

## Test Report

Client : Flashbay Electronics Huizhou  
Building2, Ji xun Industrial Park, Xin jiao, Dong'ao Village, Shatian  
Town, Huiyang District, Huizhou City, Guangdong  
Province,P.R.China

Product Name : Pen Series

Model No. : Edit (EDI)

Reference Information <sup>Δ</sup> : Refer to Annex

The information and sample(s) above were submitted and identified by or on behalf of the client.

Sample Received : 2026-04-10

Testing Period : 2026-04-10 to 2026-04-23

**Test Requested**

As requested by applicant, SVHC assessment is performed according to:

- Two hundred and fifty-three (253) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before February 2026 regarding Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

**Summary:**

According to the specified scope and analytical techniques, the concentration of tested SVHCs are <0.1(w/w) in the submitted sample.

Signed for and on behalf of

**DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou branch**



Devin Ai  
Approver

Report No. 4955415.50 Version 1

Issued Date: 2026-04-24

### Picture of Sample Tested



## Specimen Description

| No.  | Specimen Description             |
|------|----------------------------------|
| (1)  | White plastic                    |
| (2)  | White plastic with black coating |
| (3)  | Black plastic                    |
| (4)  | Black plastic                    |
| (5)  | White plastic                    |
| (6)  | Silver metal                     |
| (7)  | Silver metal                     |
| (8)  | Silver metal                     |
| (9)  | Silver metal                     |
| (10) | Silver metal                     |
| (11) | Silver metal                     |
| (12) | White plastic                    |
| (13) | Transparency glue                |
| (14) | Blue pigment                     |
| (15) | White transparency plastic       |
| (16) | Silver metal                     |
| (17) | Black coating                    |

|                    |                          |
|--------------------|--------------------------|
| Group description: |                          |
| Group1             | 1+2+3+4+5+12+13+14+15+17 |
| Group2             | 6+7+8+9+10+11+16         |

Note: According to client's specification, each part is same quantity sampling and perform testing.

**Test Specimen photo:**


## TEST RESULTS

### (I) SVHC testing results:

By Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES), liquid chromatograph coupled with Inductively Coupled Plasma-Mass Spectrometry (LC-ICP-MS), Gas Chromatography Mass Spectrometer (GC-MS), UV-Visible Spectrophotometric, High Performance Liquid Chromatography and Liquid chromatography tandem mass spectrometry (LC/MS/MS), X-ray fluorescence spectrometry (XRF) analysis.

| Chemical Substance            | Result [% by Weight] |        |
|-------------------------------|----------------------|--------|
|                               | Tested Group(s)      |        |
|                               | Group1               | Group2 |
| Tested SVHCs in Chemical list | N.D.                 | N.D.   |

Remark:

- SVHC = Substance of very high concern
- N.D. = Not detected (less than reporting limit)

### (II) Tested SVHC Chemical list:

| No.  | Substance                                                                                                                    | CAS No.                                                                  | Report Limit [%] |
|------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|------------------|
| (1)  | Anthracene                                                                                                                   | 120-12-7                                                                 | 0.005            |
| (2)  | 4,4'- Diaminodiphenylmethane                                                                                                 | 101-77-9                                                                 | 0.005            |
| (3)  | Dibutyl phthalate (DBP)                                                                                                      | 84-74-2                                                                  | 0.005            |
| (4)  | Cobalt dichloride $\Delta$                                                                                                   | 7646-79-9                                                                | 0.005            |
| (5)  | Diarsenic pentaoxide $\Delta$                                                                                                | 1303-28-2                                                                | 0.005            |
| (6)  | Diarsenic trioxide $\Delta$                                                                                                  | 1327-53-3                                                                | 0.005            |
| (7)  | Sodium dichromate $\Delta$                                                                                                   | 7789-12-0<br>10588-01-9                                                  | 0.005            |
| (8)  | 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)                                                                           | 81-15-2                                                                  | 0.005            |
| (9)  | Bis (2-ethyl(hexyl)phthalate) (DEHP)                                                                                         | 117-81-7                                                                 | 0.005            |
| (10) | Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified ( $\alpha$ -HBCDD, $\beta$ -HBCDD, $\gamma$ -HBCDD) | 25637-99-4<br>3194-55-6<br>(134237-51-7,<br>134237-50-6,<br>134237-52-8) | 0.005            |
| (11) | Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)                                                                  | 85535-84-8                                                               | 0.005            |
| (12) | Bis(tributyltin)oxide (TBTO) $\Delta$                                                                                        | 56-35-9                                                                  | 0.005            |
| (13) | Lead hydrogen arsenate $\Delta$                                                                                              | 7784-40-9                                                                | 0.005            |
| (14) | Benzyl butyl phthalate (BBP)                                                                                                 | 85-68-7                                                                  | 0.005            |
| (15) | Triethyl arsenate $\Delta$                                                                                                   | 15606-95-8                                                               | 0.005            |
| (16) | Anthracene oil                                                                                                               | 90640-80-5                                                               | 0.05             |
| (17) | Anthracene oil, anthracene paste, distrn. lights                                                                             | 91995-17-4                                                               | 0.05             |

