

# Test Report (SVHC-REACH)

Report No.: SHSX180824001

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Applicant: Zhejiang Zhenghao Plastic Co.,Ltd.

Add: Shangwu Industiral Area, Liushi Town, Yueqing County, Wenzhou, Zhejiang

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

Sample Name: Nylon Cable Ties

Date Received: Aug,15 2018

Test Period: Aug,20 2018 to Aug,24 2018

Test Requested: As requested by client, SVHC screening is performed according to:  
i)One hundred and sixty-eight (191) substances in the Candidate List of Substances of Very High Concern(SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Jun 27, 2018 regarding Regulation (EC) No 1907/2006 concerning the REACH.

Test Method: Analyzed by ICP-OES, SEM-EDS, UV-Vis, IC, HPLC,GC-MS and LC-MS-MS.

Test Result: Please refer to next page(s)

Summary:	According to the analytical results, concentrations of 191 SVHC substances are $\leq 0.1\%$ (w/w) in the submitted sample(s).	PASS
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For and on behalf of  
Shanghai Shangxun Testing Technology Co.,Ltd

Engineer:



Norris Wu

Authorized Signature:



Norris Wu

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### **Remark:**

- (1) The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA:  
<http://echa.europa.eu/web/guest/candidate-list-table> These lists are under evaluation by ECHA and may subject to change in the future.
- (2) In accordance with Regulation (EC) No 1907/2006, any EU producer or importer of articles shall all 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 (a) the substance in the Candidate List is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance in the Candidate List is present in those articles above a concentration of 0.1% weight by weight (w/w).
- (3) 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 in the Candidate List.
- (4) Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogenous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article.
- (5) If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No.1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.
- (6) If a SVHC is found over 0.1% (w/w) and/or the specific concentration limit which is set in Regulation (EC) No 1272/2008 and No 790/2009, client is suggested to prepare a Safety Data Sheet (SDS) against the SVHC to comply with the supply chain communication obligation under Regulation (EC) No 1907/2006, in which:
  - a substance that is classified as hazardous under the CLP Regulation (EC) No 1272/2008.
  - a mixture that is classified as dangerous according Dangerous Preparations Directive 1999/45/EC or classified as hazardous under the CLP Regulation (EC) No 1272/2008, when their concentrations are equal to, or greater than, those defined in the Article 3(3) of 1999/45/EC or the lower values given in Part 3 of Annex VI of Regulation (EC) No. 1272/2008;
  - or - a mixture is not classified as dangerous under Directive 1999/45/EC, but contains either:

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- (a) a substance posing human health or environmental hazards in an individual concentration of  $\geq 1\%$  by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures) or  $\geq 0.2\%$  by volume for gaseous mixtures; or
  - (b) a substance that is PBT, or vPvB in an individual concentration of  $\geq 0.1\%$  by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures); or
  - (c) a substance on the SVHC candidate list (for reasons other than those listed above), in an individual concentration of  $\geq 0.1\%$  by weight for non-gaseous mixtures; or
  - (d) a substance for which there are Europe-wide workplace exposure limits.
- (7) If a SVHC is found over the reporting limit, client is suggested to identify the component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

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					001	002
I	1	4,4' - Diaminodiphenylmethane	101-77-9	0.050	N.D.	
I	2	5-tert-butyl-2,4,6-trinitro-m-xylene(Musk Xylene)	81-15-2	0.050	N.D.	
I	3	Alkanes, C10-13, chloro (Short ChainChlorinated Paraffins)	85535-84-8	0.050	N.D.	
I	4	Anthracene	120-12-7	0.050	N.D.	
I	5	Butyl benzyl phthalate	85-68-7	0.050	N.D.	
I	6	Bis (2-ethyl(hexyl) phthalate) (DEHP)	117-81-7	0.050	N.D.	
I	7	Bis(tributyltin)oxide (TBTO)	56-35-9	0.050	N.D.	
I	8	Cobalt dichloride*	7646-79-9	0.005	N.D.	
I	9	Diarsenic pentaoxide*	1303-28-2	0.005	N.D.	
I	10	Diarsenic trioxide*	1327-53-3	0.005	N.D.	
I	11	Dibutyl phthalate	84-74-2	0.050	N.D.	
I	12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified ( $\alpha$ -HBCDD, $\beta$ -HBCDD, $\gamma$ -HBCDD)	25637-99-4 3194-55-6	0.050	N.D.	
I	13	Lead hydrogen arsenate*	7784-40-9	0.005	N.D.	
I	14	Sodium dichromate*	7789-12-0 10588-01-9	0.005	N.D.	
II	15	Triethyl arsenate*	15606-95-8	0.005	N.D.	
II	16	2,4-Dinitrotoluene	121-14-2	0.050	N.D.	
II	17	Acrylamide	79-06-1	0.050	N.D.	
II	18	Anthracene oil*	90640-80-5	0.050	N.D.	
II	19	Anthracene oil, anthracene paste	90640-81-6	0.050	N.D.	
II	20	Anthracene oil, anthracenepaste, anthracene fraction*	91995-15-2	0.050	N.D.	
II	21	Anthracene oil, anthracene paste, distn.Lights*	91995-17-4	0.050	N.D.	
II	22	Anthracene oil, anthracene-low*	90640-82-7	0.050	N.D.	
II	23	(Di-isobutyl phthalate)	84-69-5	0.050	N.D.	
II	24	Lead chromate*	7758-97-6	0.050	N.D.	
II	25	Lead chromate molybdate sulphate red(C.I. Pigment Red 104) *	12656-85-8	0.005	N.D.	
II	26	Lead sulfochromate yellow (C.I. Pigment Yellow 34) *	1344-37-2	0.005	N.D.	

