



Test Report

Report No.: DGC171222022P

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Applicant : ShenZhen Golden Trees Technology co.,Ltd

Address : No.3,NanTong Blvd,BaoLong Industrial area LongGang District,ShenZhen,China

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

Product Name : Colorful Silicone Night Lamp

Model : JL-309~325*, JL-210~219*

Lot No. : N/A

Manufacturer : ShenZhen Golden Trees Technology co.,Ltd

Address : No.3,NanTong Blvd,BaoLong Industrial area LongGang District,ShenZhen,China

Date of Sample Received : Dec. 22, 2017

Test period : Dec. 22, 2017 - Dec. 26, 2017

Test requested

As specified by client, In accordance with REACH Directive EC No 1907/2006, to determine the one hundred and seventy-four (174) 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.

Tested by:

George

Reviewed by:



Approved by:

Coby

Date:

Dec. 26, 2017

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Test Results (Unit: %):

Batch	Substance Name	CAS No.	Results (%)	RL (%)
			No.1	
VI	Aluminosilicate Refractory Ceramic Fibres (RCF)**	---	0.049	0.010
---	Other tested SVHC	---	N.D.	---

Batch	Substance Name	CAS No.	Results (%)	RL (%)
			No.2	
---	All tested SVHC	---	N.D.	---

Test Part Description:

No.1: Two material Non-metal material mixture test

No.2: Two material Metal material mixture 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 174 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) The test results or data in this report will be used only for education, scientific research, enterprise product development and internal quality control or other purposes.

