

**Applicant** : ShenZhen LeveTop Semiconductor Co.,Ltd.  
**Address** : Room 201, 2nd floor, Building 8, Xinhe 4th Road, Pingshan Street,  
Pingshan District, Shenzhen

**The following sample(s) was/were submitted and identified on behalf of the client as:**

**Product Name** : Chip  
**Mdoel** : LT7680A-R,LT7680B-R,LT7680+,LT7681,LT7683,LT7686,LT7381,LT268A,  
LT32U02,LT32A01,LT7688,LT7689,LT32U03B,LT268C,LT5926B,LT5928A,  
LT6101A,LT6101B,LT776,LT268D,LT269,LT268B,LT32U03A,LT3688,LT32U03C  
**Manufacturer** : ShenZhen LeveTop Semiconductor Co.,Ltd.  
**Address** : Room 201, 2nd floor, Building 8, Xinhe 4th Road, Pingshan Street,  
Pingshan District, Shenzhen

**Date of Sample Received** : Jul. 24, 2023  
**Test period** : Jul. 24, 2023- Jul. 31, 2023

**Test requested**

As specified by client, in accordance with REACH Directive EC No 1907/2006, to determine the two hundred and thirty-five (235) Substances of Very High Concern(SVHC) which were published by European Chemicals Agency(ECHA) content by sieving test on submitted sample.

**Conclusion**

Pass

**Test method** : Please refer to next page.

**Test result** : Please refer to next page.

**Approved by:**

*Richard Ke*  
Richard Ke  
(Signed for and on behalf)



Date:

Aug. 02, 2023

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**Test Results (Unit: %):**

## 1. SVHC

| Batch | Substance Name  | CAS No. | Results (%)       | RL (%) |
|-------|-----------------|---------|-------------------|--------|
|       |                 |         | No.1 <sup>△</sup> |        |
| ---   | All tested SVHC | ---     | N.D.              | ---    |

**Test Part Description:**

| Group No. | Picture No. | Test Part Name             |
|-----------|-------------|----------------------------|
| No.1      | 1           | Black liquid (drying test) |

**Note:**

- (1) mg/kg=ppm=0.0001%;
- (2) N.D.=Not Detected(<RL), RL=Report Limit;
- (3) The test results table only shows detected SVHC, and SVHC that below RL are not reported. Please refer to Appendix for the full list of tested substances.
- (4) \*\* : The substance is calculated by the test results of TributylTin or element (Ex.Arsenic, Lead, Cobalt, Hexavalent chromium, Silicon, Aluminium, Zirconium, Chromium, Molybdenum, Boron, Potassium, Sodium, Strontium, Barium, Cadmium, Zinc, Calcium, Titanium). The RL is evaluated for TributylTin or element (Ex.Arsenic, Lead, Cobalt, Hexavalent chromium, Silicon, Aluminium, Zirconium, Chromium, Molybdenum, Boron, Potassium, Sodium, Strontium, Barium, Cadmium, Zinc, Calcium, Titanium);
- (5) (a) The chemical analysis of 235 SVHC is performed by means of currently available analytical Techniques against the list published by ECHA, and shall refer to <http://echa.europa.eu/web/guest/candidate-list-table>. This list is under evaluation by ECHA and may subject to change in the future;
- (b) In accordance with Regulation (EC) No 1907/2006, any producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if ( i ) the substance is present in those articles in quantities totaling over one tonne per producer or importer per year; and ( ii ) the substance is present in those articles above a concentration of 0.1% weight by weight (w/w);
- (c) Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance.
- (6) <sup>△</sup>= As specified by client's declaration, the submitted sample(s) do not contain aluminum compounds in SVHC in candidate list (See following full list of tested SVHC).

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**Full list of tested SVHC:**
**The first batch of SVHC (I)**

| No. | Substance Name   | EC No.    | CAS No.  | Pretreatment Method                  | Measuring Instrument | RL (%) |
|-----|--|-----------|--|--------------------------------------|----------------------|--------|
| 1   | 4,4'-Diaminodiphenylmethane  | 202-974-4 | 101-77-9   | EN 14362-1:2012                      | GC-MS                | 0.050  |
| 2   | 5-tert-butyl-2,4,6-trinitro-m-x ylen                                     | 201-329-4 | 81-15-2  | US EPA 3550C:2007                    | GC-MS                | 0.050  |
| 3   | Short Chain Chlorinated Paraffins  | 287-476-5 | 85535-84-8   | US EPA 3550C:2007                    | GC-MS                | 0.050  |
| 4   | Anthracene   | 204-371-1 | 120-12-7   | AfPS GS 2019:01 PAK                  | GC-MS                | 0.050  |
| 5   | Benzyl butyl phthalate (BBP)   | 201-622-7 | 85-68-7  | US EPA 3550C:2007                    | GC-MS                | 0.050  |
| 6   | Bis (2-ethyl(hexyl)phthalate) (DEHP)                                     | 204-211-0 | 117-81-7   | US EPA 3550C:2007                    | GC-MS                | 0.050  |
| 7   | Bis(tributyltin)oxide **   | 200-268-0 | 56-35-9  | ISO17353:2005                        | GC-MS                | 0.050  |
| 8   | Cobalt dichloride **   | 231-589-4 | 7646-79-9  | US EPA 3052:1996<br>BS EN 14582:2016 | ICP-OES&I<br>C       | 0.010  |
| 9   | Diarsenic pentaoxide **  | 215-116-9 | 1303-28-2  | US EPA 3052:1996                     | ICP-OES              | 0.010  |
| 10  | Diarsenic trioxide **  | 215-481-4 | 1327-53-3  | US EPA 3052:1996                     | ICP-OES              | 0.010  |
| 11  | Dibutyl phthalate(DBP)   | 201-557-4 | 84-74-2  | US EPA 3550C:2007                    | GC-MS                | 0.050  |
| 12  | Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified | 247-148-4 | 25637-99-4<br>3194-55-6<br>(134237-50-6<br>134237-51-7<br>134237-52-8) | US EPA 3550C:2007                    | GC-MS                | 0.050  |
| 13  | Lead hydrogen arsenate **  | 232-064-2 | 7784-40-9  | US EPA 3052:1996                     | ICP-OES              | 0.010  |
| 14  | Sodium dichromate **   | 234-190-3 | 7789-12-0&<br>10588-01-9   | US EPA 3060A:1996                    | UV-Vis               | 0.010  |
| 15  | Triethyl arsenate **   | 427-700-2 | 15606-95-8   | US EPA 3052:1996                     | ICP-OES              | 0.010  |