| No.  | Substance                                                                                                                                                 | CAS No.                              | Report Limit [%] |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------|
| (18) | Anthracene oil, anthracene paste, anthracene fraction                                                                                                     | 91995-15-2                           | 0.05             |
| (19) | Anthracene oil, anthracene-low                                                                                                                            | 90640-82-7                           | 0.05             |
| (20) | Anthracene oil, anthracene paste                                                                                                                          | 90640-81-6                           | 0.05             |
| (21) | Pitch, coal tar, high temp.                                                                                                                               | 65996-93-2                           | 0.05             |
| (22) | Aluminosilicate Refractory Ceramic Fibres Δ                                                                                                               | 650-017-00-8                         | 0.005            |
| (23) | Zirconia Aluminosilicate, Refractory Ceramic Fibres Δ                                                                                                     | 650-017-00-8                         | 0.005            |
| (24) | 2,4-Dinitrotoluene                                                                                                                                        | 121-14-2                             | 0.01             |
| (25) | Diisobutyl phthalate                                                                                                                                      | 84-69-5                              | 0.01             |
| (26) | Lead chromate Δ                                                                                                                                           | 7758-97-6                            | 0.01             |
| (27) | Lead chromate molybdate sulphate red (C.I. Pigment Red 104) Δ                                                                                             | 12656-85-8                           | 0.005            |
| (28) | Lead sulfochromate yellow (C.I. Pigment Yellow 34) Δ                                                                                                      | 1344-37-2                            | 0.01             |
| (29) | Tris(2-chloroethyl)phosphate(TCEP)                                                                                                                        | 115-96-8                             | 0.01             |
| (30) | Acrylamide                                                                                                                                                | 79-06-1                              | 0.01             |
| (31) | Trichloroethylene                                                                                                                                         | 79-01-6                              | 0.01             |
| (32) | Boric Acid Δ                                                                                                                                              | 10043-35-3<br>11113-50-1             | 0.01             |
| (33) | Disodium tetraborate, anhydrous Δ                                                                                                                         | 1303-96-4<br>1330-43-4<br>12179-04-3 | 0.01             |
| (34) | Tetraboron disodium heptaoxide, hydrate Δ                                                                                                                 | 12267-73-1                           | 0.01             |
| (35) | Sodium chromate Δ                                                                                                                                         | 7775-11-3                            | 0.01             |
| (36) | Potassium chromate Δ                                                                                                                                      | 7789-00-6                            | 0.01             |
| (37) | Ammonium dichromate Δ                                                                                                                                     | 7789-09-5                            | 0.01             |
| (38) | Potassium dichromate Δ                                                                                                                                    | 7778-50-9                            | 0.01             |
| (39) | Cobalt(II) sulphate Δ                                                                                                                                     | 10124-43-3                           | 0.01             |
| (40) | Cobalt(II) dinitrate Δ                                                                                                                                    | 10141-05-6                           | 0.01             |
| (41) | Cobalt(II) carbonate Δ                                                                                                                                    | 513-79-1                             | 0.01             |
| (42) | Cobalt(II) diacetate Δ                                                                                                                                    | 71-48-7                              | 0.01             |
| (43) | 2-Methoxyethanol                                                                                                                                          | 109-86-4                             | 0.01             |
| (44) | 2-Ethoxyethanol                                                                                                                                           | 110-80-5                             | 0.01             |
| (45) | Chromium trioxide Δ                                                                                                                                       | 1333-82-0                            | 0.01             |
| (46) | Acids generated from chromium trioxide and their oligomers:<br>a.Chromic acid Δ<br>b.Dichromic acid Δ<br>c.Oligomers of chromic acid and dichromic acid Δ | 7738-94-5<br>13530-68-2              | 0.01             |
| (47) | 2-Ethoxyethyl acetate (2-EEA)                                                                                                                             | 111-15-9                             | 0.01             |
| (48) | Strontium chromate Δ                                                                                                                                      | 7789-06-2                            | 0.01             |
| (49) | 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)                                                                           | 68515-42-4                           | 0.01             |
| (50) | Hydrazine                                                                                                                                                 | 7803-57-8,<br>302-01-2               | 0.01             |