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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 3540C:1996	GC-MS	0.050
3	Short Chain Chlorinated Paraffins	287-476-5	85535-84-8	US EPA 3540C:1996	GC-MS	0.050
4	Anthracene	204-371-1	120-12-7	AfPS GS 2014:01 PAK	GC-MS	0.050
5	Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	US EPA 3540C:1996	GC-MS	0.050
6	Bis (2-ethyl(hexyl)phthalate) (DEHP)	204-211-0	117-81-7	US EPA 3540C:1996	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 BS EN 14582:2016	ICP-OES&I 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 3540C:1996	GC-MS	0.050
12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified	247-148-4	25637-99-4 3194-55-6 (134237-50-6 134237-51-7 134237-52-8)	US EPA 3540C:1996	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& 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 3540C:1996	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 3540C:1996	GC-MS	0.050
23	Lead chromate**	231-846-0	7758-97-6	US EPA 3060A:1996; US EPA 3052:1996	ICP-OES& 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; US EPA 3052:1996	ICP-OES& UV-Vis	0.010
25	Lead sulfochromate yellow (C.I. Pigment Yellow 34) **	215-693-7	1344-37-2	US EPA 3060A:1996; US EPA 3052:1996	ICP-OES& 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 3540C:1996	GC-MS	0.050
28	Acrylamide	201-173-7	79-06-1	US EPA 3540C:1996	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 **	233-139-2 234-343-4	10043-35-3 11113-50-1	US EPA 3052:1996	ICP-OES	0.010
31	Disodium tetraborate, anhydrous **	215-540-4	1330-43-4 12179-04-3 1303-96-4	US EPA 3052:1996	ICP-OES	0.010
32	Potassium chromate **	232-140-5	7789-00-6	US EPA 3060A:1996; US EPA 3052:1996	ICP-OES& UV-Vis	0.010
33	Potassium dichromate **	231-906-6	7778-50-9	US EPA 3060A:1996; US EPA 3052:1996	ICP-OES& UV-Vis	0.010
34	Sodium chromate **	231-889-5	7775-11-3	US EPA 3060A:1996; US EPA 3052:1996	ICP-OES& 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 3540C:1996	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 3540C:1996	GC-MS	0.050
38	2-Methoxyethanol	203-713-7	109-86-4	US EPA 3540C:1996	GC-MS	0.050
39	Acids generated from chromium trioxide and their oligomers (Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid) **	231-801-5 236-881-5	7738-94-5 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 3540C:1996	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 3540C:1996	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 3540C:1996	GC-MS	0.050
48	1-methyl-2-pyrrolidone	212-828-1	872-50-4	US EPA 3540C:1996	GC-MS	0.050
49	2-ethoxyethyl acetate	203-839-2	111-15-9	US EPA 3540C:1996	GC-MS	0.050
50	Hydrazine	206-114-9	7803-57-8 302-01-2	US EPA 3540C:1996	GC-MS	0.050
51	Strontium chromate**	232-142-6	7789-6-2	US EPA 3060A:1996; US EPA 3052:1996	ICP-OES& 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 3540C:1996	GC-MS	0.050
53	2,2'-dichloro-4,4'-methylenedianiline	202-918-9	101-14-4	US EPA 3540C:1996	GC-MS	0.050
54	2-Methoxyaniline; o-Anisidine	201-963-1	90-04-0	US EPA 3540C:1996	GC-MS	0.050
55	4-(1,1,3,3-tetramethylbutyl) phenol, (4-tert-Octylphenol)	205-426-2	140-66-9	US EPA 3540C:1996	GC-MS	0.050
56	Aluminosilicate Refractory Ceramic Fibres (RCF)**	---	---	US EPA 3052:1996	ICP-OES	0.010
57	Arsenic acid**	231-901-9	7778-39-4	US EPA 3052:1996	ICP-OES	0.010
58	Bis(2-methoxyethyl) ether	203-924-4	111-96-6	US EPA 3540C:1996	GC-FID	0.050
59	Bis(2-methoxyethyl) phthalate (DMEP)	204-212-6	117-82-8	US EPA 3540C:1996	GC-MS	0.050
60	Calcium arsenate**	231-904-5	7778-44-1	US EPA 3052:1996	ICP-OES	0.010
61	Dichromium tris(chromate)**	246-356-2	24613-89-6	US EPA 3060A:1996; US EPA 3052:1996	ICP-OES& UV-Vis	0.010
62	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	500-036-1	25214-70-4	US EPA 3540C:1996	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 3540C:1996	GC-MS	0.050
67	Pentazinc chromate octahydroxide**	256-418-0	49663-84-5	US EPA 3060A:1996; US EPA 3052:1996	ICP-OES& UV-Vis	0.010
68	Phenolphthalein	201-004-7	77-09-8	US EPA 3540C:1996	GC-MS	0.050
69	Potassium hydroxyoctaoxodizincatedichromate**	234-329-8	11103-86-9	US EPA 3060A:1996; US EPA 3052:1996	ICP-OES& 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 3540C:1996	GC-FID	0.050
73	1,2-dimethoxyethane;ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	US EPA 3540C:1996	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 3540C:1996	GC-MS	0.050
75	β -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 3540C:1996	GC-MS	0.050
76	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	209-218-2	561-41-1	US EPA 3540C:1996	HPLC	0.050
77	bis(dimethylamino)benzophenone(Michler's ketone)	202-027-5	90-94-8	US EPA 3540C:1996	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 3540C:1996	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 3540C:1996	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 3540C:1996	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 3540C:1996	HPLC	0.050