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**The second batch of SVHC (II)**

| No. | Substance Name  | EC No.    | CAS No.    | Pretreatment Method                    | Measuring Instrument | RL (%) |
|-----|---|-----------|------------|--|----------------------|--------|
| 16  | 2,4-Dinitrotoluene  | 204-450-0 | 121-14-2   | US EPA 3550C:2007                      | GC-MS                | 0.050  |
| 17  | Anthracene oil  | 292-602-7 | 90640-80-5 | In house method                        | GC-MS                | 0.050  |
| 18  | Anthracene oil, anthracene paste                              | 292-603-2 | 90640-81-6 | In house method                        | GC-MS                | 0.050  |
| 19  | Anthracene oil, anthracene paste, anthracene fraction         | 295-275-9 | 91995-15-2 | In house method                        | GC-MS                | 0.050  |
| 20  | Anthracene oil, anthracene paste, distn. Lights               | 295-278-5 | 91995-17-4 | In house method                        | GC-MS                | 0.050  |
| 21  | Anthracene oil, anthracene-low                                | 292-604-8 | 90640-82-7 | In house method                        | GC-MS                | 0.050  |
| 22  | Diisobutyl phthalate (DIBP)                                   | 201-553-2 | 84-69-5    | US EPA 3550C:2007                      | GC-MS                | 0.050  |
| 23  | Lead chromate**   | 231-846-0 | 7758-97-6  | US EPA 3060A:1996;<br>US EPA 3052:1996 | ICP-OES&<br>UV-Vis   | 0.010  |
| 24  | Lead chromate molybdate sulfate red (C.I. Pigment Red 104) ** | 235-759-9 | 12656-85-8 | US EPA 3060A:1996;<br>US EPA 3052:1996 | ICP-OES&<br>UV-Vis   | 0.010  |
| 25  | Lead sulfochromate yellow (C.I. Pigment Yellow 34) **         | 215-693-7 | 1344-37-2  | US EPA 3060A:1996;<br>US EPA 3052:1996 | ICP-OES&<br>UV-Vis   | 0.010  |
| 26  | coal tar pitch, high temperature                              | 266-028-2 | 65996-93-2 | In house method                        | GC-MS                | 0.050  |
| 27  | tris(2-chloroethyl)phosphate                                  | 204-118-5 | 115-96-8   | US EPA 3550C:2007                      | GC-MS                | 0.050  |
| 28  | Acrylamide  | 201-173-7 | 79-06-1    | US EPA 3550C:2007                      | GC-MS                | 0.050  |

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### The third batch of SVHC (III)

| No. | Substance Name                             | EC No.                 | CAS No.                              | Pretreatment Method                    | Measuring Instrument | RL (%) |
|-----|--|------------------------|--------------------------------------|--|----------------------|--------|
| 29  | Ammonium dichromate **                     | 232-143-1              | 7789-09-5                            | US EPA 3060A:1996;                     | UV-Vis               | 0.010  |
| 30  | Boric acid **                              | 233-139-2<br>234-343-4 | 10043-35-3<br>11113-50-1             | US EPA 3052:1996                       | ICP-OES              | 0.010  |
| 31  | Disodium tetraborate, anhydrous **         | 215-540-4              | 1330-43-4<br>12179-04-3<br>1303-96-4 | US EPA 3052:1996                       | ICP-OES              | 0.010  |
| 32  | Potassium chromate **                      | 232-140-5              | 7789-00-6                            | US EPA 3060A:1996;<br>US EPA 3052:1996 | ICP-OES&<br>UV-Vis   | 0.010  |
| 33  | Potassium dichromate **                    | 231-906-6              | 7778-50-9                            | US EPA 3060A:1996;<br>US EPA 3052:1996 | ICP-OES&<br>UV-Vis   | 0.010  |
| 34  | Sodium chromate **                         | 231-889-5              | 7775-11-3                            | US EPA 3060A:1996;<br>US EPA 3052:1996 | ICP-OES&<br>UV-Vis   | 0.010  |
| 35  | Tetraboron disodium heptaoxide, hydrate ** | 235-541-3              | 12267-73-1                           | US EPA 3052:1996                       | ICP-OES              | 0.010  |
| 36  | Trichloroethylene                          | 201-167-4              | 79-01-6                              | US EPA 3550C:2007                      | GC-ECD               | 0.050  |

### The forth batch of SVHC (IV)

| No. | Substance Name  | EC No.                 | CAS No.                 | Pretreatment Method | Measuring Instrument | RL (%) |
|-----|---|------------------------|-------------------------|---------------------|----------------------|--------|
| 37  | 2-Ethoxyethanol   | 203-804-1              | 110-80-5                | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 38  | 2-Methoxyethanol  | 203-713-7              | 109-86-4                | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 39  | Acids generated from chromium trioxide and their oligomers ( Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid) ** | 231-801-5<br>236-881-5 | 7738-94-5<br>13530-68-2 | US EPA 3060A:1996   | UV-Vis               | 0.010  |
| 40  | Chromium trioxide**   | 215-607-8              | 1333-82-0               | US EPA 3060A:1996   | UV-Vis               | 0.010  |
| 41  | Cobalt ( II ) carbonate**   | 208-169-4              | 513-79-1                | US EPA 3052:1996    | ICP-OES              | 0.010  |
| 42  | Cobalt ( II ) diacetate**   | 200-755-8              | 71-48-7                 | US EPA 3052:1996    | ICP-OES              | 0.010  |
| 43  | Cobalt ( II ) dinitrate**   | 233-402-1              | 10141-05-6              | US EPA 3052:1996    | ICP-OES              | 0.010  |
| 44  | Cobalt ( II ) sulphate**  | 233-334-2              | 10124-43-3              | US EPA 3052:1996    | ICP-OES              | 0.010  |

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**The fifth batch of SVHC (V)**

| No. | Substance Name  | EC No.    | CAS No.               | Pretreatment Method                    | Measuring Instrument | RL (%) |
|-----|---|-----------|-----------------------|--|----------------------|--------|
| 45  | 1,2,3-trichloropropane  | 202-486-1 | 96-18-4               | US EPA 3550C:2007                      | GC-MS                | 0.050  |
| 46  | 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich    | 276-158-1 | 71888-89-6            | US EPA 3550C:2007                      | GC-MS                | 0.050  |
| 47  | 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters | 271-084-6 | 68515-42-4            | US EPA 3550C:2007                      | GC-MS                | 0.050  |
| 48  | 1-methyl-2-pyrrolidone  | 212-828-1 | 872-50-4              | US EPA 3550C:2007                      | GC-MS                | 0.050  |
| 49  | 2-ethoxyethyl acetate   | 203-839-2 | 111-15-9              | US EPA 3550C:2007                      | GC-MS                | 0.050  |
| 50  | Hydrazine   | 206-114-9 | 7803-57-8<br>302-01-2 | US EPA 3550C:2007                      | GC-MS                | 0.050  |
| 51  | Strontium chromate**  | 232-142-6 | 7789-6-2              | US EPA 3060A:1996;<br>US EPA 3052:1996 | ICP-OES&<br>UV-Vis   | 0.010  |