| No.  | Substance                                                                                                                                                                                                                                 | CAS No.    | Report Limit [%] |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------|
| (51) | 1-Methyl-2-pyrrolidone                                                                                                                                                                                                                    | 872-50-4   | 0.01             |
| (52) | 1,2,3-Trichloropropane                                                                                                                                                                                                                    | 96-18-4    | 0.01             |
| (53) | 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)                                                                                                                                                               | 71888-89-6 | 0.01             |
| (54) | 1,2-Dichloroethane                                                                                                                                                                                                                        | 107-06-2   | 0.01             |
| (55) | 2,2'-Dichloro-4,4'-methylenedianiline (MOCA)                                                                                                                                                                                              | 101-14-4   | 0.01             |
| (56) | 2-Methoxyaniline, o-Anisidine                                                                                                                                                                                                             | 90-04-0    | 0.01             |
| (57) | 4-(1,1,3,3-Tetramethylbutyl)phenol, (4-tert-Octylphenol)                                                                                                                                                                                  | 140-66-9   | 0.01             |
| (58) | Arsenic acid $\Delta$                                                                                                                                                                                                                     | 7778-39-4  | 0.01             |
| (59) | Bis(2-methoxyethyl) ether                                                                                                                                                                                                                 | 111-96-6   | 0.01             |
| (60) | Bis(2-methoxyethyl) phthalate                                                                                                                                                                                                             | 117-82-8   | 0.01             |
| (61) | Calcium arsenate $\Delta$                                                                                                                                                                                                                 | 7778-44-1  | 0.01             |
| (62) | Dichromium tris(chromate) $\Delta$                                                                                                                                                                                                        | 24613-89-6 | 0.01             |
| (63) | Formaldehyde, oligomeric reaction products with aniline (technical MDA)                                                                                                                                                                   | 25214-70-4 | 0.01             |
| (64) | Lead diazide $\Delta$                                                                                                                                                                                                                     | 13424-46-9 | 0.01             |
| (65) | Lead dipicrate $\Delta$                                                                                                                                                                                                                   | 6477-64-1  | 0.01             |
| (66) | Lead styphnate $\Delta$                                                                                                                                                                                                                   | 15245-44-0 | 0.01             |
| (67) | N,N-dimethylacetamide (DMAC)                                                                                                                                                                                                              | 127-19-5   | 0.05             |
| (68) | Pentazinc chromate octahydroxide $\Delta$                                                                                                                                                                                                 | 49663-84-5 | 0.05             |
| (69) | Phenolphthalein                                                                                                                                                                                                                           | 77-09-8    | 0.01             |
| (70) | Potassium hydroxyoctaoxodizincatedichromate $\Delta$                                                                                                                                                                                      | 11103-86-9 | 0.01             |
| (71) | Trilead diarsenate $\Delta$                                                                                                                                                                                                               | 3687-31-8  | 0.01             |
| (72) | 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)                                                                                                                                                                                         | 112-49-2   | 0.01             |
| (73) | 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)                                                                                                                                                                               | 110-71-4   | 0.01             |
| (74) | Diboron trioxide $\Delta$                                                                                                                                                                                                                 | 1303-86-2  | 0.01             |
| (75) | Formamide                                                                                                                                                                                                                                 | 75-12-7    | 0.01             |
| (76) | Lead(II) bis(methanesulfonate) $\Delta$                                                                                                                                                                                                   | 17570-76-2 | 0.05             |
| (77) | 1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (TGIC)                                                                                                                                                                  | 2451-62-9  | 0.01             |
| (78) | 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione ( $\beta$ -TGIC)                                                                                                                                           | 59653-74-6 | 0.01             |
| (79) | 4,4'-bis(dimethylamino)benzophenone (Michler's ketone)                                                                                                                                                                                    | 90-94-8    | 0.01             |
| (80) | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)                                                                                                                                                                            | 101-61-1   | 0.01             |
| (81) | [4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] | 2580-56-5  | 0.01             |
| (82) | [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]                  | 548-62-9   | 0.01             |

