



**Test Report
(SVHC)**

No.: KB2406078/CHEM

Date: Jun 17, 2024

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Name and address of Applicant : Nantong Xinliang Sporting Goods Manufacturing Co., LTD
No.1-1, Group 1, Dongjin Village, Xiangyang Town, Qidong City,
Nantong City, Jiangsu Province

Name and address of Manufacturer : Same as applicant

The following sample was/were submitted and identified on behalf of the applicant as:

Sample Description : Training Ball

Trademark : n.a.

Sample Model No. : A13

Date of Sample Received : Jun 12, 2024

Testing Period : Jun 13 to Jun 17, 2024

Test Requested : As requested by the applicant, SVHC screening is performed according to:
Two hundred and forty (240) substances in the Candidate List of
Substances of Very High Concern (SVHC) for authorization published
by European Chemicals Agency (ECHA) on and before January 23, 2024
regarding Regulation (EC) No 1907/2006 concerning the REACH.

Test Results : Please refer to next pages.

Summary :

According to the specified scope and evaluation screening, the test results of SVHC are $\leq 0.1\%$ (w/w) in the articles of the submitted sample.	PASS
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Signed for and on behalf of
Shenzhen KTS Testing Services Ltd


Steven Gwok
Approved signatory

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Sample Description:

Specimen No.	Description	Claimed characteristic by the manufacturer
M01	Inner Layer	Nature rubber 40% + clay 45% + sulfur 5% + zinc oxide 5% + accelerant 5%
M02	Outer Layer	Polyester

Test Results: (Substances in the Candidate List of SVHC)

No.	Substance Name	Result (ppm)		Sum (%w/w)
		M01	M02	
1-240	All tested SVHC in candidate list	N.D.	N.D.	N.D.

Remarks:

N.D. = Not detected (lower than report limit), N.D. is denoted on the SVHC substance.

ppm = Parts per million = mg/kg

Sum (% w/w) = $\sum X_i(\text{ppm}) \times W_i(\text{g}) / W_T(\text{g}) \times 10000$

X_i = Content in component (i = M01...M02)

W_i = Weight of component (i = M01...M02)

W_T = Weight of submitted sample

Notes:

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 reporting limit are based on homogenous material.
3. 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)).
4. Calculated concentration of boric compounds are based on the water extractive boron by ICP-OES.
5. Δ CAS No. of diastereoisomers identified (α -HBCDD, β -HBCDD, γ -HBCDD): 134237-50-6, 134237-51-7, 134237-52-8.
6. \S 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).
7. Composite test has been performed in equal proportion for the components/material per client requested. And the result is calculated using the minimum sample weight.
8. In consideration of the analysis requirement and the limit of sample volume, the screening test for the article is based on components / material enough to test.
9. NA[^] = Upon further test verification on the specific detected element(s) of SVHC and also information provided from client, the possibility that the element(s) content originate from SVHC is very unlikely, even though their presence cannot be excluded entirely. It may be assumed that the detected element(s) have a non-SVHC source.
10. Test Method: By in-house method, a) Acid digestion or aqueous extraction methods were used and the relevant elements were determined by ICP-OES; b) Further confirmation test was performed by UV-Vis (non-metal part) or spot test (metal part) for Cr6+; c) Solvent extraction method was used for semi-volatile and non-volatile organic compounds and the relevant compounds were determined by GC-MS, GC-ECD, HPLC-DAD or LC-MS-MS.

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Appendix: Full list of tested SVHC