84	α,α -Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	229-851-8	6786-83-0	US EPA 3540C:1996	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 3540C:1996	GC-MS	0.050
86	1,2-Diethoxyethane	211-076-1	629-14-1	US EPA 3540C:1996	GC-FID	0.050
87	1-bromopropane; n-propyl bromide	203-445-0	106-94-5	US EPA 3540C:1996	GC-MS	0.050
88	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	US EPA 3540C:1996	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 3540C:1996	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 3540C:1996	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 3540C:1996	GC-MS	0.050
101	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	204-650-8	123-77-3	US EPA 3540C:1996	GC-MS	0.050
102	Dibutyltin dichloride (DBT)	211-670-0	683-18-1	US EPA 3540C:1996	GC-MS	0.050
103	Diethyl sulphate	200-589-6	64-67-5	US EPA 3540C:1996	GC-MS	0.050
104	Diisopentylphthalate (DIPP)	210-088-4	605-50-5	US EPA 3540C:1996	GC-MS	0.050
105	Dimethyl sulphate	201-058-1	77-78-1	US EPA 3540C:1996	GC-MS	0.050
106	Dinoseb	201-861-7	88-85-7	US EPA 3540C:1996	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 3540C:1996	GC-MS	0.050
110	Henicosafuoroundecanoic acid	218-165-4	2058-94-8	US EPA 3540C:1996	HPLC	0.050
111	Heptacosafuorotetradecanoic acid	206-803-4	376-06-7	US EPA 3540C:1996	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 3540C:1996	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 3540C:1996	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; 1,2-epoxypropane; methyloxirane	200-879-2	75-56-9	US EPA 3540C:1996	GC-MS	0.050
122	N,N-dimethylformamide; dimethyl formamide	200-679-5	68-12-2	US EPA 3540C:1996	GC-MS	0.050
123	N-methylacetamide	201-182-6	79-16-3	US EPA 3540C:1996	GC-MS	0.050
124	N-pentyl-isopentylphthalate	-	-	US EPA 3540C:1996	GC-MS	0.050
125	o-aminoazotoluene	202-591-2	97-56-3	EN14362-1:2012	GC-MS	0.050
126	o-Toluidine; 2-Aminotoluene	202-429-0	95-53-4	EN14362-1:2012	GC-MS	0.050
127	Lead tetroxide (orange lead)**	215-235-6	1314-41-6	US EPA 3052:1996	ICP-OES	0.010
128	Pentacosfluorotridecanoic acid	276-745-2	72629-94-8	US EPA 3540C:1996	HPLC	0.050
129	Pentalead tetraoxide sulphate**	235-067-7	12065-90-6	US EPA 3052:1996	ICP-OES	0.010
130	Pyrochlore, antimony lead yellow**	232-382-1	8012-00-8	US EPA 3052:1996	ICP-OES	0.010
131	Silicic acid, barium salt, 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, 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 sulphate**	235-380-9	12202-17-4	US EPA 3052:1996	ICP-OES	0.010
136	Tricosfluorododecanoic acid	206-203-2	307-55-1	US EPA 3540C:1996	HPLC	0.050
137	Basic lead carbonate (trilead bis(carbonate)dihydroxide) **	215-290-6	1319-46-6	US EPA 3052:1996	ICP-OES	0.010
138	Trilead dioxide 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 3540C:1996	HPLC	0.050
140	Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1	US EPA 3540C:1996	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 3540C:1996	GC-MS	0.050
144	Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1	US EPA 3540C:1996	HPLC	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 3540C:1996	GC-MS	0.050
147	CI Direct red 28	209-358-4	573-58-0	US EPA 3540C:1996	HPLC	0.050
148	CI Direct black 38	217-710-3	1937-37-7	US EPA 3540C:1996	HPLC	0.050
149	Ethylene thiourea	202-506-9	96-45-7	US EPA 3540C:1996	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 3540C:1996	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 3540C:1996	GC-MS	0.050
153	Cadmium chloride**	233-296-7	10108-64-2	US EPA3050B:1996	ICP-OES	0.010
154	Sodium perborate**; perboric acid, sodium salt**	239-172-9; 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 3540C:1996	GC-MS	0.050
157	2-(2'-Hydroxy-3',5'-di-tert-butyl phenyl)benzotriazole (UV-320)	223-346-6	3846-71-7	US EPA 3540C:1996	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 3540C:1996	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; 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 3540C:1996	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; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	271-094-0 272-013-1	68515-51-5 68648-93-1	US EPA 3540C:1996	GC-MS	0.050
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]	-	-	US EPA 3540C:1996	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 3540C:1996	GC-MS	0.050
165	2,4-di-tert-butyl-6-(5-chloro benzotriazol-2-yl)phenol (UV-327)	223-383-8	3864-99-1	US EPA 3540C:1996	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 3540C:1996	GC-MS	0.050
167	Nitrobenzene	202-716-0	98-95-3	US EPA 3540C:1996	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 21049-39-8 4149-60-4	US EPA 3540C:1996	GC-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 2014:01 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 3540C:1996	GC-MS	0.050
171	4-heptylphenol, branched and linear (4-HPbl)	--	--	US EPA 3540C:1996	GC-MS	0.050
172	nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	206-400-3 221-470-5	3108-42-7 335-76-2 3830-45-3	US EPA 3540C:1996	GC-MS	0.050
173	4-tert-pentylphenol (PTAP)	201-280-9	80-46-6	US EPA 3540C:1996	GC-MS	0.050