| No.   | Substance                                                                                                                                                                                                                                                                          | CAS No.                                                 | Report Limit [%] |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|------------------|
| (83)  | 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]                                                                                                                            | 561-41-1                                                | 0.01             |
| (84)  | $\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]                                                                          | 6786-83-0                                               | 0.01             |
| (85)  | Bis(pentabromophenyl) ether (DecaBDE)                                                                                                                                                                                                                                              | 1163-19-5                                               | 0.01             |
| (86)  | N,N-dimethylformamide; dimethyl formamide                                                                                                                                                                                                                                          | 68-12-2                                                 | 0.01             |
| (87)  | Methoxy acetic acid                                                                                                                                                                                                                                                                | 625-45-6                                                | 0.01             |
| (88)  | Dibutyltin dichloride (DBT) $\Delta$                                                                                                                                                                                                                                               | 683-18-1                                                | 0.01             |
| (89)  | 1,2-Diethoxyethane                                                                                                                                                                                                                                                                 | 629-14-1                                                | 0.01             |
| (90)  | Hexahydro-2-benzofuran-1,3-dione (HHPA), cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride                                                                                                                                                  | 85-42-7,<br>13149-00-3,<br>14166-21-3                   | 0.01             |
| (91)  | Hexahydromethylphthalic anhydride,<br>Hexahydro-4-methylphthalic anhydride,<br>Hexahydro-1-methylphthalic anhydride,<br>Hexahydro-3-methylphthalic anhydride                                                                                                                       | 25550-51-0,<br>19438-60-9,<br>48122-14-1,<br>57110-29-9 | 0.01             |
| (92)  | 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 | -                                                       | 0.01             |
| (93)  | Heptacosafuorotetradecanoic acid                                                                                                                                                                                                                                                   | 376-06-7                                                | 0.01             |
| (94)  | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear                                                                                                                                                                                                                   | 84777-06-0                                              | 0.01             |
| (95)  | Henicosafuoroundecanoic acid                                                                                                                                                                                                                                                       | 2058-94-8                                               | 0.01             |
| (96)  | N-pentyl-isopentylphthalate (iPnPP)                                                                                                                                                                                                                                                | 776297-69-9                                             | 0.01             |
| (97)  | Pentacosafuorotridecanoic acid                                                                                                                                                                                                                                                     | 72629-94-8                                              | 0.01             |
| (98)  | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues                                                                                                                                                    | -                                                       | 0.01             |
| (99)  | Tricosafuorododecanoic acid                                                                                                                                                                                                                                                        | 307-55-1                                                | 0.01             |
| (100) | Lead bis(tetrafluoroborate) $\Delta$                                                                                                                                                                                                                                               | 13814-96-5                                              | 0.01             |
| (101) | Lead tetroxide (orange lead) $\Delta$                                                                                                                                                                                                                                              | 1314-41-6                                               | 0.01             |
| (102) | Diethyl sulphate                                                                                                                                                                                                                                                                   | 64-67-5                                                 | 0.01             |
| (103) | Dinoseb                                                                                                                                                                                                                                                                            | 88-85-7                                                 | 0.01             |
| (104) | Lead Titanium Zirconium Oxide $\Delta$                                                                                                                                                                                                                                             | 12626-81-2                                              | 0.01             |
| (105) | Acetic acid, lead salt, basic $\Delta$                                                                                                                                                                                                                                             | 51404-69-4                                              | 0.01             |
| (106) | Furan                                                                                                                                                                                                                                                                              | 110-00-9                                                | 0.01             |
| (107) | N-methylacetamide                                                                                                                                                                                                                                                                  | 79-16-3                                                 | 0.01             |
| (108) | o-Toluidine; 2-Aminotoluene                                                                                                                                                                                                                                                        | 95-53-4                                                 | 0.01             |
| (109) | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine                                                                                                                                                                                                                                 | 143860-04-2                                             | 0.01             |
| (110) | 4,4'-oxydianiline and its salts                                                                                                                                                                                                                                                    | 101-80-4                                                | 0.01             |
| (111) | [Phthalato(2-)]dioxotrilead (Dibasic lead phthalate)*                                                                                                                                                                                                                              | 69011-06-9                                              | 0.01             |