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					001	002
II	27	Pitch, coal tar, high-temp *	65996-93-2	0.005	N.D.	
II	28	Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	0.050	N.D.	
III	29	Ammonium dichromate*	7789-09-5	0.005	N.D.	
III	30	Boric acid*	10043-35-3 11113-50-1	0.005	N.D.	
III	31	Disodium tetraborate, anhydrous*	1303-96-4 1330-43-4 12179-04-3	0.005	N.D.	
III	32	Potassium chromate*	7789-00-6	0.005	N.D.	
III	33	Potassium dichromate*	7778-50-9	0.005	N.D.	
III	34	Sodium chromate*	7775-11-3	0.005	N.D.	
III	35	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	0.005	N.D.	
III	36	richloroethylene	79-01-6	0.050	N.D.	
IV	37	2-Ethoxyethanol	110-80-5	0.050	N.D.	
IV	38	2-Methoxyethanol	109-86-4	0.050	N.D.	
IV	39	Acids generated from chromium trioxide and their oligomers: Chromic acid*	7738-94-5 - 13530-68-2	0.005	N.D.	
IV	40	Chromium trioxide*	1333-82-0	0.005	N.D.	
IV	41	Cobalt(II) carbonate*	513-79-1	0.005	N.D.	
IV	42	Cobalt(II) diacetate*	71-48-7	0.005	N.D.	
IV	43	Cobalt(II) dinitrate*	10141-05-6	0.005	N.D.	
IV	44	Cobalt(II) sulphate*	10124-43-3	0.005	N.D.	
V	45	1,2,3-trichloropropane	96-18-4	0.050	N.D.	
V	46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	0.050	N.D.	
V	47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	0.050	N.D.	
V	48	1-methyl-2-pyrrolidone	872-50-4	0.050	N.D.	
V	49	2-ethoxyethyl acetate	111-15-9	0.050	N.D.	
V	50	Hydrazine	7803-57-8 302-01-2	0.050	N.D.	
V	51	Strontium chromate*	7789-06-2	0.005	N.D.	
VI	52	1,2-Dichloroethane	107-06-2	0.050	N.D.	

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VI	53	2,2'-dichloro- 4,4'-methylenedianiline	101-14-4	0.050	N.D.	
VI	54	2-Methoxyaniline; o-Anisidine	90-04-0	0.050	N.D.	
VI	55	4-(1,1,3,3-tetramethylbutyl) phenol,(4-tert-Octylphenol)	140-66-9	0.050	N.D.	
VI	56	Aluminosilicate, Refractory Ceramic Fibres oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges***	650-017-00-8 (Index no.)	0.005	N.D.	
VI	57	Arsenic acid*	7778-39-4	0.005	N.D.	
VI	58	Bis(2-methoxyethyl) ether	111-96-6	0.050	N.D.	
VI	59	Bis(2-methoxyethyl) phthalate	117-82-8	0.050	N.D.	
VI	60	Calcium arsenate*	7778-44-1	0.005	N.D.	
VI	61	Dichromium tris (chromate) *	24613-89-6	0.005	N.D.	
VI	62	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	0.050	N.D.	
VI	63	Lead diazide, Lead azide*	13424-46-9	0.005	N.D.	
VI	64	Lead dipicrate*	6477-64-1	0.005	N.D.	
VI	65	Lead styphnate*	15245-44-0	0.005	N.D.	
VI	66	N,N-dimethylacetamide	127-19-5	0.050	N.D.	
VI	67	Pentazinc chromate octahydroxide*	49663-84-5	0.005	N.D.	
VI	68	Phenolphthalein	77-09-8	0.050	N.D.	
VI	69	Potassium hydroxyoctaoxodizincatedi-chromate*	11103-86-9	0.005	N.D.	
VI	70	Trilead diarsenate*	3687-31-8	0.005	N.D.	
VI	71	Zirconia Aluminosilicate, Refractory Ceramic Fibres oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges ***	650-017-00-8 (Index no.)	0.005	N.D.	
VII	72	[4-[[4-anilino-1-naphthyl] [4-(dimethylamino)phenyl]methylene ]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5	0.050	N.D.	