Batch	No.	Substance Name	CAS No.	RL (%)
1st SVHC in the Candidate List (2008.10)				
I	1	4,4' -Diaminodiphenylmethane (MDA)	101-77-9	0.05
I	2	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	0.05
I	3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	0.05
I	4	Anthracene	120-12-7	0.05
I	5	Benzyl butyl phthalate (BBP)	85-68-7	0.05
I	6	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	0.05
I	7	Bis(tributyltin)oxide (TBTO)	56-35-9	0.05
I	8	Cobalt dichloride	7646-79-9	0.005
I	9	Diarsenic pentaoxide	1303-28-2	0.005
I	10	Diarsenic trioxide	1327-53-3	0.005
I	11	Dibutyl phthalate (DBP)	84-74-2	0.05
I	12	Hexabromocyclododecane (HBCDD) and all major 0.05. diastereoisomers identified (α -HBCDD, β -HBCDD, γ -HBCDD) Δ	25637-99-4 3194-55-6	0.05
I	13	Lead hydrogen arsenate	7784-40-9	0.005
I	14	Sodium dichromate	7789-12-0 10588-01-9	0.005
I	15	Triethyl arsenate	15606-95-8	0.005
2nd SVHC in the Candidate List (2009.09)				
II	16	2,4-Dinitrotoluene	90640-80-5	0.05
II	17	Acrylamide	90640-81-6	0.05
II	18	Anthracene oil	91995-15-2	0.05
II	19	Anthracene oil, anthracene paste	91995-17-4	0.05
II	20	Anthracene oil, anthracene paste, anthracene fraction	90640-82-7	0.05
II	21	Anthracene oil, anthracene paste, distn lights	86-69-5	0.05
II	22	Anthracene oil, anthracene-low	7758-97-6	0.005
II	23	Diisobutyl phthalate	121-14-2	0.05
II	24	Lead chromate	79-06-1	0.05
II	25	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	0.005
II	26	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	0.005
II	27	Pitch, coal tar, high temp.	65996-93-2	0.05
II	28	Tris(2-chloroethyl)phosphate	115-96-8	0.05
3rd SVHC in the Candidate List (2010.03)				
III	29	Ammonium dichromate	7789-09-5	0.005
III	30	Boric acid	10043-35-3, 11113-50-1	0.005
III	31	Disodium tetraborate, anhydrous	1303-96-4, 1330-43-4, 12179-04-3	0.005
III	32	Potassium chromate	7789-00-6	0.005
III	33	Potassium dichromate	7778-50-9	0.005
III	34	Sodium chromate	7775-11-3	0.005

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Batch	No.	Substance Name	CAS No.	RL (%)
III	35	Tetraboron disodium heptaoxide, hydrate	12267-73-1	0.005
III	36	Trichloroethylene	79-01-6	0.05
4th SVHC in the Candidate List (2010.12)				
IV	37	2-Ethoxyethanol	110-80-5	0.05
IV	38	2-Methoxyethanol	109-86-4	0.05
IV	39	Chromic acid, 0.005 Oligomers of chromic acid and dichromic acid, Dichromic acid	7738-94-5 - 13530-68-2	0.005
IV	40	Chromium trioxide	1333-82-0	0.005
IV	41	Cobalt(II) carbonate	513-79-1	0.005
IV	42	Cobalt(II) diacetate	71-48-7	0.005
IV	43	Cobalt(II) dinitrate	10141-05-6	0.005
IV	44	Cobalt(II) sulphate	10124-43-3	0.005
5th SVHC in the Candidate List (2011.06)				
V	45	1,2,3-trichloropropane	96-18-4	0.05
V	46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	0.05
V	47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	0.05
V	48	1-methyl-2-pyrrolidone	872-50-4	0.05
V	49	2-ethoxyethyl acetate	111-15-9	0.05
V	50	Hydrazine	7803-57-8, 302-01-2	0.05
V	51	Strontium chromate	7789-06-2	0.005
6th SVHC in the Candidate List (2011.12)				
VI	52	1,2-Dichloroethane	107-06-2	0.05
VI	53	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	0.05
VI	54	2-Methoxyaniline; o-Anisidine	90-04-0	0.05
VI	55	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	0.05
VI	56	Aluminosilicate Refractory Ceramic Fibres	650-017-00-8 (Index no.)	0.005
VI	57	Arsenic acid	7778-39-4	0.005
VI	58	Bis(2-methoxyethyl) ether	111-96-6	0.05
VI	59	Bis(2-methoxyethyl) phthalate	117-82-8	0.05
VI	60	Calcium arsenate	7778-44-1	0.005
VI	61	Dichromium tris(chromate)	24613-89-6	0.005
VI	62	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	0.05
VI	63	Lead diazide, Lead azide	13424-46-9	0.005
VI	64	Lead dipicrate	6477-64-1	0.005
VI	65	Lead styphnate	15245-44-0	0.005