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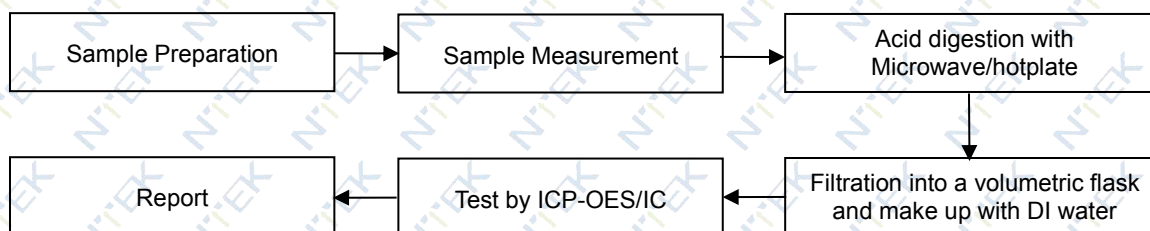
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The seventeenth batch of SVHC (XVII)

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 3540C:1996	HPLC-MS-MS	0.050

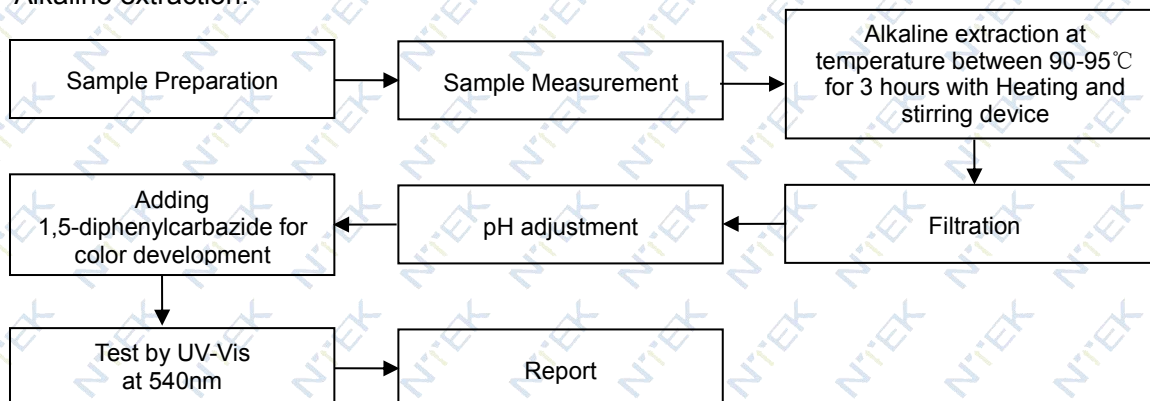
Operation Flow Chart:

1. To determine Inorganic compounds:



2. To determine Cr⁶⁺:

Alkaline extraction:



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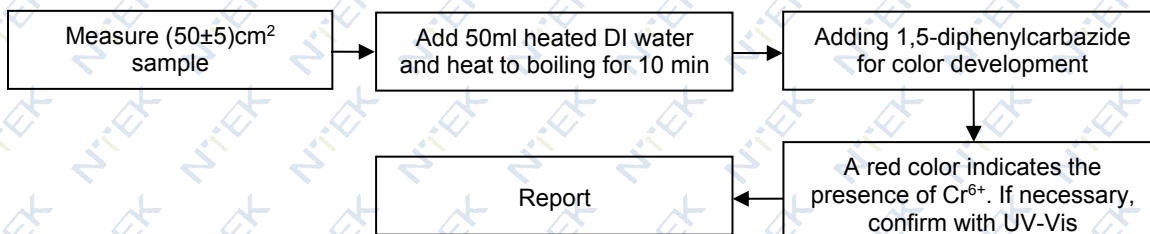
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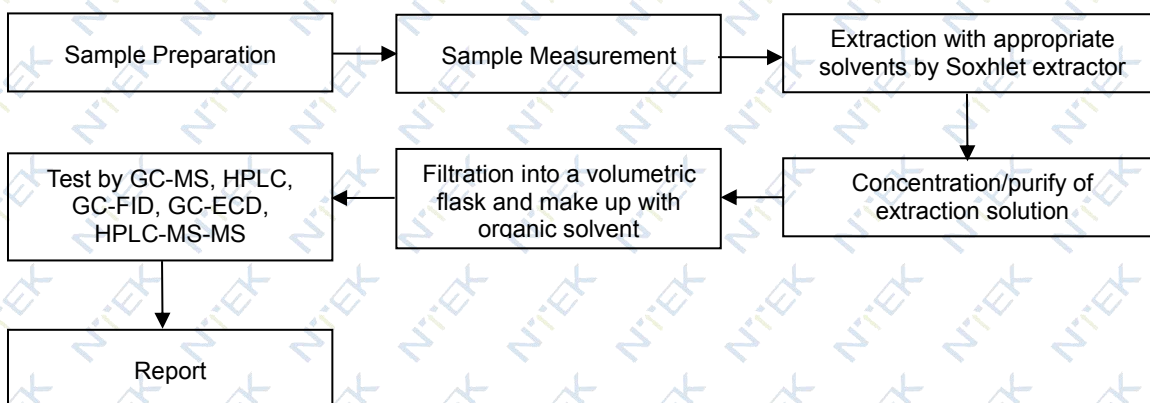
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Boiling-water-extraction:



3. To determine Organic compounds



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Photograph of Sample:



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Appendix

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