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					001	002
VII	73	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9	0.050	N.D.	
VII	74	1,2-bis (2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2	0.050	N.D.	
VII	75	1,2-dimethoxyethane; ethylene glycol dimethylether (EGDME)	110-71-4	0.050	N.D.	
VII	76	4,4'-bis(dimethylamino) benzophenone (Michler's ketone)	90-94-8	0.050	N.D.	
VII	77	4,4'-bis(dimethylamino)-4''-(methyldimino) trityl alcohol	561-41-1	0.050	N.D.	
VII	78	Diboron trioxide*	1303-86-2	0.005	N.D.	
VII	79	Formamide	75-12-7	0.050	N.D.	
VII	80	Lead(II) bis(methanesulfonate) *	17570-76-2	0.005	N.D.	
VII	81	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	0.050	N.D.	
VII	82	TGIC(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	0.050	N.D.	
VII	83	$\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I.Solvent Blue 4)	6786-83-0	0.050	N.D.	
VII	84	$\beta$ -TGIC (1,3,5-tris [(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	0.050	N.D.	
VIII	85	[Phthalato(2-)] dioxotrilead*	69011-06-9	0.005	N.D.	
VIII	86	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.050	N.D.	
VIII	87	1,2-Diethoxyethane	629-14-1	0.050	N.D.	
VIII	88	1-bromopropane	106-94-5	0.050	N.D.	
VIII	89	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	0.050	N.D.	
VIII	90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated-covering well-defined substances and UVCB substances, polymers and homologues	-	0.050	N.D.	

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VIII	91	4,4'-methylenedi-o-toluidine	838-88-0	0.050	N.D.	
VIII	92	4,4'-oxydianiline and its salts	101-80-4	0.050	N.D.	
VIII	93	4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3	0.050	N.D.	
VIII	94	4-methyl-m-phenylenediamine(2,4-to luen diamine)	95-80-7	0.050	N.D.	
VIII	95	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 ell-defined substances which include any of the individual isomers or a combination thereof	-	0.050	N.D.	
VIII	96	6-methoxy-m-toluidine (p-cresidine)	120-71-8	0.050	N.D.	
VIII	97	Acetic acid, lead salt, basic*	51404-69-4	0.005	N.D.	
VIII	98	Biphenyl-4-ylamine	92-67-1	0.050	N.D.	
VIII	99	Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.050	N.D.	
VIII	100	Cyclohexane-1,2-dicarboxylic anhydride (HHPA), cis-cyclohexane-1,2- dicarboxylic anhydride, trans-cyclohexane-1,2- dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	85-42-7 13149-00-3 14166-21-3	0.050	N.D.	
VIII	101	Diazeno-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	0.050	N.D.	
VIII	102	Dibutyltin dichloride (DBTC)	683-18-1	0.050	N.D.	
VIII	103	Diethyl sulphate	64-67-5	0.050	N.D.	
VIII	104	Diisopentylphthalate	605-50-5	0.050	N.D.	
VIII	105	Dimethyl sulphate	77-78-1	0.050	N.D.	
VIII	106	Dinoseb	88-85-7	0.050	N.D.	
VIII	107	Dioxobis(stearato) trilead*	12578-12-0	0.005	N.D.	
VIII	108	Fatty acids, C16-18, lead salts*	91031-62-8	0.005	N.D.	
VIII	109	Furan	110-00-9	0.050	N.D.	
VIII	110	Henicosfluoroundecanoic acid	2058-94-8	0.050	N.D.	
VIII	111	Heptacosfluorotetradecanoic acid	376-06-7	0.050	N.D.	

