 2-imidazoline-2-thiol | 96-45-7 | 202-506-9 | N.D. | 0.01% |
| XI | 152 | ^① 鄰苯二甲酸二己酯, 直鏈和支 鏈 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear | 68515-50-4 | 271-093-5 | N.D. | 0.01% |
| XI | 153 | 氯化鎘 Cadmium chloride * | 10108-64-2 | 233-296-7 | N.D. | 0.01% |
| XI | 154 | ^② 過硼酸鈉, 水合物; 過硼酸鈉鹽 Sodium perborate; perboric acid, sodium salt ***** | - | 239-172-9, 234-390-0 | N.D. | 0.01% |
| XI | 155 | ^② 過硼酸鈉, 無水 Sodium peroxometaborate ***** | 7632-04-4 | 231-556-4 | N.D. | 0.01% |
| XII | 156 | 2-(2H-苯並三唑-2-基)-4,6-二叔 戊基苯酚 2-(2H-Benzotriazol-2-yl)- 4,6-ditertpentylphenol (UV-328) | 25973-55-1 | 247-384-8 | N.D. | 0.01% |

檢測報告

Test Report

報告編號 A2180042105138001E
Report No. A2180042105138001E

第 14 頁 共 23 頁
Page 14 of 23

| 批次 Batch | 序號 No. | 物質名稱 Substance Name(s) | CAS 號 CAS No. | EC 號 EC No. | 濃度 Concentration (%) | 報告 檢出限 Report Limit |
|-------------|-----------|--|---------------------------|-------------------------|----------------------------|------------------------------|
| XII | 157 | 2-(2'-羥基-3',5'-二叔丁基苯基)- 苯並三唑 2-Benzotriazol-2-yl-4,6- di-tert-butylphenol (UV-320) | 3846-71-7 | 223-346-6 | N.D. | 0.01% |
| XII | 158 | 二正辛基-雙(巯乙酸2-乙基己 酯)錫 2-ethylhexyl 10-ethyl-4,4-dioctyl-7- oxo-8-oxa-3,5-dithia-4- stannatetradecanoate (DOTE)* | 15571-58-1 | 239-622-4 | N.D. | 0.05% |
| XII | 159 | 氟化鎘 Cadmium fluoride* | 7790-79-6 | 232-222-0 | N.D. | 0.01% |
| XII | 160 | 硫酸鎘 Cadmium sulphate* | 10124-36-4; 31119-53-6 | 233-331-6 | N.D. | 0.01% |
| XII | 161 | ①二正辛基-雙(巯乙酸2-乙基己 酯)錫(DOTE)和三(2-乙基己基 巯基乙酸)辛錫(MOTE)的反應 物料 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)* | - | - | N.D. | 0.05% |
| XIII | 162 | ①1,2-苯二羧酸, 二-C6-10-烷基 酯: (癸基, 己基, 辛基) 酯 與1,2-苯二甲酸的複合物, 其鄰 苯二甲酸二己酯含量≥0.3% (EC No. 201-559-5) 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) | 68515-51-5, 68648-93-1 | 271-094-0, 272-013-1 | N.D. | 0.05% |

檢測報告

Test Report

報告編號 A2180042105138001E
Report No. A2180042105138001E

第 15 頁 共 23 頁
Page 15 of 23

| 批次 Batch | 序號 No. | 物質名稱 Substance Name(s) | CAS 號 CAS No. | EC 號 EC No. | 濃度 Concentration (%) | 報告 檢出限 Report Limit |
|-------------|-----------|--|-------------------------------------|----------------|----------------------------|------------------------------|
| XIII | 163 | ①5-仲丁基-2-(2,4-二甲基環己-3-烯-1-基)-5-甲基-1,3-二惡烷 [1]，5-二級丁基-2-(4,6-二甲基環己-3-烯-1-基)-5-甲基-1,3-二惡烷[2] [任何[1]和[2]或者其任意組合的單獨異構體或其任何組合]（卡拉花醛及其異構體以及它們的混合物） 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] | - | - | N.D. | 0.05% |
| XIV | 164 | 硝基苯 Nitrobenzene | 98-95-3 | 202-716-0 | N.D. | 0.01% |
| XIV | 165 | 2,4-二-叔丁基-6-(5-氯-2H-苯並三唑-2-基)苯酚 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) | 3864-99-1 | 223-383-8 | N.D. | 0.01% |
| XIV | 166 | 2-(2'-羥基-3'-異丁基-5'-叔丁基苯基)苯並三唑 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) | 36437-37-3 | 253-037-1 | N.D. | 0.01% |
| XIV | 167 | 1,3-丙烷磺內酯 1,3-propanesultone | 1120-71-4 | 214-317-9 | N.D. | 0.01% |
| XIV | 168 | 全氟壬酸及其鈉和銨鹽 Perfluorononan-1-oic-acid and its sodium and ammonium salts | 375-95-1 21049-39-8 4149-60-4 | 206-801-3 | N.D. | 0.01% |
| XV | 169 | 苯並(a)芘 Benzo[def]chrysene (Benzo[a]pyrene) | 50-32-8 | 200-028-5 | N.D. | 0.01% |