| No.   | Substance                                                                                                                                                                                                                                                                                                                           | CAS No.    | Report Limit [%] |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------|
| (112) | Lead titanium trioxide Δ                                                                                                                                                                                                                                                                                                            | 12060-00-3 | 0.01             |
| (113) | Lead oxide sulphate Δ                                                                                                                                                                                                                                                                                                               | 12036-76-9 | 0.01             |
| (114) | Lead dinitrate Δ                                                                                                                                                                                                                                                                                                                    | 10099-74-8 | 0.01             |
| (115) | 4-Aminoazobenzene;<br>4-Phenylazoaniline                                                                                                                                                                                                                                                                                            | 60-09-3    | 0.01             |
| (116) | Lead cyanamidate Δ                                                                                                                                                                                                                                                                                                                  | 20837-86-9 | 0.01             |
| (117) | Tetralead trioxide sulphate Δ                                                                                                                                                                                                                                                                                                       | 12202-17-4 | 0.01             |
| (118) | 4-methyl-m-phenylenediamine (2,4-toluene-diamine)                                                                                                                                                                                                                                                                                   | 95-80-7    | 0.01             |
| (119) | Pyrochlore, antimony lead yellow Δ                                                                                                                                                                                                                                                                                                  | 8012-00-8  | 0.01             |
| (120) | Trilead bis(carbonate)dihydroxide (basic lead carbonate) Δ                                                                                                                                                                                                                                                                          | 1319-46-6  | 0.01             |
| (121) | Dimethyl sulphate                                                                                                                                                                                                                                                                                                                   | 77-78-1    | 0.01             |
| (122) | Dioxobis(stearato)trilead Δ                                                                                                                                                                                                                                                                                                         | 12578-12-0 | 0.01             |
| (123) | Silicic acid, barium salt, lead-doped Δ                                                                                                                                                                                                                                                                                             | 68784-75-8 | 0.01             |
| (124) | Biphenyl-4-ylamine                                                                                                                                                                                                                                                                                                                  | 92-67-1    | 0.01             |
| (125) | Lead oxide (lead monoxide) Δ                                                                                                                                                                                                                                                                                                        | 1317-36-8  | 0.01             |
| (126) | Pentalead tetraoxide sulphate Δ                                                                                                                                                                                                                                                                                                     | 12065-90-6 | 0.01             |
| (127) | Propylene oxide;<br>1,2-epoxypropane; methyloxirane                                                                                                                                                                                                                                                                                 | 75-56-9    | 0.01             |
| (128) | Silicic acid, lead salt Δ                                                                                                                                                                                                                                                                                                           | 11120-22-2 | 0.01             |
| (129) | Trilead dioxide phosphonate Δ                                                                                                                                                                                                                                                                                                       | 12141-20-7 | 0.01             |
| (130) | o-aminoazotoluene                                                                                                                                                                                                                                                                                                                   | 97-56-3    | 0.01             |
| (131) | 1-bromopropane                                                                                                                                                                                                                                                                                                                      | 106-94-5   | 0.01             |
| (132) | 6-methoxy-m-toluidine (p-cresidine)                                                                                                                                                                                                                                                                                                 | 120-71-8   | 0.01             |
| (133) | 4,4'-methylenedi-o-toluidine                                                                                                                                                                                                                                                                                                        | 838-88-0   | 0.01             |
| (134) | Tetraethyllead Δ                                                                                                                                                                                                                                                                                                                    | 78-00-2    | 0.01             |
| (135) | Sulfurous acid, lead salt, dibasic Δ                                                                                                                                                                                                                                                                                                | 62229-08-7 | 0.01             |
| (136) | Fatty acids, C16-18, lead salts Δ                                                                                                                                                                                                                                                                                                   | 91031-62-8 | 0.01             |
| (137) | Diisopentylphthalate                                                                                                                                                                                                                                                                                                                | 605-50-5   | 0.01             |
| (138) | Diazene-1,2-dicarboxamide(C,C'-azodi(formamide))                                                                                                                                                                                                                                                                                    | 123-77-3   | 0.01             |
| (139) | Cadmium                                                                                                                                                                                                                                                                                                                             | 7440-43-9  | 0.005            |
| (140) | Ammonium pentadecafluorooctanoate (APFO)                                                                                                                                                                                                                                                                                            | 3825-26-1  | 0.01             |
| (141) | Pentadecafluorooctanoic acid (PFOA)                                                                                                                                                                                                                                                                                                 | 335-67-1   | 0.01             |
| (142) | Dipentyl phthalate (DPP)                                                                                                                                                                                                                                                                                                            | 131-18-0   | 0.005            |
| (143) | 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] | -          | 0.01             |
| (144) | Cadmium oxide Δ                                                                                                                                                                                                                                                                                                                     | 1306-19-0  | 0.01             |
| (145) | Cadmium sulphide Δ                                                                                                                                                                                                                                                                                                                  | 1306-23-6  | 0.01             |
| (146) | Di-n-hexyl phthalate (DnHP)                                                                                                                                                                                                                                                                                                         | 84-75-3    | 0.01             |
| (147) | Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)                                                                                                                                                                                                                          | 573-58-0   | 0.005            |