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**The sixth batch of SVHC (VI)**

| No. | Substance Name  | EC No.    | CAS No.    | Pretreatment Method                    | Measuring Instrument | RL (%) |
|-----|---|-----------|------------|--|----------------------|--------|
| 52  | 1,2-Dichloroethane  | 203-458-1 | 107-06-2   | US EPA 3550C:2007                      | GC-MS                | 0.050  |
| 53  | 2,2'-dichloro-4,4'-methylenedianiline                                   | 202-918-9 | 101-14-4   | US EPA 3550C:2007                      | GC-MS                | 0.050  |
| 54  | 2-Methoxyaniline;<br>o-Anisidine  | 201-963-1 | 90-04-0    | US EPA 3550C:2007                      | GC-MS                | 0.050  |
| 55  | 4-(1,1,3,3-tetramethylbutyl) phenol, (4-tert-Octylphenol)               | 205-426-2 | 140-66-9   | US EPA 3550C:2007                      | GC-MS                | 0.050  |
| 56  | Aluminosilicate Refractory Ceramic Fibres (RCF)**                       | ---       | ---        | US EPA 3052:1996                       | ICP-OES              | 0.010  |
| 57  | Calcium arsenate**  | 231-904-5 | 7778-44-1  | US EPA 3052:1996                       | ICP-OES              | 0.010  |
| 58  | Bis(2-methoxyethyl) ether   | 203-924-4 | 111-96-6   | US EPA 3550C:2007                      | GC-FID               | 0.050  |
| 59  | Bis(2-methoxyethyl) phthalate (DMEP)                                    | 204-212-6 | 117-82-8   | US EPA 3550C:2007                      | GC-MS                | 0.050  |
| 60  | Arsenic acid**  | 231-901-9 | 7778-39-4  | US EPA 3052:1996                       | ICP-OES              | 0.010  |
| 61  | Dichromium tris(chromate)**   | 246-356-2 | 24613-89-6 | US EPA 3060A:1996;<br>US EPA 3052:1996 | ICP-OES&<br>UV-Vis   | 0.010  |
| 62  | Formaldehyde, oligomeric reaction products with aniline (technical MDA) | 500-036-1 | 25214-70-4 | US EPA 3550C:2007                      | GC-MS                | 0.050  |
| 63  | Lead diazide;Lead azide**   | 236-542-1 | 13424-46-9 | US EPA 3052:1996                       | ICP-OES              | 0.010  |
| 64  | Lead dipicrate**  | 229-335-2 | 6477-64-1  | US EPA 3052:1996                       | ICP-OES              | 0.010  |
| 65  | Lead styphnate**  | 239-290-0 | 15245-44-0 | US EPA 3052:1996                       | ICP-OES              | 0.010  |
| 66  | N,N-dimethylacetamide (DMAC)  | 204-826-4 | 127-19-5   | US EPA 3550C:2007                      | GC-MS                | 0.050  |
| 67  | Pentazinc chromate octahydroxide**                                      | 256-418-0 | 49663-84-5 | US EPA 3060A:1996;<br>US EPA 3052:1996 | ICP-OES&<br>UV-Vis   | 0.010  |
| 68  | Phenolphthalein   | 201-004-7 | 77-09-8    | US EPA 3550C:2007                      | GC-MS                | 0.050  |
| 69  | Potassium hydroxyoctaoxodizincatedichromate**                           | 234-329-8 | 11103-86-9 | US EPA 3060A:1996;<br>US EPA 3052:1996 | ICP-OES&<br>UV-Vis   | 0.010  |
| 70  | Trilead diarsenate**  | 222-979-5 | 3687-31-8  | US EPA 3052:1996                       | ICP-OES              | 0.010  |
| 71  | Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)**           | ---       | ---        | US EPA 3052:1996                       | ICP-OES              | 0.010  |

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**The seventh batch of SVHC (VII)**

| No. | Substance Name   | EC No.    | CAS No.    | Pretreatment Method | Measuring Instrument | RL (%) |
|-----|--|-----------|------------|---------------------|----------------------|--------|
| 72  | 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)  | 203-977-3 | 112-49-2   | US EPA 3550C:2007   | GC-FID               | 0.050  |
| 73  | 1,2-dimethoxyethane;ethylene glycol dimethyl ether (EGDME)   | 203-794-9 | 110-71-4   | US EPA 3550C:2007   | GC-FID               | 0.050  |
| 74  | TGIC(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)   | 219-514-3 | 2451-62-9  | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 75  | $\beta$ -TGIC(1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)  | 423-400-0 | 59653-74-6 | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 76  | 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol  | 209-218-2 | 561-41-1   | US EPA 3550C:2007   | HPLC                 | 0.050  |
| 77  | bis(dimethylamino)benzophenone(Michler's ketone)   | 202-027-5 | 90-94-8    | US EPA 3550C:2007   | HPLC                 | 0.050  |
| 78  | 4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethyl ammonium chloride (C.I. Basic Violet 3)                  | 208-953-6 | 548-62-9   | US EPA 3550C:2007   | HPLC                 | 0.050  |
| 79  | [4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylenecyclohexa-2,5-dien-1-ylidene]dimethyl ammonium chloride (C.I. Basic Blue 26) | 219-943-6 | 2580-56-5  | US EPA 3550C:2007   | HPLC                 | 0.050  |
| 80  | Diboron trioxide**   | 215-125-8 | 1303-86-2  | US EPA 3052:1996    | ICP-OES              | 0.010  |
| 81  | Formamide  | 200-842-0 | 75-12-7    | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 82  | Lead(II)bis(methanesulfonate)**  | 401-750-5 | 17570-76-2 | US EPA 3052:1996    | ICP-OES              | 0.010  |
| 83  | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)   | 202-959-2 | 101-61-1   | US EPA 3550C:2007   | HPLC                 | 0.050  |
| 84  | $\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)                                | 229-851-8 | 6786-83-0  | US EPA 3550C:2007   | HPLC                 | 0.050  |