檢測報告

Test Report

報告編號 A2180042105138001E
Report No. A2180042105138001E

第 16 頁 共 23 頁
Page 16 of 23

| 批次 Batch | 序號 No. | 物質名稱 Substance Name(s) | CAS 號 CAS No. | EC 號 EC No. | 濃度 Concentration (%) | 報告 檢出限 Report Limit |
|-------------|-----------|---|--|------------------------------|----------------------------|------------------------------|
| XVI | 170 | 雙酚 A (BPA) 4,4'-isopropylidenediphenol (bisphenol A; BPA) | 80-05-7 | 201-245-8 | N.D. | 0.01% |
| XVI | 171 | 全氟癸酸(PFDA)及其鈉鹽和 銨鹽 Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts | 3108-42-7 335-76-2 3830-45-3 | 221-470-5 206-400-3 -- | N.D. | 0.01% |
| XVI | 172 | 4-(1,1-二甲基丙基)苯酚 (別名：對叔戊基苯酚) <i>p</i> -(1,1-dimethylpropyl)phenol | 80-46-6 | 201-280-9 | N.D. | 0.01% |
| XVI | 173 | ①支鏈與直鏈的 4-庚基酚(直鏈 和/或支鏈的具有 7 個碳原子的 烷基鏈共價鍵在 4 位的苯酚， 囊括了 UVCB 和定義明確的物 質，其中包括任何單獨異構體 和/或它們的組合) 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] | -- | -- | N.D. | 0.05% |
| XVII | 174 | 全氟己基磺酸及其鹽 Perfluorohexane-1-sulphonic acid and its salts | 355-46-4 | 206-587-1 | N.D. | 0.0005% |
| XVIII | 175 | 得克隆(包括其所有反式和順式 異構體及其組合) Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof) | 13560-89-9; 135821-74-8; 135821-03-3 | 236-948-9 - - | N.D. | 0.01% |

檢測報告

Test Report

報告編號 A2180042105138001E
Report No. A2180042105138001E

第 17 頁 共 23 頁
Page 17 of 23

| 批次 Batch | 序號 No. | 物質名稱 Substance Name(s) | CAS 號 CAS No. | EC 號 EC No. | 濃度 Concentration (%) | 報告 檢出限 Report Limit |
|-------------|-----------|--|------------------|----------------|----------------------------|------------------------------|
| XVIII | 176 | 苯並[a]蒽Benzo[a]anthracene | 56-55-3 | 200-280-6 | N.D. | 0.01% |
| XVIII | 177 | 硝酸鎘Cadmium nitrate* | 10325-94-7 | 233-710-6 | N.D. | 0.01% |
| XVIII | 178 | 碳酸鎘Cadmium carbonate* | 513-78-0 | 208-168-9 | N.D. | 0.01% |
| XVIII | 179 | 氫氧化鎘Cadmium hydroxide* | 21041-95-2 | 244-168-5 | N.D. | 0.01% |
| XVIII | 180 | 屈Chrysene | 218-01-9 | 205-923-4 | N.D. | 0.01% |
| XVIII | 181 | ③1,3,4-噻二唑烷-2,5-二硫酮, 甲 醛和4-庚基苯酚的支鏈和直鏈 (RP-HP)的反應產物[4-庚基苯 酚, 支鏈和直鏈含量 $\geq 0.1\%$ w/w] Reaction products of 1,3,4-thiadiazolidine-2,5- dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)[with $\geq 0.1\%$ w/w 4-heptylphenol, branched and linear (4-HPbl)] | - | - | N.D. | 0.05% |

檢測依據 Test Method:

參考 US EPA 3052:1996, US EPA 3050B:1996, US EPA 3060A:1996, US EPA 3550C:2007, US EPA 3540C:1996, ISO 17353:2004(E), EN 14582:2016 進行樣品預處理。

Refer to US EPA3052:1996, US EPA 3050B:1996, US EPA3060A:1996, US EPA 3550C:2007, US EPA 3540C:1996, ISO 17353:2004(E), EN 14582:2016 for sample pretreatment.