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Batch	No.	Substance Name	CAS No.	RL (%)
VI	66	N,N-dimethylacetamide	127-19-5	0.05
VI	67	Pentazinc chromate octahydroxide	49663-84-5	0.005
VI	68	Phenolphthalein	77-09-8	0.05
VI	69	Potassium hydroxyoctaoxodizincate dichromate	11103-86-9	0.005
VI	70	Trilead diarsenate	3687-31-8	0.005
VI	71	Zirconia Aluminosilicate Refractory Ceramic Fibres	650-017-00-8 (Index no.)	0.005
7th SVHC in the Candidate List (2012.06)				
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	0.05
VII	73	[4-[4,4'-bis(dimethylamino) benzhydrylidene] cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)§	548-62-9	0.05
VII	74	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	0.05
VII	75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	0.05
VII	76	4,4'-bis(dimethylamino) benzophenone (Michler's Ketone)	90-94-8	0.05
VII	77	4,4'-bis(dimethylamino)-4"- (methylamino) trityl alcohol §	561-41-1	0.05
VII	78	Diboron trioxide	1303-86-2	0.005
VII	79	Formamide	75-12-7	0.05
VII	80	Lead(II) bis(methanesulfonate)	17570-76-2	0.005
VII	81	N,N,N',N'-tetramethyl-4,4'-methylenedianiline(Michler's base)	101-61-1	0.05
VII	82	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine -2,4,6 (1H,3H,5H)-trione)	2451-62-9	0.05
VII	83	α,α-Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) §	6786-83-0	0.05
VII	84	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl] -1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	0.05
8th SVHC in the Candidate List (2012.12)				
VIII	85	[Phthalato(2-)]dioxotrilead	69011-06-9	0.005
VIII	86	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.05
VIII	87	1,2-Diethoxyethane	629-14-1	0.05
VIII	88	1-Bromopropane	106-94-5	0.05
VIII	89	3-Ethyl-2-methyl-2-(3-methylbutyl)-13-oxazolidine	143860-04-2	0.05
VIII	90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	0.05

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Batch	No.	Substance Name	CAS No.	RL (%)
VIII	91	4,4'-Methylenedi-o-toluidine	838-88-0	0.05
VIII	92	4,4'-Oxydianiline and its salts	101-80-4	0.05
VIII	93	4-Aminoazobenzene	60-09-3	0.05
VIII	94	4-Methyl-m-phenylenediamine	95-80-7	0.05
VIII	95	4-Nonylphenol, branched and linear	-	0.05
VIII	96	6-Methoxy-m-toluidine	120-71-8	0.05
VIII	97	Acetic acid, lead salt, basic	51404-69-4	0.005
VIII	98	Biphenyl-4-ylamine	92-67-1	0.05
VIII	99	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	0.05
VIII	100	Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	85-42-7, 13149-00-3, 14166-21-3.	0.05
VIII	101	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	0.05
VIII	102	Dibutyltin dichloride (DBTC)	683-18-1	0.05
VIII	103	Diethyl sulphate	64-67-5	0.05
VIII	104	Diisopentylphthalate	605-50-5	0.05
VIII	105	Dimethyl sulphate	77-78-1	0.05
VIII	106	Dinoseb	88-85-7	0.05
VIII	107	Dioxobis(stearato)trilead	12578-12-0	0.005
VIII	108	Fatty acids, C16-18, lead salts	91031-62-8	0.005
VIII	109	Furan	110-00-9	0.05
VIII	110	Henicosafluoroundecanoic acid	2058-94-8	0.05
VIII	111	Heptacosafuorotetradecanoic acid	376-06-7	0.05
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	0.05
VIII	113	Lead bis(tetrafluoroborate)	13814-96-5	0.005
VIII	114	Lead cyanamidate	20837-86-9	0.005
VIII	115	Lead dinitrate	10099-74-8	0.005
VIII	116	Lead monoxide	1317-36-8	0.005
VIII	117	Lead oxide sulfate	12036-76-9	0.005
VIII	118	Lead tetroxide (orange lead)	1314-41-6	0.005
VIII	119	Lead titanium trioxide	12060-00-3	0.005
VIII	120	Lead titanium zirconium oxide	12626-81-2	0.005
VIII	121	Methoxyacetic acid	625-45-6	0.05
VIII	122	Methyloxirane (Propylene oxide)	75-56-9	0.05
VIII	123	N,N-dimethylformamide	68-12-2	0.05
VIII	124	N-Methylacetamide	79-16-3	0.05
VIII	125	N-Pentyl-isopentylphthalate	776297-69-9	0.05
VIII	126	o-Aminoazotoluene	97-56-3	0.05
VIII	127	o-Toluidine	95-53-4	0.05
VIII	128	Pentacosafuorotridecanoic acid	72629-94-8	0.05
VIII	129	Pentalead tetraoxide sulphate	12065-90-6	0.005
VIII	130	Pyrochlore, antimony lead yellow	8012-00-8	0.005
VIII	131	Silicic acid, barium salt, lead-doped	68784-75-8	0.005