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**The eighth batch of SVHC (VIII)**

| No. | Substance Name   | EC No.    | CAS No.     | Pretreatment Method | Measuring Instrument | RL (%) |
|-----|--|-----------|-------------|---------------------|----------------------|--------|
| 85  | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear   | 284-032-2 | 84777-06-0  | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 86  | 1,2-Diethoxyethane   | 211-076-1 | 629-14-1    | US EPA 3550C:2007   | GC-FID               | 0.050  |
| 87  | 1-bromopropane; n-propyl bromide   | 203-445-0 | 106-94-5    | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 88  | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine   | 421-150-7 | 143860-04-2 | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 89  | 4,4'-methylenedi-o-toluidine   | 212-658-8 | 838-88-0    | EN14362-1:2012      | GC-MS                | 0.050  |
| 90  | 4,4'-oxydianiline and its salts  | 202-977-0 | 101-80-4    | EN14362-1:2012      | GC-MS                | 0.050  |
| 91  | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues  | /         | /           | US EPA 3550C:2007   | HPLC                 | 0.050  |
| 92  | 4-Aminoazobenzene; 4-Phenylazoaniline  | 200-453-6 | 60-09-3     | EN14362-1:2012      | GC-MS                | 0.050  |
| 93  | 4-methyl-m-phenylenediamine (2,4-toluene-diamine)  | 202-453-1 | 95-80-7     | EN14362-1:2012      | GC-MS                | 0.050  |
| 94  | 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 | /         | /           | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 95  | 6-methoxy-m-toluidine (p-cresidine)  | 204-419-1 | 120-71-8    | EN14362-1:2012      | GC-MS                | 0.050  |
| 96  | [Phthalato(2-)]dioxotrilead (dibasic lead phthalate)**   | 273-688-5 | 69011-06-9  | US EPA 3052:1996    | ICP-OES              | 0.010  |
| 97  | Acetic acid, lead salt, basic**  | 257-175-3 | 51404-69-4  | US EPA 3052:1996    | ICP-OES& UV-Vis      | 0.010  |
| 98  | Biphenyl-4-ylamine   | 202-177-1 | 92-67-1     | EN14362-3:2012      | GC-MS                | 0.050  |
| 99  | Bis(pentabromophenyl) ether (DecaBDE)  | 214-604-9 | 1163-19-5   | IEC 62321-6:2015    | GC-MS                | 0.050  |

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**The eighth batch of SVHC (VIII)**

| No. | Substance Name  | EC No.                                     | CAS No.  | Pretreatment Method | Measuring Instrument | RL (%) |
|-----|---|--|--|---------------------|----------------------|--------|
| 100 | Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)   | 201-604-9                                  | 85-42-7  | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 101 | Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))   | 204-650-8                                  | 123-77-3                                       | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 102 | Dibutyltin dichloride (DBT)   | 211-670-0                                  | 683-18-1                                       | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 103 | Diethyl sulphate  | 200-589-6                                  | 64-67-5  | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 104 | Diisopentylphthalate (DIPP)   | 210-088-4                                  | 605-50-5                                       | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 105 | Dimethyl sulphate   | 201-058-1                                  | 77-78-1  | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 106 | Dinoseb   | 201-861-7                                  | 88-85-7  | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 107 | Dioxobis(stearato)trilead**   | 235-702-8                                  | 12578-12-0                                     | US EPA 3052:1996    | ICP-OES              | 0.010  |
| 108 | Fatty acids, C16-18, lead salts**   | 292-966-7                                  | 91031-62-8                                     | US EPA 3052:1996    | ICP-OES              | 0.010  |
| 109 | Furan   | 203-727-3                                  | 110-00-9                                       | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 110 | Henicosfluoroundecanoic acid  | 218-165-4                                  | 2058-94-8                                      | US EPA 3550C:2007   | HPLC                 | 0.050  |
| 111 | Heptacosfluorotetradecanoic acid  | 206-803-4                                  | 376-06-7                                       | US EPA 3550C:2007   | HPLC                 | 0.050  |
| 112 | Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride | 247-094-1, 243-072-0, 256-356-4, 260-566-1 | 25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9 | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 113 | Lead bis(tetrafluoroborate)**   | 237-486-0                                  | 13814-96-5                                     | US EPA 3052:1996    | ICP-OES              | 0.010  |
| 114 | Lead cyanamate**  | 244-073-9                                  | 20837-86-9                                     | US EPA 3052:1996    | ICP-OES              | 0.010  |
| 115 | Lead dinitrate**  | 233-245-9                                  | 10099-74-8                                     | US EPA 3052:1996    | ICP-OES              | 0.010  |
| 116 | Lead oxide (lead monoxide)**  | 215-267-0                                  | 1317-36-8                                      | US EPA 3052:1996    | ICP-OES              | 0.010  |
| 117 | Lead oxide sulfate (basic lead sulfate)**   | 234-853-7                                  | 12036-76-9                                     | US EPA 3052:1996    | ICP-OES              | 0.010  |
| 118 | Lead titanium trioxide**  | 235-038-9                                  | 12060-00-3                                     | US EPA 3052:1996    | ICP-OES              | 0.010  |
| 119 | Lead Titanium Zirconium Oxide**   | 235-727-4                                  | 12626-81-2                                     | US EPA 3052:1996    | ICP-OES              | 0.010  |
| 120 | Methoxy acetic acid   | 210-894-6                                  | 625-45-6                                       | US EPA 3550C:2007   | GC-MS                | 0.050  |

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**The eighth batch of SVHC (VIII)**

| No. | Substance Name   | EC No.    | CAS No.    | Pretreatment Method | Measuring Instrument | RL (%) |
|-----|--|-----------|------------|---------------------|----------------------|--------|
| 121 | Propylene oxide;<br>1,2-epoxypropane;<br>methyloxirane               | 200-879-2 | 75-56-9    | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 122 | N,N-dimethylformamide;<br>dimethyl formamide                         | 200-679-5 | 68-12-2    | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 123 | N-methylacetamide  | 201-182-6 | 79-16-3    | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 124 | N-pentyl-isopentylphthalate  | -         | -          | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 125 | o-aminoazotoluene  | 202-591-2 | 97-56-3    | EN14362-1:2012      | GC-MS                | 0.050  |
| 126 | o-Toluidine;<br>2-Aminotoluene                                       | 202-429-0 | 95-53-4    | EN14362-1:2012      | GC-MS                | 0.050  |
| 127 | Lead tetroxide (orange<br>lead)**                                    | 215-235-6 | 1314-41-6  | US EPA 3052:1996    | ICP-OES              | 0.010  |
| 128 | Pentacosafuorotridecanoic<br>acid                                    | 276-745-2 | 72629-94-8 | US EPA 3550C:2007   | HPLC                 | 0.050  |
| 129 | Pentalead tetraoxide<br>sulphate**                                   | 235-067-7 | 12065-90-6 | US EPA 3052:1996    | ICP-OES              | 0.010  |
| 130 | Pyrochlore, antimony lead<br>yellow**                                | 232-382-1 | 8012-00-8  | US EPA 3052:1996    | ICP-OES              | 0.010  |
| 131 | Silicic acid, barium salt,<br>lead-doped**                           | 272-271-5 | 68784-75-8 | US EPA 3052:1996    | ICP-OES              | 0.010  |
| 132 | Silicic acid, lead salt**  | 234-363-3 | 11120-22-2 | US EPA 3052:1996    | ICP-OES              | 0.010  |
| 133 | Sulfurous acid, lead salt,<br>dibasic**                              | 263-467-1 | 62229-08-7 | US EPA 3052:1996    | ICP-OES              | 0.010  |
| 134 | Tetraethyllead**   | 201-075-4 | 78-00-2    | US EPA 3052:1996    | ICP-OES              | 0.010  |
| 135 | Tetralead trioxide<br>sulphate**                                     | 235-380-9 | 12202-17-4 | US EPA 3052:1996    | ICP-OES              | 0.010  |
| 136 | Tricosafuorododecanoic<br>acid                                       | 206-203-2 | 307-55-1   | US EPA 3550C:2007   | HPLC                 | 0.050  |
| 137 | Basic lead carbonate<br>(trilead<br>bis(carbonate)dihydroxide)<br>** | 215-290-6 | 1319-46-6  | US EPA 3052:1996    | ICP-OES              | 0.010  |
| 138 | Trilead dioxide<br>phosphonate**                                     | 235-252-2 | 12141-20-7 | US EPA 3052:1996    | ICP-OES              | 0.010  |