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VIII	112	Hexahydromethylphthalic anhydride Hexahydro-4-methylphthalic anhydride Hexahydro-1-methylphthalic anhydride Hexahydro-3-methylphthalic anhydride	25550-51-0 19438-60-9 48122-14-1 57110-29-9	0.050	N.D.	
VIII	113	Lead bis(tetrafluoroborate) *	13814-96-5	0.005	N.D.	
VIII	114	Lead cyanamidate*	20837-86-9	0.005	N.D.	
VIII	115	Lead dinitrate*	10099-74-8	0.005	N.D.	
VIII	116	Lead oxide (lead monoxide) *	1317-36-8	0.005	N.D.	
VIII	117	Lead oxide sulfate*	12036-76-9	0.005	N.D.	
VIII	118	Lead tetroxide (orange lead) *	1314-41-6	0.005	N.D.	
VIII	119	Lead titanium trioxide*	12060-00-3	0.005	N.D.	
VIII	120	Lead Titanium Zirconium Oxide*	12626-81-2	0.005	N.D.	
VIII	121	Methoxy acetic acid	625-45-6	0.050	N.D.	
VIII	122	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	0.050	N.D.	
VIII	123	N,N-dimethylformamide; dimethyl formamide	68-12-2	0.050	N.D.	
VIII	124	N-methylacetamide	79-16-3	0.050	N.D.	
VIII	125	N-pentyl-isopentylphthalate	776297-69-9	0.050	N.D.	
VIII	126	o-aminoazotoluene	97-56-3	0.050	N.D.	
VIII	127	o-Toluidine; 2-Aminotoluene	95-53-4	0.050	N.D.	
VIII	128	Pentacosafuorotridecanoic acid	72629-94-8	0.050	N.D.	
VIII	129	Pentalead tetraoxide sulphate*	12065-90-6	0.005	N.D.	
VIII	130	Pyrochlore, antimony lead yellow*	8012-00-8	0.005	N.D.	
VIII	131	Silicic acid, barium salt, lead-doped*	68784-75-8	0.005	N.D.	
VIII	132	Silicic acid, lead salt*	11120-22-2	0.005	N.D.	
VIII	133	Sulfurous acid, lead salt, dibasic*	62229-08-7	0.005	N.D.	
VIII	134	Tetraethyllead*	78-00-2	0.005	N.D.	
VIII	135	Tetralead trioxide sulphate*	12202-17-4	0.005	N.D.	
VIII	136	Tricosafuorododecanoic acid	307-55-1	0.050	N.D.	
VIII	137	Trilead bis(carbonate) dihydroxide (basic lead carbonate) *	1319-46-6	0.005	N.D.	
VIII	138	Trilead dioxide phosphonate*	12141-20-7	0.005	N.D.	

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Batch	No.	Test Items	CAS No.	RL(%)	Results	
					001	002
IX	139	4-Nonylphenol, branched and linear, ethoxylated	-	0.050	N.D.	
IX	140	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	0.050	N.D.	
IX	141	Cadmium oxide*	1306-19-0	0.005	N.D.	
IX	142	Cadmium (Cd) *	7440-43-9	0.005	N.D.	
IX	143	DPP (Di-pentyl phthalate)	131-18-0	0.050	N.D.	
IX	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	0.050	N.D.	
X	145	Cadmium sulphide*	1306-23-6	0.005	N.D.	
X	146	Diethyl phthalate	84-75-3	0.050	N.D.	
X	147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	0.050	N.D.	
X	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	0.050	N.D.	
X	149	Imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7	0.050	N.D.	
X	150	Lead di(acetate) *	301-04-2	0.005	N.D.	
X	151	Triethyl phosphate	25155-23-1	0.050	N.D.	
XI	152	1,2-Benzenedicarboxylic acid, diethyl ester, branched and linear	68515-50-4	0.050	N.D.	
XI	153	Cadmium chloride*	10108-64-2	0.005	N.D.	
XI	154	Sodium perborate; perboric acid, sodium salt *	-	0.005	N.D.	
XI	155	Sodium peroxometaborate*	7632-04-4	0.050	N.D.	
XII	156	2-(2H-benzotriazol-2-yl)-4,6-ditertphenol	25973-55-1	0.050	N.D.	
XII	157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	0.050	N.D.	
XII	158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	0.050	N.D.	
XII	159	Cadmium fluoride*	7790-79-6	0.005	N.D.	