採用 ICP-OES, UV-Vis, IC, HPLC, GC-MS, GC-MS(NCI), Headspace-GCMS 及 LC-MS-MS 分析。

Analyzed by ICP-OES, UV-Vis, IC, HPLC, GC-MS, GC-MS(NCI), Headspace-GCMS and LC-MS-MS.

測試樣品/部位描述

混測, 金屬, 非金屬

Tested Sample/Part Description

Mixed test, metal, non-metal

檢測報告 Test Report

報告編號 A2180042105138001E
Report No. A2180042105138001E

第 18 頁 共 23 頁
Page 18 of 23

注釋 Note:

1. w/w % = 重量百分比 weight by weight; 0.1% = 1000mg/kg = 1000ppm
2. N.D. = 未檢出 Not Detected (小於報告檢出限<report limit)
3. *: 該物質的濃度值是由物質中的特徵元素測試結果換算而來。Concentration value of the substance by the conversion from the test results of certain elements.
三丁基氧化錫(TBTO)、二丁基二氯化錫(DBTC)、二正辛基-雙(巰乙酸 2-乙基己酯)錫(DOTE)、二正辛基-雙(巰乙酸 2-乙基己酯)錫(DOTE) 和三(2-乙基己基巰基乙酸)辛錫(MOTE)的反應物料的濃度值是由其特定化合物(三丁基錫(TBT)、二丁基錫(DBT)、二辛基錫(DOT)、單辛基錫(MOT))的結果換算而來。
Concentration value of Bis(tributyltin)oxide(TBTO), Dibutyltin dichloride (DBTC), 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE), 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) by the conversion from the test results of certain compounds(Tributyl Tins(TBT), Dibutyl Tins(DBT), Dioctyl Tins(DOT), Monoctyl Tins(MOT)).
4. **: 在化學物質及其混合物的分類，標記與包裝法規，即 CLP 法規(法規(EC)No 1272/2008)的附錄 VI 中，索引號 650-017-00-8 適用於所有的耐火陶瓷纖維材料。All refractory ceramic fibres are covered by index number 650-017-00-8 in Annex VI of the Regulation on Classification, Labeling and Packaging of chemical substances and mixtures, the so called CLP Regulation(Regulation (EC) No 1272/2008).
5. ***: C.I.:顏料索引號 Colour Index
6. ****: 蒸餾所分離出來的輕油部分 Light fractions from distillation
7. *****: 四硼酸鈉，無水和四硼酸鈉，水合物的濃度均由四硼酸鈉濃度表示，沒有考慮結晶水。過硼酸鈉，水合物；過硼酸鈉鹽和過硼酸鈉，無水的濃度均由過硼酸鈉濃度表示，沒有考慮結晶水。
Concentration value of Disodium tetraborate, anhydrous and Tetraboron disodium heptaoxide, hydrate is evaluated by Disodium tetraborate, with no consider of the hydrate. Concentration value of Sodium perborate; perboric acid, sodium salt; Sodium peroxometaborate is evaluated by Sodium perborate, with no consider of the hydrate.
8. ▲: 甲醛苯胺共聚物的濃度值是由其特定化合物(2,4-二氨基二苯甲烷、4,4'-二氨基二苯基甲烷、2,6-二氨基二苯基甲烷)的結果換算而來。Concentration value of Formaldehyde, oligomeric reaction products with aniline (technical MDA) by the conversion from the test results of certain compounds (2,4-Diaminodiphenylmethane, 4,4'- Diaminodiphenylmethane, 2,6-Diaminodiphenylmethane).
9. ①: 由於這些物質是 UVCB 物質(未知成分或可變成分的，複雜反應物或生物材料的物質)，由各種不同的成分組成，所以這些物質的測試結果是由選定的具有代表性的物質的主要組成成分的測試結果換算而來的。In view of the substances are established as UVCB substances(substances of unknown or variable composition, complex reaction products or biological materials) consisting of different and variable constituents, the test results are calculated based on the main constituents of the representative compounds for substances.