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**The ninth batch of SVHC (IX)**

| No. | Substance Name   | EC No.    | CAS No.   | Pretreatment Method | Measuring Instrument | RL (%) |
|-----|--|-----------|-----------|---------------------|----------------------|--------|
| 139 | 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] | -         | -         | US EPA 3550C:2007   | HPLC                 | 0.050  |
| 140 | Ammonium pentadecafluorooctanoate (APFO)   | 223-320-4 | 3825-26-1 | US EPA 3550C:2007   | HPLC                 | 0.050  |
| 141 | Cadmium  | 231-152-8 | 7440-43-9 | US EPA3050B:1996    | ICP-OES              | 0.010  |
| 142 | Cadmium oxide**  | 215-146-2 | 1306-19-0 | US EPA3050B:1996    | ICP-OES              | 0.010  |
| 143 | Dipentyl phthalate (DPP)   | 205-017-9 | 131-18-0  | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 144 | Pentadecafluorooctanoic acid (PFOA)  | 206-397-9 | 335-67-1  | US EPA 3550C:2007   | HPLC-MS/MS           | 0.050  |

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**The tenth batch of SVHC (X)**

| No. | Substance Name                                 | EC No.    | CAS No.    | Pretreatment Method | Measuring Instrument | RL (%) |
|-----|--|-----------|------------|---------------------|----------------------|--------|
| 145 | Cadmium sulfide **                             | 215-147-8 | 1306-23-6  | US EPA3050B:1996    | ICP-OES              | 0.010  |
| 146 | Di-n-hexylphthalate (DNHP)                     | 201-559-5 | 84-75-3    | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 147 | CI Direct red 28                               | 209-358-4 | 573-58-0   | US EPA 3550C:2007   | HPLC                 | 0.050  |
| 148 | CI Direct black 38                             | 217-710-3 | 1937-37-7  | US EPA 3550C:2007   | HPLC                 | 0.050  |
| 149 | Ethylene thiourea                              | 202-506-9 | 96-45-7    | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 150 | Lead acetate **                                | 206-104-4 | 301-04-2   | US EPA3050B:1996    | ICP-OES              | 0.010  |
| 151 | Phosphoric acid three (dimethylbenzene) esters | 246-677-8 | 25155-23-1 | US EPA 3550C:2007   | GC-MS                | 0.050  |

**The eleventh batch of SVHC (XI)**

| No. | Substance Name   | EC No.                  | CAS No.    | Pretreatment Method | Measuring Instrument | RL (%) |
|-----|--|-------------------------|------------|---------------------|----------------------|--------|
| 152 | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear | 271-093-5               | 68515-50-4 | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 153 | Cadmium chloride**   | 233-296-7               | 10108-64-2 | US EPA3050B:1996    | ICP-OES              | 0.010  |
| 154 | Sodium perborate**;<br>perboric acid, sodium salt**              | 239-172-9;<br>234-390-0 | -          | US EPA3050B:1996    | ICP-OES              | 0.010  |
| 155 | Sodium peroxometaborate**  | 231-556-4               | 7632-04-4  | US EPA3050B:1996    | ICP-OES              | 0.010  |

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**The twelfth batch of SVHC (XII)**

| No. | Substance Name  | EC No.    | CAS No.                   | Pretreatment Method | Measuring Instrument | RL (%) |
|-----|---|-----------|---------------------------|---------------------|----------------------|--------|
| 156 | 2-(2H-benzotriazol-2-yl)-4,6-di-tert-pentylphenol (UV-328)  | 247-384-8 | 25973-55-1                | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 157 | 2-(2'-Hydroxy-3',5'-di-tert-butylphenyl)benzotriazole (UV-320)  | 223-346-6 | 3846-71-7                 | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 158 | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate; DOTE   | 239-622-4 | 15571-58-1                | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 159 | Cadmium fluoride**  | 232-222-0 | 7790-79-6                 | US EPA3050B:1996    | ICP-OES              | 0.010  |
| 160 | Cadmium sulphate**  | 233-331-6 | 10124-36-4;<br>31119-53-6 | US EPA3050B:1996    | ICP-OES              | 0.010  |
| 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-stannate tradecanoate (reaction mass of DOTE and MOTE) | -         | -                         | US EPA 3550C:2007   | GC-MS                | 0.050  |

**The thirteenth batch of SVHC (XIII)**

| No. | Substance Name   | EC No.                 | CAS No.                  | Pretreatment Method | Measuring Instrument | RL (%) |
|-----|--|------------------------|--------------------------|---------------------|----------------------|--------|
| 162 | 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters;<br>1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5)   | 271-094-0<br>272-013-1 | 68515-51-5<br>68648-93-1 | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 163 | 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1];<br>5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2];<br>[covering any of the individual stereoisomers of [1] and [2] or any combination thereof] | -                      | -                        | US EPA 3550C:2007   | GC-MS                | 0.050  |

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## The fourteenth batch of SVHC (XIV)

| No. | Substance Name   | EC No.    | CAS No.                             | Pretreatment Method | Measuring Instrument | RL (%) |
|-----|--|-----------|-------------------------------------|---------------------|----------------------|--------|
| 164 | 1,3-propanesultone   | 214-317-9 | 1120-71-4                           | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 165 | 2,4-di-tert-butly-6-(5-chloro benzotriazol-2-yl)phenol (UV-327)  | 223-383-8 | 3864-99-1                           | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 166 | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)   | 253-037-1 | 36437-37-3                          | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 167 | Nitrobenzene   | 202-716-0 | 98-95-3                             | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 168 | Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9)-heptadecafluorononanoic acid and its sodium and ammonium salts | 206-801-3 | 375-95-1<br>21049-39-8<br>4149-60-4 | US EPA 3550C:2007   | HPLC-MS/MS           | 0.050  |