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Batch	No.	Test Items	CAS No.	RL(%)	Results	
					001	002
XII	160	Cadmium sulphate*	10124-36-4 31119-53-6	0.005	N.D.	
XII	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)	-	0.050	N.D.	
XIII	162	1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters	68515-51-5 68648-93-1	0.050	N.D.	
XIII	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 isomers of [1] and [2] or any combination thereof]	-	0.050	N.D.	
XIV	164	1,2-oxathrolane2,2-dioxide	98-95-3	0.050	N.D.	
XIV	165	2-(2'-hydroxy-3',5'-ditertbutylphenyl)-5-chloro-benzotriazole (UV-327)	3864-99-1	0.050	N.D.	
XIV	166	2-(5-Chloro-2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)-phenol (UV-350)	36437-37-3	0.050	N.D.	
XIV	167	Nitrobenzene	1120-71-4	0.050	N.D.	
XIV	168	Perfluorononan-1-oic acid	375-95-1 21049-39-8 4149-60-4	0.050	N.D.	
XV	169	Benzo[A] pyrene	50-32-8	0.050	N.D.	
XVI	170	4,4'-Isopropylidenedi phenol (Bisphenol A)	80-05-7	0.050	N.D.	
XVI	171	p-(1,1-Dimethylpropyl)phenol	80-46-6	0.050	N.D.	
XVI	172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2 3830-45-3 3108-42-7	0.050	N.D.	

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Batch	No.	Test Items	CAS No.	RL(%)	Results	
					001	002
XVI	173	4-Heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	-	0.050	N.D.	
XVII	174	perfluorohexane-1-sulphonic acid	206-587-1	0.050	N.D.	
XVIII	175	Dodecachloropentacycl[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene("De chlorane Plue" <sup>TM</sup> )[covering any its individual anti-and syn-isomers or any combination thereof]	13560-89-9 135821-74-8 135821-03-3	0.050	N.D.	
XVIII	176	Benz[a]anthracene	56-55-3	0.050	N.D.	
XVIII	177	Cadmium nitrate*	10325-94-7	0.050	N.D.	
XVIII	178	Cadmium carbonate*	513-78-0	0.050	N.D.	
XVIII	179	Cadmium hydroxide*	21041-95-2	0.050	N.D.	
XVIII	180	Chrysene*	218-01-9	0.050	N.D.	
XVIII	181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione,for maldehyde and 4-heptylphenol,branched and linear (RP-HP)[with $\geq 0.1\%$ w/w 4-heptylphenol, branched and linear]	-	0.050	N.D.	
XIX	182	Octamethyl cyclotetrasiloxane (D4)	556-67-2	0.050	N.D.	
XIX	183	Decamethylcyclopentasiloxane (D5)	541-02-6	0.050	N.D.	
XIX	184	Dedecamethylcyclohexasiloxane(D6)	540-97-6	0.050	N.D.	
XIX	185	Lead	7439-92-1	0.050	N.D.	
XIX	186	Disodium octaborate	12008-41-2	0.050	N.D.	
XIX	187	1,12-benzoperylene	191-24-2	0.050	N.D.	
XIX	188	Hydrogenated terphenyls	61788-32-7	0.050	N.D.	
XIX	189	Ethylenediamine (EDA)	107-15-3	0.050	N.D.	
XIX	190	Benzene-1,2,4-tricarboxylic acid 1,2-anhydride(trimellitic anhydride)	552-30-7	0.050	N.D.	
XIX	191	Dicyclohexyl phthalate (DCHP)	84-61-7	0.050	N.D.	

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Not:

1. The table above only shows detected SVHC, and SVHC that below RL are not reported. Please refer to Appendix for the full list of tested SVHC.
2. RL = Reporting Limit. All RL are based on homogenous material.  
ND = Not detected (lower than RL), ND is denoted on the SVHC substance.
3. Δ CAS No. of diastereoisomers identified ( $\alpha$ -HBCDD,  $\beta$ -HBCDD,  $\gamma$ -HBCDD): 134237-50-6, 134237-51-7, 134237-52-8.  
☆ CAS No. of Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride: 2555-0-51-0, 19438-60-9, 48122-14-1, 57110-29-9; EC No. of those: 247-094-1, 243-072-0, 256-356-4, 260-566-1
4. \*The test result is based on the calculation of selected element(s) / marker(s) and to the worst-case scenario.  
Calculated concentration of boric compounds are based on the water extractive boron by ICP-OES.  
RL = 0.005% is evaluated for element (i.e. cobalt, arsenic, lead, chromium (VI), aluminum, zirconium, boron, strontium, zinc, antimony, cadmium, titanium and barium respectively), except molybdenum RL=0.0005%, boron RL=0.0025% (only for Lead bis(tetrafluoroborate)).
5. § The substance is proposed for the identification as SVHC only where it contains Michler's ketone (CAS Number: 90-94-8) or Michler's base (CAS Number: 101-61-1)  $\geq$  0.1% (w/w).