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Batch	No.	Substance Name	CAS No.	RL (%)
VIII	132	Silicic acid, lead salt	11120-22-2	0.005
VIII	133	Sulfurous acid, lead salt, dibasic	62229-08-7	0.005
VIII	134	Tetraethyllead	78-00-2	0.005
VIII	135	Tetralead trioxide sulphate	12202-17-4	0.005
VIII	136	Tricosafuorododecanoic acid	307-55-1	0.05
VIII	137	Trilead bis(carbonate)dihydroxide (basic lead carbonate)	1319-46-6	0.005
VIII	138	Trilead dioxide phosphonate	12141-20-7	0.005
9th SVHC in the Candidate List (2013.06)				
IX	139	4-Nonylphenol, branched and linear, ethoxylated	-	0.05
IX	140	Ammonium pentadeca fluorooctanoate (APFO)	3825-26-1	0.05
IX	141	Cadmium oxide	1306-19-0	0.005
IX	142	Cadmium	7440-43-9	0.005
IX	143	Dipentyl phthalate (DPP)	131-18-0	0.05
IX	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	0.05
10th SVHC in the Candidate List (2013.12)				
X	145	Cadmium sulphide	1306-23-6	0.005
X	146	Diethyl phthalate	84-75-3	0.05
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	0.05
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	0.05
X	149	Imidazolidine-2-thione;(2-imidazoline-2-thiol)	96-45-7	0.05
X	150	Triethyl phosphate	25155-23-1	0.05
X	151	Triethyl phosphate	25155-23-1	0.05
11th SVHC in the Candidate List (2014.06)				
XI	152	1,2-Benzenedicarboxylic acid, diethyl ester, branched and linear	68515-50-4	0.05
XI	153	Cadmium chloride	10108-64-2	0.005
XI	154	Sodium perborate; perboric acid, sodium salt	-	0.005
XI	155	Sodium peroxometaborate	7632-04-4	0.005
12th SVHC in the Candidate List (2014.12)				
XII	156	2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	0.05
XII	157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	0.05
XII	158	2-Ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate; DOTE	15571-58-1	0.05
XII	159	Cadmium fluoride	7790-79-6	0.005
XII	160	Cadmium sulphate	10124-36-4 31119-53-6	0.005

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Batch	No.	Substance Name	CAS No.	RL (%)
XII	161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate & 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 & MOTE)	-	0.05
13th SVHC in the Candidate List (2015.06)				
XIII	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)	68515-51-5 68648-93-1	0.05
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]	-	0.05
14th SVHC in the Candidate List (2015.12)				
XIV	164	1,3-propanesultone	1120-71-4	0.100
XIV	165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol(UV-327)	3864-99-1	0.100
XIV	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol	36437-37-3	0.100
XIV	167	Nitrobenzene	98-95-3	0.100
XIV	168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1, 21049-39-8, 4149-60-4	0.100
15th SVHC in the Candidate List (2016.06)				
XV	169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	0.100
16th SVHC in the Candidate List (2016.12)				
XVI	170	p-(1,1-dimethylpropyl)phenol	80-46-6	0.05
XVI	171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7, 335-76-2, 3830-45-3	0.05
XVI	172	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 welldefined substances which include any of the individual isomers or a combination thereof]	-	0.05
XVI	173	4,4'-isopropylidenediphenol	80-05-7	0.05
17th SVHC in the Candidate List (2017.07)				
XVII	174	Perfluorohexane-1-sulphonic acid and its salts	-	0.05