## The fifteenth batch of SVHC (XV)

| No. | Substance Name | EC No.    | CAS No. | Pretreatment Method | Measuring Instrument | RL (%) |
|-----|----------------|-----------|---------|---------------------|----------------------|--------|
| 169 | Benzo(a)pyrene | 200-028-5 | 50-32-8 | AfPS GS 2019:01 PAK | GC-MS                | 0.050  |

## The sixteenth batch of SVHC (XVI)

| No. | Substance Name   | EC No.                 | CAS No.                            | Pretreatment Method | Measuring Instrument | RL (%) |
|-----|--|------------------------|------------------------------------|---------------------|----------------------|--------|
| 170 | bisphenol A (BPA)  | 201-245-8              | 80-05-7                            | US EPA 3550C:2007   | HPLC-MS/MS           | 0.050  |
| 171 | 4-heptylphenol, branched and linear (4-HPbl)                         | --                     | --                                 | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 172 | nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts | 206-400-3<br>221-470-5 | 3108-42-7<br>335-76-2<br>3830-45-3 | US EPA 3550C:2007   | HPLC-MS/MS           | 0.050  |
| 173 | 4-tert-pentylphenol (PTAP)   | 201-280-9              | 80-46-6                            | US EPA 3550C:2007   | GC-MS                | 0.050  |

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**The seventeenth batch of SVHC (XVII)**

| No. | Substance Name  | EC No.    | CAS No.  | Pretreatment Method | Measuring Instrument | RL (%) |
|-----|---|-----------|----------|---------------------|----------------------|--------|
| 174 | Perfluorohexane-1-sulphonic acid and its salts(PFHxS) | 206-587-1 | 355-46-4 | US EPA 3550C:2007   | HPLC-MS/MS           | 0.050  |

**The eighteenth batch of SVHC (XVIII)**

| No. | Substance Name   | EC No.    | CAS No.    | Pretreatment Method | Measuring Instrument | RL (%) |
|-----|--|-----------|------------|---------------------|----------------------|--------|
| 175 | Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)   | --        | --         | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 176 | Benz(a)anthracene  | 200-280-6 | 56-55-3    | AfPS GS 2019:01 PAK | GC-MS                | 0.050  |
| 177 | Chrysene   | 205-923-4 | 218-01-9   | AfPS GS 2019:01 PAK | GC-MS                | 0.050  |
| 178 | Cadmium nitrate**  | 233-710-6 | 10325-94-7 | US EPA3050B:1996    | ICP-OES              | 0.010  |
| 179 | Cadmium carbonate**  | 208-168-9 | 513-78-0   | US EPA3050B:1996    | ICP-OES              | 0.010  |
| 180 | Cadmium hydroxide**  | 244-168-5 | 21041-95-2 | US EPA3050B:1996    | ICP-OES              | 0.010  |
| 181 | Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear] | --        | --         | US EPA 3550C:2007   | GC-MS                | 0.050  |

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**The nineteenth batch of SVHC (XIX)**

| No. | Substance Name   | EC No.    | CAS No.    | Pretreatment Method | Measuring Instrument | RL (%) |
|-----|--|-----------|------------|---------------------|----------------------|--------|
| 182 | Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) | 209-008-0 | 552-30-7   | US EPA 3550C:2007   | HPLC                 | 0.050  |
| 183 | Dicyclohexyl phthalate (DCHP)  | 201-545-9 | 84-61-7    | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 184 | Benzo[ghi]perylene   | 205-883-8 | 191-24-2   | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 185 | Decamethylcyclopentasiloxane (D5)                                      | 208-764-9 | 541-02-6   | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 186 | Disodium octaborate**  | 234-541-0 | 12008-41-2 | US EPA3050B:1996    | ICP-OES              | 0.010  |
| 187 | Dodecamethylcyclohexasiloxane (D6)                                     | 208-762-8 | 540-97-6   | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 188 | Lead   | 231-100-4 | 7439-92-1  | US EPA3050B:1996    | ICP-OES              | 0.010  |
| 189 | Octamethylcyclotetrasiloxane (D4)                                      | 209-136-7 | 556-67-2   | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 190 | Terphenyl hydrogenated   | 262-967-7 | 61788-32-7 | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 191 | Ethylenediamine  | 203-468-6 | 107-15-3   | US EPA 3550C:2007   | GC-MS                | 0.050  |

**The twentieth batch of SVHC (XX)**

| No. | Substance Name   | EC No.    | CAS No.                | Pretreatment Method | Measuring Instrument | RL (%) |
|-----|--|-----------|------------------------|---------------------|----------------------|--------|
| 192 | 1,7,7-trimethyl-3-(phenylmethylethylene)bicyclo[2.2.1]heptan-2-one | 239-139-9 | 15087-24-8             | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 193 | 2,2-bis(4'-hydroxyphenyl)-4-methylpentane                          | 401-720-1 | 6807-17-6              | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 194 | Benzo[k]fluoranthene   | 205-916-6 | 207-08-9               | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 195 | Fluoranthene   | 205-912-4 | 206-44-0<br>93951-69-0 | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 196 | Phenanthrene   | 201-581-5 | 85-01-8                | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 197 | Pyrene   | 204-927-3 | 129-00-0<br>1718-52-1  | US EPA 3550C:2007   | GC-MS                | 0.050  |

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## The twenty-first batch of SVHC (XXI)

| No. | Substance Name   | EC No.    | CAS No.  | Pretreatment Method | Measuring Instrument | RL (%) |
|-----|--|-----------|----------|---------------------|----------------------|--------|
| 198 | 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof) | --        | --       | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 199 | 2-methoxyethyl acetate   | 203-772-9 | 110-49-6 | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 200 | Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol branched and linear (4-NP)                                  | --        | --       | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 201 | 4-tert-butylphenol   | 202-679-0 | 98-54-4  | US EPA 3550C:2007   | GC-MS                | 0.050  |

## The twenty-second batch of SVHC (XXII)

| No. | Substance Name   | EC No.    | CAS No.     | Pretreatment Method | Measuring Instrument | RL (%) |
|-----|--|-----------|-------------|---------------------|----------------------|--------|
| 202 | 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone      | 404-360-3 | 119313-12-1 | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 203 | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one | 400-600-6 | 71868-10-5  | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 204 | Diisohexyl phthalate                                     | 276-090-2 | 71850-09-4  | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 205 | Perfluorobutane sulfonic acid (PFBS) and its salts       | --        | --          | US EPA 3550C:2007   | LC-MS/MS             | 0.050  |