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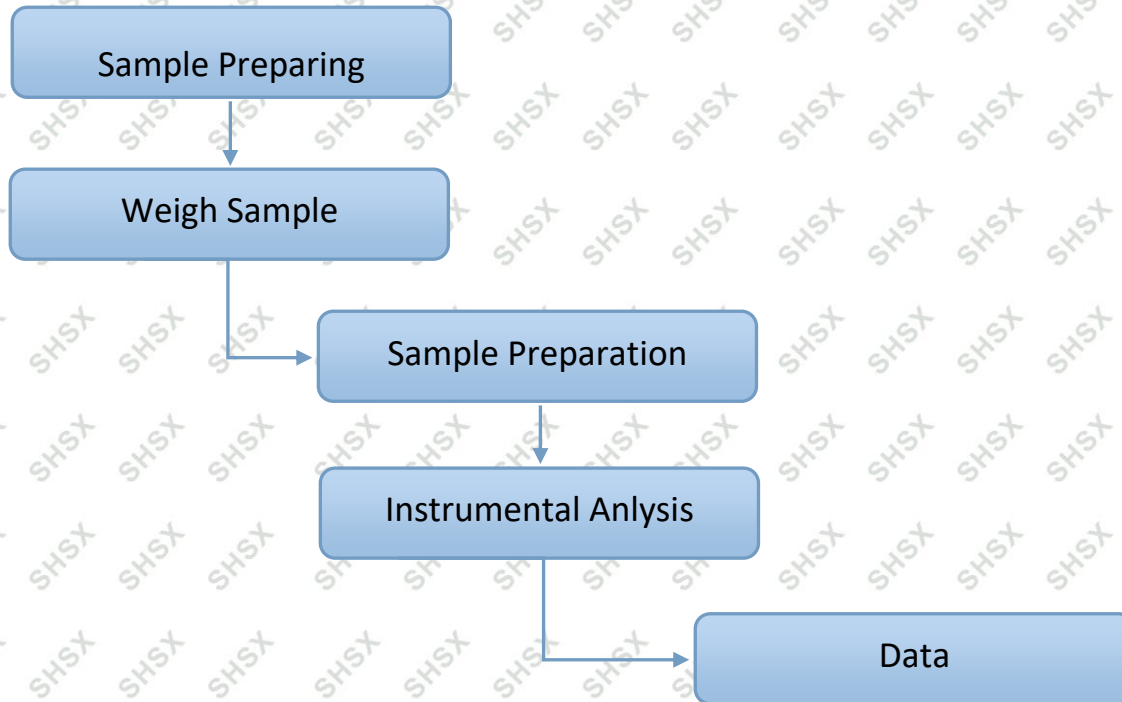
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## Attachments:

### SVHC Testing Flow Chart



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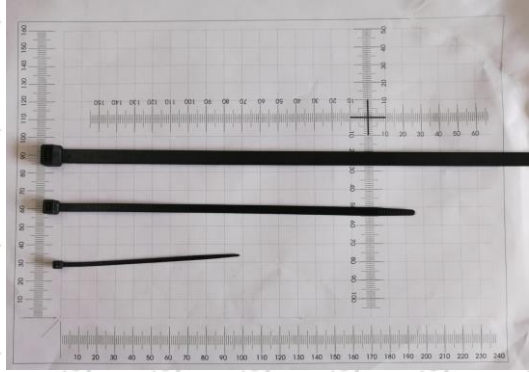
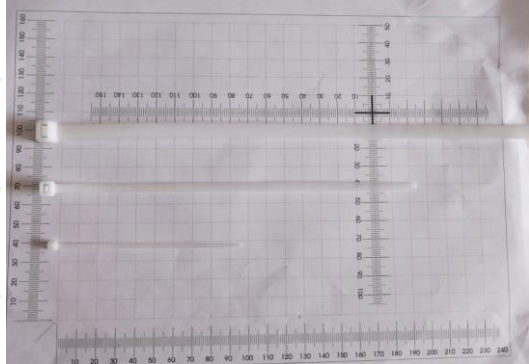


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## Description of the tested subject:

Item No.:	Description	Picture
001	Nylon Cable Ties-Black	
002	Nylon Cable Ties-White	

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

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