| No.   | Substance                                                                                                                                                                                                                                                             | CAS No.                             | Report Limit [%] |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------|
| (148) | 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                           | 0.005            |
| (149) | Imidazolidine-2-thione; 2-imidazoline-2-thiol                                                                                                                                                                                                                         | 96-45-7                             | 0.01             |
| (150) | Lead di(acetate) $\Delta$                                                                                                                                                                                                                                             | 301-04-2                            | 0.01             |
| (151) | Trixylyl phosphate                                                                                                                                                                                                                                                    | 25155-23-1                          | 0.01             |
| (152) | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear                                                                                                                                                                                                      | 68515-50-4                          | 0.01             |
| (153) | Cadmium chloride $\Delta$                                                                                                                                                                                                                                             | 10108-64-2                          | 0.005            |
| (154) | Sodium perborate; perboric acid, sodium salt $\Delta$                                                                                                                                                                                                                 | -                                   | 0.01             |
| (155) | Sodium peroxometaborate $\Delta$                                                                                                                                                                                                                                      | 7632-04-4                           | 0.01             |
| (156) | Cadmium fluoride $\Delta$                                                                                                                                                                                                                                             | 7790-79-6                           | 0.01             |
| (157) | Cadmium sulphate $\Delta$                                                                                                                                                                                                                                             | 10124-36-4;<br>31119-53-6           | 0.01             |
| (158) | 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)                                                                                                                                                                                                                  | 3846-71-7                           | 0.01             |
| (159) | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)                                                                                                                                                                                                              | 25973-55-1                          | 0.01             |
| (160) | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) $\Delta$                                                                                                                                                                       | 15571-58-1                          | 0.01             |
| (161) | reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE) $\Delta$ | 15571-58-1;<br>27107-89-7           | 0.01             |
| (162) | 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq$ 0.3% of dihexyl phthalate                                                                                                     | 68515-51-5;<br>68648-93-1           | 0.01             |
| (163) | 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]                             | 117933-89-8                         | 0.01             |
| (164) | 1,3-propanesultone                                                                                                                                                                                                                                                    | 1120-71-4                           | 0.01             |
| (165) | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol(UV-327)                                                                                                                                                                                                         | 3864-99-1                           | 0.01             |
| (166) | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol(UV-350)                                                                                                                                                                                                   | 36437-37-3                          | 0.01             |
| (167) | Nitrobenzene                                                                                                                                                                                                                                                          | 98-95-3                             | 0.01             |
| (168) | Perfluorononan-1-oic-acid and its sodium and ammonium salts                                                                                                                                                                                                           | 375-95-1<br>21049-39-8<br>4149-60-4 | 0.01             |
| (169) | <u>Benzo[def]chrysene</u>                                                                                                                                                                                                                                             | 50-32-8                             | 0.01             |
| (170) | 4,4'-isopropylidenediphenol (bisphenol A)                                                                                                                                                                                                                             | 80-5-7                              | 0.01             |
| (171) | Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts                                                                                                                                                                                                  | 3108-42-7<br>335-76-2<br>3830-45-3  | 0.01             |
| (172) | 4-heptylphenol, branched and linear (4-HPbl)                                                                                                                                                                                                                          | ---                                 | 0.01             |
| (173) | 4-tert-pentylphenol (PTAP)                                                                                                                                                                                                                                            | 80-46-6                             | 0.01             |
| (174) | Perfluorohexane-1-sulphonic acid and its salts (PFHxS)                                                                                                                                                                                                                | --                                  | 0.005            |
| (175) | Chrysene                                                                                                                                                                                                                                                              | 218-01-9                            | 0.005            |

| No.   | Substance                                                                                                                                                                         | CAS No.                                    | Report Limit [%] |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------------|
| (176) | Benz[a]anthracene                                                                                                                                                                 | 56-55-3                                    | 0.005            |
| (177) | Cadmium nitrate $\Delta$                                                                                                                                                          | 10325-94-7                                 | 0.005            |
| (178) | Cadmium carbonate $\Delta$                                                                                                                                                        | 513-78-0                                   | 0.005            |
| (179) | Cadmium hydroxide $\Delta$                                                                                                                                                        | 21041-95-2                                 | 0.005            |
| (180) | Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)                                                                                | 13560-89-9;<br>135821-74-8;<br>135821-03-3 | 0.005            |
| (181) | 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] | --                                         | 0.005            |
| (182) | Octamethylcyclotetrasiloxane (D4)                                                                                                                                                 | 556-67-2                                   | 0.005            |
| (183) | Decamethylcyclopentasiloxane (D5)                                                                                                                                                 | 541-02-6                                   | 0.005            |
| (184) | Dodecamethylcyclohexasiloxane (D6)                                                                                                                                                | 540-97-6                                   | 0.005            |
| (185) | Lead                                                                                                                                                                              | 7439-92-1                                  | 0.005            |
| (186) | Disodium octaborate $\Delta$                                                                                                                                                      | 12008-41-2                                 | 0.005            |
| (187) | Benzo[ghi]perylene                                                                                                                                                                | 191-24-2                                   | 0.005            |
| (188) | Terphenyl hydrogenated                                                                                                                                                            | 61788-32-7                                 | 0.005            |
| (189) | Ethylenediamine (EDA)                                                                                                                                                             | 107-15-3                                   | 0.005            |
| (190) | Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)                                                                                                      | 552-30-7                                   | 0.005            |
| (191) | Dicyclohexyl phthalate (DCHP)                                                                                                                                                     | 84-61-7                                    | 0.005            |
| (192) | 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one                                                                                                                     | 15087-24-8                                 | 0.005            |
| (193) | 2,2-bis(4'-hydroxyphenyl)-4-methylpentane                                                                                                                                         | 6807-17-6                                  | 0.005            |
| (194) | Benzo[k]fluoranthene                                                                                                                                                              | 207-08-9                                   | 0.005            |
| (195) | Fluoranthene                                                                                                                                                                      | 206-44-0;<br>93951-69-0                    | 0.005            |
| (196) | Phenanthrene                                                                                                                                                                      | 85-01-8                                    | 0.005            |
| (197) | Pyrene                                                                                                                                                                            | 129-00-0; 1718-52-1                        | 0.005            |
| (198) | 2-methoxyethyl acetate                                                                                                                                                            | 110-49-6                                   | 0.005            |
| (199) | Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)                                                      | --                                         | 0.005            |
| (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)                      | --                                         | 0.005            |
| (201) | 4-tert-butylphenol                                                                                                                                                                | 98-54-4                                    | 0.005            |
| (202) | 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone                                                                                                                               | 119313-12-1                                | 0.005            |
| (203) | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one                                                                                                                          | 71868-10-5                                 | 0.005            |
| (204) | Diisohexyl phthalate                                                                                                                                                              | 71850-09-4                                 | 0.005            |
| (205) | Perfluorobutane sulfonic acid (PFBS) and its salts                                                                                                                                | --                                         | 0.005            |
| (206) | Dibutylbis(pentane-2,4-dionato-O,O')tin $\Delta$                                                                                                                                  | 22673-19-4                                 | 0.005            |