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**The twenty-third batch of SVHC (XXIII)**

| No. | Substance Name                           | EC No.    | CAS No.    | Pretreatment Method | Measuring Instrument | RL (%) |
|-----|--|-----------|------------|---------------------|----------------------|--------|
| 206 | 1-vinylimidazole                         | 214-012-0 | 1072-63-5  | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 207 | 2-methylimidazole                        | 211-765-7 | 693-98-1   | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 208 | Butyl 4-hydroxybenzoate                  | 202-318-7 | 94-26-8    | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 209 | Dibutylbis(pentane-2,4-dione to-O,O')tin | 245-152-0 | 22673-19-4 | US EPA 3550C:2007   | GC-MS                | 0.050  |

**The twenty fourth batch of SVHC (XXIV)**

| No. | Substance Name  | EC No.    | CAS No.  | Pretreatment Method | Measuring Instrument | RL (%) |
|-----|---|-----------|----------|---------------------|----------------------|--------|
| 210 | bis(2-(2-methoxyethoxy) ethyl) ether  | 205-594-7 | 143-24-8 | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 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 | --        | --       | US EPA 3550C:2007   | GC-MS                | 0.050  |

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**The twenty fifth batch of SVHC (XXV)**

| No. | Substance Name   | EC No.                              | CAS No.   | Pretreatment Method | Measuring Instrument | RL (%) |
|-----|--|-------------------------------------|---|---------------------|----------------------|--------|
| 212 | 1,4-dioxane  | 204-661-8                           | 123-91-1  | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 213 | 2,2-bis(bromomethyl)propane<br>1,3-diol (BMP)<br>2,2-dimethylpropan-1-ol,<br>tribromo<br>derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol<br>(TBNPA)<br>2,3-dibromo-1-propanol<br>(2,3-DBPA) | 221-967-7<br>253-057-0<br>202-480-9 | 3296-90-0<br>36483-57-5<br>1522-92-5<br>96-13-9 | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 214 | 2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers   | --                                  | --  | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 215 | 4,4'-(1-methylpropylidene)bisphenol; (bisphenol B)   | 201-025-1                           | 77-40-7   | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 216 | Glutaral   | 203-856-5                           | 111-30-8  | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 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]            | --                                  | --  | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 218 | Orthoboric acid, sodium salt**   | 237-560-2                           | 13840-56-7                                      | US EPA3050B:1996    | ICP-OES              | 0.010  |
| 219 | Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/or combinations thereof (PDDP)   | --                                  | --  | US EPA 3550C:2007   | GC-MS                | 0.050  |

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**The twenty sixth batch of SVHC (XXVI)**

| No. | Substance Name   | EC No.    | CAS No.     | Pretreatment Method | Measuring Instrument | RL (%) |
|-----|--|-----------|-------------|---------------------|----------------------|--------|
| 220 | (±)-1.7.7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations there of (4-MBC)          | -         | -           | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 221 | 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)  | 204-327-1 | 119-47-1    | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 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 | 401-850-9 | 255881-94-8 | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 223 | tris(2-methoxyethoxy) vinylsilane  | 213-934-0 | 1067-53-4   | US EPA 3550C:2007   | GC-MS                | 0.050  |

**The twenty seventh batch of SVHC (XXVII)**

| No. | Substance Name              | EC No.    | CAS No.  | Pretreatment Method | Measuring Instrument | RL (%) |
|-----|-----------------------------|-----------|----------|---------------------|----------------------|--------|
| 224 | N-(hydroxymethyl)acrylamide | 213-103-2 | 924-42-5 | US EPA 3550C:2007   | GC-MS                | 0.050  |

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**The twenty eighth batch of SVHC (XXVIII)**

| No. | Substance Name  | EC No.    | CAS No.    | Pretreatment Method | Measuring Instrument | RL (%) |
|-----|---|-----------|------------|---------------------|----------------------|--------|
| 225 | 1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]  | 253-692-3 | 37853-59-1 | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 226 | 2,2',6,6'-tetrabromo-4,4'-Isopropylidenediphenol  | 201-236-9 | 79-94-7    | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 227 | 4,4'-sulphonyldiphenol  | 201-250-5 | 80-09-1    | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 228 | Barium diboron tetraoxide**   | 237-222-4 | 13701-59-2 | US EPA3050B:1996    | ICP-OES              | 0.010  |
| 229 | Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof  | —         | —          | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 230 | Isobutyl 4-hydroxybenzoate  | 224-208-8 | 4247-02-3  | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 231 | Melamine  | 203-615-4 | 108-78-1   | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 232 | Perfluoroheptanoic acid and its salts   | —         | —          | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 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 | 473-390-7 | —          | US EPA 3550C:2007   | GC-MS                | 0.050  |

**The twenty ninth batch of SVHC (XXIX)**

| No. | Substance Name                                  | EC No.    | CAS No.    | Pretreatment Method | Measuring Instrument | RL (%) |
|-----|---|-----------|------------|---------------------|----------------------|--------|
| 234 | bis(4-chlorophenyl) sulphone                    | 201-247-9 | 80-07-9    | US EPA 3550C:2007   | GC-MS                | 0.050  |
| 235 | Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | 278-355-8 | 75980-60-8 | US EPA 3550C:2007   | GC-MS                | 0.050  |

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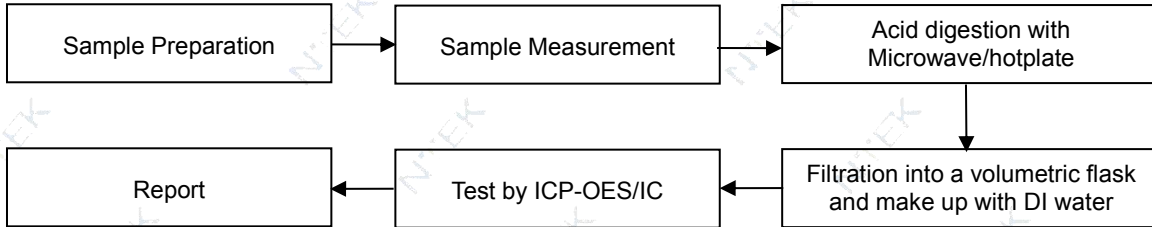
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**Operation Flow Chart:**