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Batch	No.	Substance Name	CAS No.	RL (%)
18th SVHC in the Candidate List (2018.01)				
XVIII	175	Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	0.05
XVIII	176	Benz[a]anthracene.	56-55-3, 1718-53-2	0.05
XVIII	177	Cadmium nitrate	10022-68-1, 10325-94-7	0.005
XVIII	178	Cadmium carbonate	513-78-0	0.005
XVIII	179	Cadmium hydroxide	21041-95-2	0.005
XVIII	180	Chrysene	218-01-9, 1719-03-5	0.05
XVIII	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].	-	0.05
19th SVHC in the Candidate List (2018.07)				
XIX	182	Dicyclohexyl phthalate (DCHP)	84-61-7	0.05
XIX	183	Benzene-1,2,4-tricarboxylic acid 1,2-anhydride (trimellitic anhydride)	552-30-7	0.05
XIX	184	Benzo[ghi]perylene	191-24-2	0.05
XIX	185	Decamethylcyclopentasiloxane (D5)	541-02-6	0.05
XIX	186	Disodium octaborate	12008-41-2	0.005
XIX	187	Dodecamethylcyclohexasiloxane (D6)	540-97-6	0.05
XIX	188	Ethylenediamine	107-15-3	0.05
XIX	189	Lead	7439-92-1	0.005
XIX	190	Octamethylcyclotetrasiloxane (D4)	556-67-2	0.05
XIX	191	Terphenyl hydrogenated	61788-32-7	0.05
20th SVHC in the Candidate List (2019.01)				
XX	192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6/ 401-720-1	0.05
XX	193	Benzo[k]fluoranthene	207-08-9	0.05
XX	194	Fluoranthene	206-44-0; 93951-69-0/ 205-912-4	0.05
XX	195	Phenanthrene	85-01-8/ 201-581-5	0.05
XX	196	Pyrene	129-00-0/ 204-927-3	0.05
XX	197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1] heptan-2-one (3-benzylidene camphor)	15087-24-8/ 239-139-9	0.05
21th SVHC in the Candidate List (2019.07)				
XXI	198	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	0.05
XXI	199	4-tert-butylphenol	98-54-4	0.05

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Appendix: Full list of tested SVHC

Batch	No.	Substance Name	CAS No.	RL (%)
XXI	200	2-methoxyethyl acetate	110-49-6	0.05
XXI	201	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides	-	0.05
22th SVHC in the Candidate List (2020.01)				
XXII	202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	0.05
XXII	203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	0.05
XXII	204	Diisohexyl phthalate	71850-09-4	0.05
XXII	205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	0.05
23th SVHC in the Candidate List (2020.06)				
XXIII	206	1-vinylimidazole	1072-63-5	0.05
XXIII	207	2-methylimidazole	693-98-1	0.05
XXIII	208	Butyl 4-hydroxybenzoate	94-26-8	0.05
XXIII	209	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	0.05
24th SVHC in the Candidate List (2021.01)				
XXIV	210	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	0.05
XXIV	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	-	0.05
25th SVHC in the Candidate List (2021.07)				
XXV	212	1,4-dioxane	123-91-1	0.05
XXV	213	2,2-bis(bromomethyl)propane 1,3-diol (BMP) 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) 2,3-dibromo-1-propanol (2,3-DBPA)	3296-90-0 36483-57-5 1522-92-5 96-13-9.	0.05
XXV	214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers.	-	0.05
XXV	215	4,4'-(1-methylpropylidene)bisphenol	77-40-7	0.05
XXV	216	Glutaral	111-30-8	0.05
XXV	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)	1372804-76-6 85535-85-9 198840-65-2	0.05
XXV	218	Orthoboric acid, sodium salt	25747-83-5 22454-04-2 14312-40-4 1333-73-9 13840-56-7	0.005
XXV	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)	121158-58-5 74499-35-7 210555-94-5 27459-10-5 57427-55-1 27147-75-7	0.05