| No.   | Substance                                                                                                                                                                                                             | CAS No.                                         | Report Limit [%] |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|------------------|
| (207) | butyl 4-hydroxybenzoate                                                                                                                                                                                               | 94-26-8                                         | 0.005            |
| (208) | 2-methylimidazole                                                                                                                                                                                                     | 693-98-1                                        | 0.005            |
| (209) | 1-vinylimidazole                                                                                                                                                                                                      | 1072-63-5                                       | 0.005            |
| (210) | Bis(2-(2-methoxyethoxy)ethyl) ether                                                                                                                                                                                   | 143-24-8                                        | 0.005            |
| (211) | Diocetyl tin 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 $\Delta$ | --                                              | 0.01             |
| (212) | 1,4-dioxane                                                                                                                                                                                                           | 123-91-1                                        | 0.01             |
| (213) | 2,2-bis(bromomethyl)propane 1,3-diol (BMP);<br>2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA);<br>2,3-dibromo-1-propanol (2,3-DBPA)                                     | 3296-90-0<br>36483-57-5<br>1522-92-5<br>96-13-9 | 0.01             |
| (214) | 2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers                                                                                                                                                | --                                              | 0.01             |
| (215) | 4,4'-(1-methylpropylidene)bisphenol                                                                                                                                                                                   | 77-40-7                                         | 0.01             |
| (216) | Glutaral                                                                                                                                                                                                              | 111-30-8                                        | 0.01             |
| (217) | 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)                                   | --                                              | 0.01             |
| (218) | Orthoboric acid, sodium salt $\Delta$                                                                                                                                                                                 | 13840-56-7                                      | 0.01             |
| (219) | Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)                                   | --                                              | 0.01             |
| (220) | ( $\pm$ )-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)                                                          | --                                              | 0.01             |
| (221) | 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)                                                                                                                                                                   | 119-47-1                                        | 0.01             |
| (222) | S-(tricyclo[5.2.1.0' <sup>2</sup> ,6]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate                                                     | 255881-94-8                                     | 0.01             |
| (223) | Tris(2-methoxyethoxy)vinylsilane                                                                                                                                                                                      | 1067-53-4                                       | 0.01             |
| (224) | N-(hydroxymethyl)acrylamide                                                                                                                                                                                           | 924-42-5                                        | 0.01             |
| (225) | 1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]                                                                                                                                                              | 37853-59-1                                      | 0.01             |
| (226) | 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol                                                                                                                                                                      | 79-94-7                                         | 0.01             |
| (227) | 4,4'-sulphonyldiphenol                                                                                                                                                                                                | 80-09-1                                         | 0.01             |
| (228) | Barium diboron tetraoxide $\Delta$                                                                                                                                                                                    | 13701-59-2                                      | 0.01             |
| (229) | bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof                                                                                                              | --                                              | 0.01             |
| (230) | Isobutyl 4-hydroxybenzoate                                                                                                                                                                                            | 4247-02-3                                       | 0.01             |
| (231) | Melamine                                                                                                                                                                                                              | 108-78-1                                        | 0.01             |
| (232) | Perfluoroheptanoic acid and its salts                                                                                                                                                                                 | --                                              | 0.01             |