檢測報告 Test Report

報告編號 A2180042105138001E
Report No. A2180042105138001E

第 19 頁 共 23 頁
Page 19 of 23

10. ^②:由於此物質含有多種物質，測試結果是基於此物質中最具有代表性的主要組成化合物的含量，其主要組成化合物的測試結果是基於特徵元素的濃度換算而來。In view of the substance contain variable substances, the test results are calculated based on main constituents of the representative compounds for the substances, and the test results of the representative compounds are calculated based on the result of specified heavy metal elements.
11. ^③: 該物質是 UVCB 物質(未知成分或可變成分的，複雜反應物或生物材料的物質)，由各種不同的成分組成，其測試結果以 4-庚基苯酚，支鏈和直鏈測試結果體現，當 4-庚基苯酚，支鏈和直鏈含量 $\geq 0.1\%$ w/w 時，對於該物質是否存在於樣品中需核查相應物料的 MSDS 或向供應商進行確認。
The substance is established as UVCB substance (substances of unknown or variable composition, complex reaction products or biological materials) consisting of different and variable constituents, the test result is calculated based on 4-heptylphenol, branched and linear. When the content of 4-heptylphenol, branched and linear is equal to or higher than 0.1% (w/w), the presence of the substance in the sample need to be further confirmed by checking MSDS or requesting from suppliers.
12. 根據客戶要求，對樣品進行混合測試，測試結果不代表混合測試樣品中任何一種單一材質的含量。
As specified by client, the test was conducted by mixing several samples together. The result(s) shown on this report may be different from the content of any homogeneous material.

檢測報告 Test Report

報告編號 A2180042105138001E
Report No. A2180042105138001E

第 20 頁 共 23 頁
Page 20 of 23

附加信息 Appendix:

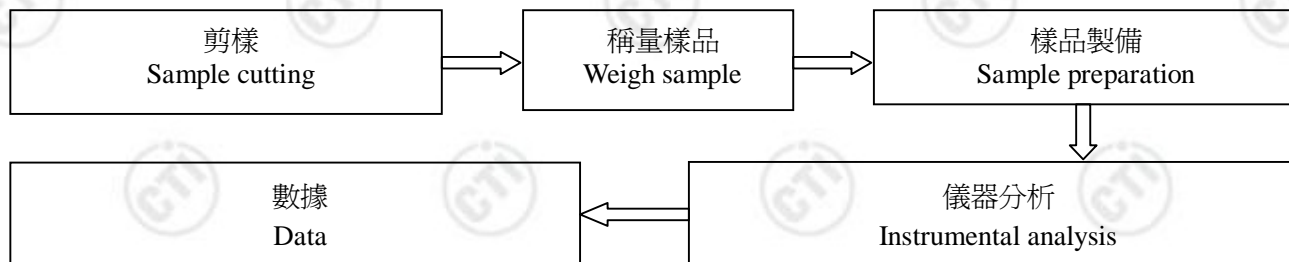
1. 根據歐盟 REACH 法規（編號 1907/2006）第 33 條款之規定，物品類產品如果含有候選清單上的高度關注物質且在物品中的質量百分比超過 0.1% 時，物品供應方需履行相關信息傳遞義務：
Any supplier of an article containing a substance that is included in the Candidate List in a concentration above 0.1 % weight by weight (w/w) has the duty to communicate information in accordance with Article 33 of European Union regulation concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).
 - 1) 物品供應方應提供給接收方關於產品的足夠信息以確保物品的安全使用，至少需提供所含高度關注物質的名稱。Any supplier shall provide the recipient of the article with sufficient information to allow safe use of the article including, as a minimum, the name of that substance.
 - 2) 應消費者請求，物品供應方應在 45 天內免費提供關於產品的足夠信息以確保物品的安全使用，至少需提供所含高度關注物質的名稱。On request by a consumer any supplier shall provide the consumer with sufficient information to allow safe use of the article including, as a minimum, the name of that substance within 45 days of receipt of the request, free of charge.
2. 根據歐盟 REACH 法規（編號 1907/2006）第 31 條款及附件 2 之規定，提供高度關注物質的物質類產品供應方，應免費提供接收方該物質的安全數據表。The supplier of a substance that is included in the Candidate List on their own shall provide the recipient of the substance with a safety data sheet for free compiled in accordance with Article 3 and Annex II of REACH.
3. 根據歐盟 REACH 法規（編號 1907/2006）第 31、32 條款及附件 2 之規定，提供含有高度關注物質的混合物產品供應方需傳遞相關信息：
The supplier of a mixture that containing a substance that is included in the Candidate List shall exchange information in accordance with Article 31, Article 32, and Annex II of REACH.
 - 1) 如果混合物產品按照 1999/45/EC 被判定為危險品時，供應方應免費提供產品的安全數據表。Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation meets the criteria for classification as dangerous in accordance with Directives 1999/45/EC.
 - 2) 如果混合物產品按照 1999/45/EC 判定並非危險品，但是任一高度關注物質在非氣體混合物中質量分數超過 0.1% 或在氣體混合物中體積分數超過 0.2%，供應方也應免費提供產品的安全數據表。Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation does not meet the criteria for classification as dangerous in accordance with Directive 1999/45/EC, but contains any substance that is included in the Candidate List in an individual concentration of $\geq 0.1\%$ by weight for non-gaseous mixtures or $\geq 0.2\%$ by volume for gaseous mixtures.