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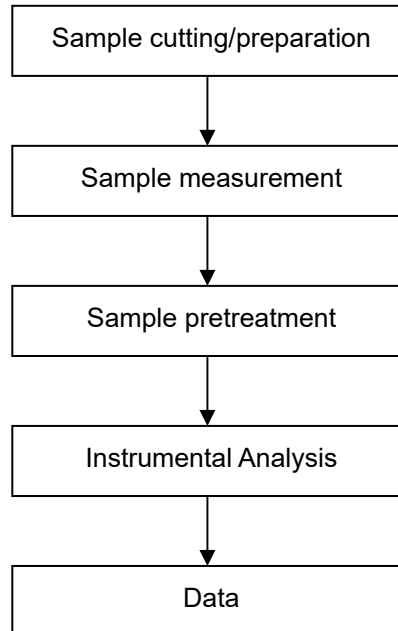
Appendix: Full list of tested SVHC

Batch	No.	Substance Name	CAS No.	RL (%)
			14890-53-0	
26th SVHC in the Candidate List (2022.01)				
XXVI	220	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	0.05
XXVI	221	tris(2-methoxyethoxy)vinylsilane	1067-53-4	0.05
XXVI	222	S-(tricyclo(5.2.1.0 ² .6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	0.05
XXVI	223	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	0.05
27th SVHC in the Candidate List (2022.06)				
XXVII	224	N-(hydroxymethyl)acrylamide N	924-42-5	0.05
28th SVHC in the Candidate List (2023.01)				
XXVIII	225	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene] (BTBPE)	37853-59-1	0.05
XXVIII	226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol (TBBPA)	79-94-7	0.05
XXVIII	227	4,4'-sulphonyldiphenol (BPS)	80-09-1	0.05
XXVIII	228	Barium diboron tetraoxide	13701-59-2	0.05
XXVIII	229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof (TBPB)	-	0.05
XXVIII	230	Isobutyl 4-hydroxybenzoate	4247-02-3	0.05
XXVIII	231	Melamine	108-78-1	0.05
XXVIII	232	Perfluoroheptanoic acid (PFHpA) and its salts	-	0.05
XXVIII	233	Reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropyl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	-	0.05
29th SVHC in the Candidate List (2023.06)				
XXIX	234	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	0.05
XXIX	235	Bis(4-chlorophenyl) sulphone	70-07-9	0.05
30th SVHC in the Candidate List (2024.01)				
XXX	236	2,4,6-tri-tert-butylphenol	732-26-3	0.05
XXX	237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol	3147-75-9	0.05
XXX	238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4	0.05
XXX	239	Bumetrizole (UV-326)	3896-11-5	0.05
XXX	240	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol, methylstyrenated	-	0.05

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Analytical flow chart of SVHC

- 1) Name of the person who made testing: Steven Guo
- 2) Name of the person in charge of testing: Mary Luo



Remarks:

- 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>

This list is under evaluation by ECHA and may subject to change in the future.

- 2) 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 (a) the substance is present in those articles in quantities totaling over one ton per producer or importer per year; and (b) the substance is present in those articles above a concentration of 0.1% weight by weight (w/w).

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.

- 3) Concerning material(s):

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.

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.

- (4) Concerning substance and preparation:

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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:

- (a) a substance posing human health or environmental hazards in an individual concentration of ≥ 1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures) or ≥ 0.2 % by volume for gaseous mixtures; or

- (b) a substance that is PBT, or vPvB in an individual concentration of ≥ 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 ≥ 0.1 % by weight for non-gaseous mixtures; or

- (d) a substance for which there are Europe-wide workplace exposure limits.

(5) 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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Sample Photo



*** End of Report ***

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