| No.   | Substance                                                                                                                                                                                                                                                                                          | CAS No.      | Report Limit [%] |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------|
| (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                                                                                                                                   | --           | 0.01             |
| (234) | Bis(4-chlorophenyl) sulphone                                                                                                                                                                                                                                                                       | 80-07-9      | 0.01             |
| (235) | Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide                                                                                                                                                                                                                                                    | 75980-60-8   | 0.01             |
| (236) | Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol                                                                                                                                                                                                                     | -            | 0.01             |
| (237) | 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)                                                                                                                                                                                                                               | 3147-75-9    | 0.01             |
| (238) | 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one                                                                                                                                                                                                               | 119344-86-4  | 0.01             |
| (239) | Bumetizole (UV-326)                                                                                                                                                                                                                                                                                | 3896-11-5    | 0.01             |
| (240) | 2,4,6-tri-tert-butylphenol                                                                                                                                                                                                                                                                         | 732-26-3     | 0.01             |
| (241) | Bis (a, a-dimethylbenzyl) peroxide                                                                                                                                                                                                                                                                 | 80-43-3      | 0.01             |
| (242) | Triphenyl phosphate                                                                                                                                                                                                                                                                                | 115-86-6     | 0.01             |
| (243) | 6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl] hexanoic acid                                                                                                                                                                                                                 | 2156592-54-8 | 0.01             |
| (244) | O,O,O-triphenyl phosphorothioate                                                                                                                                                                                                                                                                   | 597-82-0     | 0.01             |
| (245) | Octamethyltrisiloxane                                                                                                                                                                                                                                                                              | 107-51-7     | 0.01             |
| (246) | Perfluamine                                                                                                                                                                                                                                                                                        | 338-83-0     | 0.01             |
| (247) | reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives                                                                                                                                                                                                                 | 192268-65-8  | 0.01             |
| (248) | Decamethyltetrasiloxane                                                                                                                                                                                                                                                                            | 141-62-8     | 0.01             |
| (249) | 1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane                                                                                                                                                                                                                                       | 17928-28-8   | 0.01             |
| (250) | tetra(sodium/potassium)7-[(E)-{2-acetamido-4-[(E)-(4-{[4-chloro-6-({2-[(4-fluoro-6-{[4-(vinylsulfonyl)phenyl]amino}-1,3,5-triazine-2-yl)amino]propyl)amino}-1,3,5-triazine-2-yl]amino}-5-sulfonato-1-naphthyl)diazenyl]-5-methoxyphenyl]diazenyl]-1,3,6-naphthalenetrisulfonate(Reactive Brown 51) | --           | 0.01             |
| (251) | 1,1'-(ethane-1,2-diyl)bis[pentabromobenzene] (DBDPE)                                                                                                                                                                                                                                               | 84852-53-9   | 0.005            |
| (252) | n-hexane                                                                                                                                                                                                                                                                                           | 110-54-3     | 0.01             |
| (253) | 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]diphenol and its salts                                                                                                                                                                                                                         | -            | 0.01             |

Δ = Determination was based on elemental analysis. The content was calculated based on assumption of worst-case.

Notes:

REACH requirement:

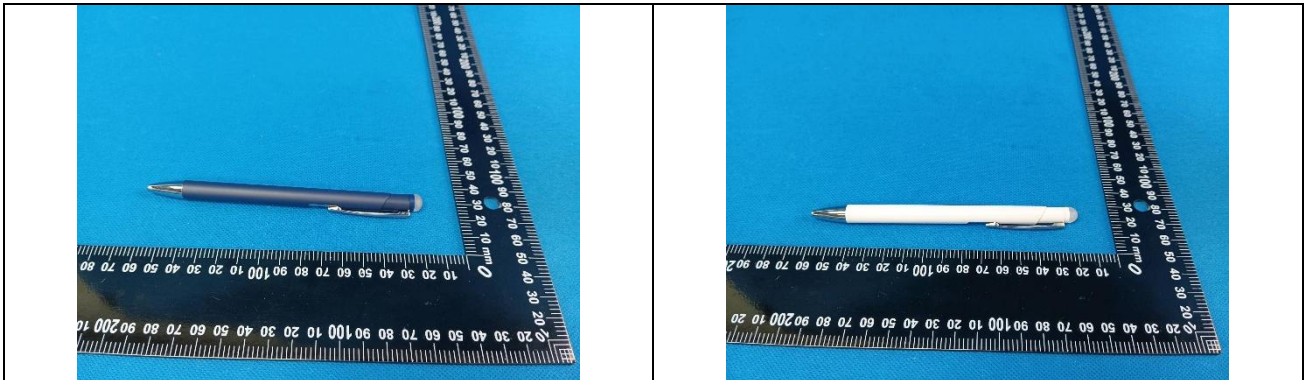
As per article 33(1) of regulation (EC) No. 1907/2006 (REACH), recipients of product must be provided with information of safe use if any of the tested substances (SVHC) exceeded 0.1% (w/w). A product meets the requirement of article 33(1) by default when no SVHC exceeds 0.1% (w/w).

**Waste Framework Directive (WFD) Requirement:**

As per Article 9(1)(i) of Directive 2008/98/EC on waste (WFD, Waste Framework Directive) as amended, Member States shall take measures to ensure that any supplier of an article as defined in point 33 of Article 3 of Regulation (EC) No 1907/2006 (REACH) provides the information pursuant to Article 33(1) of Regulation (EC) No 1907/2006 (REACH) to the European Chemicals Agency (ECHA) as from 5 January 2021. Any supplier of an article containing a substance of very high concern (SVHC) on the Candidate List for Authorisation in a concentration above 0.1% weight by weight (w/w) on the EU market is required to submit a SCIP Notification on that article to ECHA, as from 5 January 2021.



## Annex



<sup>a</sup> The reference model information is provided by the client and claimed that the identical materials and/or construction as the tested samples are used. The samples displayed here are not tested samples and are for reference only DEKRA Testing and Certification (Shanghai) Ltd., Guangzhou branch takes no liability for information validation.

### ---End of Report---

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