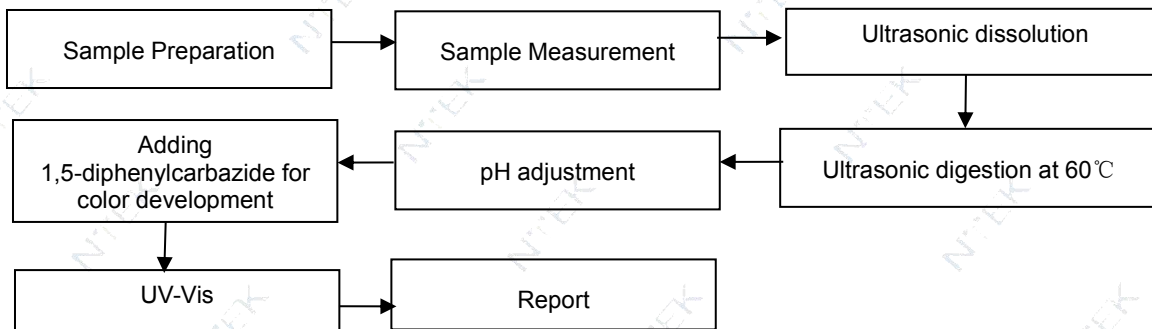
1. To determine Inorganic compounds:



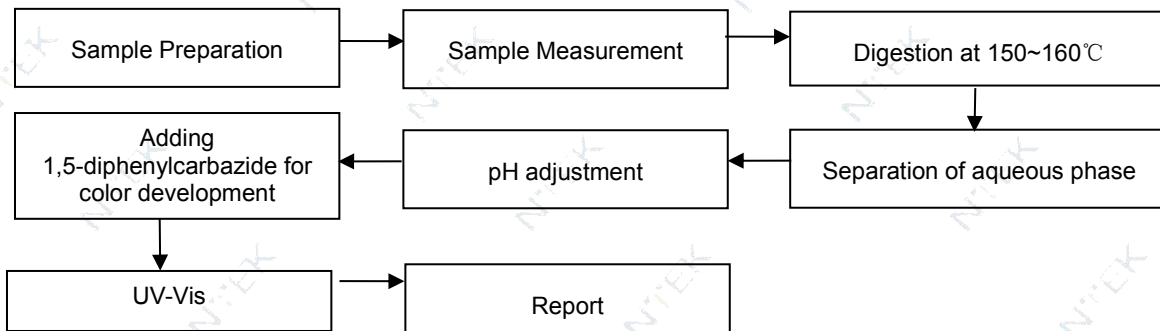
2. To determine Cr (VI):

Alkaline extraction:

ABS/PC/PVC:



Others:



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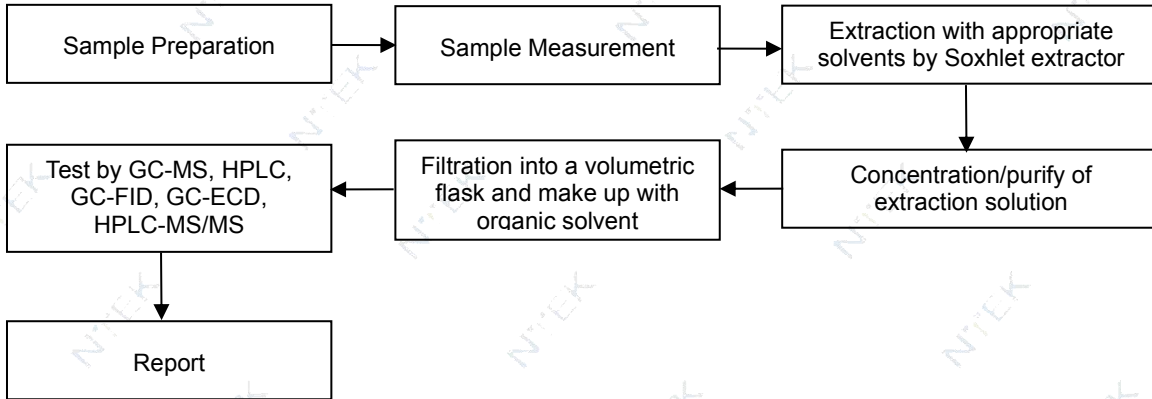
Tel: (+86-769) 23301666

Fax: (+86-769) 23301600

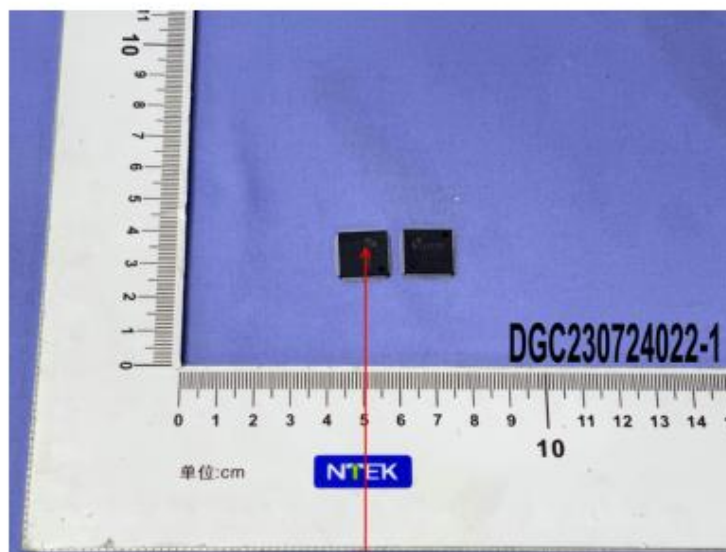
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3. To determine Organic compounds



**Photograph of Sample:**



1

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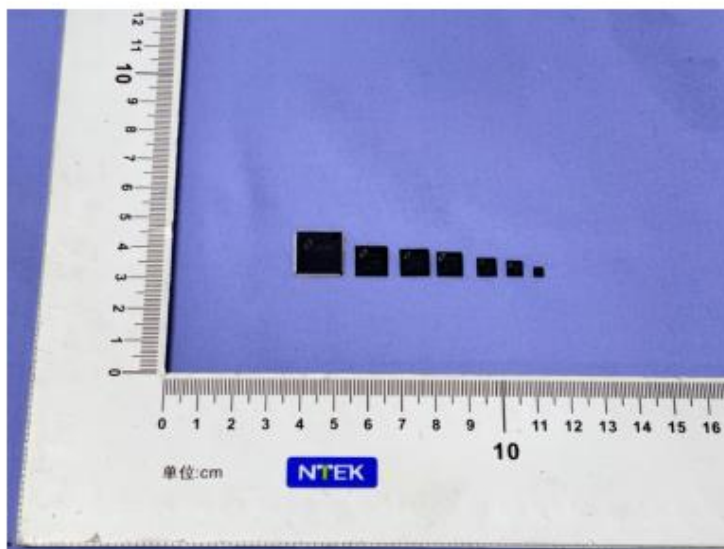
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Reference photo

\*\*\*End of Report\*\*\*

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