檢測報告 Test Report

報告編號 A2180042105138001E
Report No. A2180042105138001E

第 21 頁 共 23 頁
Page 21 of 23

檢測流程 Test Process



檢測報告 Test Report

報告編號 A2180042105138001E
Report No. A2180042105138001E

第 22 頁 共 23 頁
Page 22 of 23

客戶參考信息 Client Reference Information

| | | | | |
|--------------|----------------|----------------|--------------|------------|
| FCCR-11041 | FCCR-11056 | FCCR-12000 | FCCR-12001 | FCCR-16000 |
| FCCR-16001 | FCCR-20002 | FCCR-20003 | FCCR-20005 | FCCR-20010 |
| FCCR-20012 | FCCR-20018 | FCCR-24002 | FCCR-24003 | FCCR-24010 |
| FCCR-24011 | FCCR-24012 | FCCR-24013 | FCCR-24015 | FCCR-24023 |
| FBC-52025 | FBC-52003 | FBC-82000 | FBC-89000 | FBC-92001 |
| F-01-A1AK001 | F-02-A1AK001 | F-03-A1AJ001 | F-03-A1AJ002 | |
| F-03-A1AJ005 | F-04-A1AK001 | F-04-A1AK002 | F-05-A1BJ001 | |
| F-05-A1AK002 | F-05-A1AK003 | F-05-A1AK004 | F-06-B4AK001 | |
| F-06-B4AA002 | F-06-A4AK003 | F-06-A4AK004 | F-06-B4AK005 | |
| F-06-B4AA015 | F-07-A1AK001 | F-08-A1AK023 | F-08-B2AA001 | |
| F-08-B2AA002 | F-08-B2BA004 | F-08-B2AA005 | F-08-B2AA008 | |
| F-08-B2AA016 | F-08-B2AA025 | F-09-A2BA002 | F-09-B2BA001 | |
| F-10-B3AA010 | F-12-A1AM002-F | F-12-A1AM002-Z | F-12-B2AA002 | |
| F-12-B3AA003 | F-12-B3AA008 | F-12-B4AA002 | F-16-A1AM002 | |
| F-16-B4AK003 | F-23-A1AK001 | F-24-A1AJ009 | F-24-A1AJ008 | |
| F-24-A1AJ004 | F-24-A1AJ005 | F-24-B4AA006 | F-24-B1BK007 | |
| F-24-A1AJ001 | F-24-A1BK002 | F-2016-B2AA001 | FCCH-20012 | |

檢測報告 Test Report

報告編號 A2180042105138001E
Report No. A2180042105138001E

第 23 頁 共 23 頁
Page 23 of 23

樣品圖片

Photo(s) of the sample(s)



測試部位
*** 報告結束 ***
*** End of Report ***

聲明 Statement :

1. 檢測報告無批准人簽字、“專用章”及報告騎縫章無效；
This report is considered invalidated without approval signature, special seal and the seal on the perforation;
2. 樣品及樣品信息由申請者提供，申請者應對其真實性負責，CTI 未核實其真實性；
The sample(s) and sample information was/were provided by the client who should be responsible for the authenticity which CTI hasn't verified;
3. 本報告檢測結果僅對送測樣品負責；
The result(s) shown in this report refer(s) only to the sample(s) tested;
4. 未經 CTI 書面同意，不得部分複製本報告；
Without written approval of CTI, this report can't be reproduced except in full;
5. 如檢測報告中的英文內容與中文內容有差異，以中文為準。
In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.