

## Test Report

No. 68-70/4000406/2017/SVHC

Date: 15 March 2017

Name of the client: Ekokem Oy Ab  
 Address of the client: P.O. Box 181  
 11101 Riihimäki, Finland  
 Contact person(s) Anna Järvinen / Heli Hellén

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

Product description:

**Three samples of plastic pellets**

SGS Sample No.	Product description
68	Plastic pellets - LD 14.2.2017, 1/3 SUM, 1/3 NOR, 1/3 KIK
69	Plastic pellets - HD 14.2.2017, 1/3 SUM, 1/3 NOR, 1/3 EKO
70	Plastic pellets - PP 14.2.2017, 1/3 SUM, 1/3 NOR, 1/3 EKO

Country of Destination: Europe  
 Material: Plastic  
 Color: Grey/Black (see photo)

Sample receiving date to SGS Kotka laboratory: 17 February 2017  
 Testing period: 6 to 14 March 2017

Test Requested:

As requested by client, SVHC screening is performed according to:

- One hundred and seventy three (173) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before January 12, 2017 regarding Regulation (EC) No 1907/2006 concerning the REACH.

Test Result(s): Please refer to next page(s).

The test was conducted in SGS Hong Kong laboratory

Summary:

According to the specified scope and analytical techniques, concentrations of tested SVHCs are ≤ 0.1% (w/w) in the submitted sample	PASS
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Signed for and on behalf of  
 SGS INSPECTION SERVICES OY

*Hanna Larvio*  
 Hanna Larvio  
 Testing Engineer



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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:
  - <https://echa.europa.eu/candidate-list-table> (Candidate list)The list is under evaluation by ECHA and may be subject to change in the future.
2. Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogeneous material.
3. In accordance with Regulation (EC) No 1907/2006, and EU producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance which meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance in Candidate List is present in those articles in quantities totalling 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)
4. 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.
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 Description:

**Three samples of plastic pellets**

SGS Sample no.	Component Description
68	Grey plastic
69	Dk.grey plastic / Grey plastic
70	Dk.grey plastic w/ Grey plastic

**Test Method:**

SGS In-House method - Analyzed by ICP-OES, GC-MS, UV-VIS, HPLC-DAD, HPLC-MS and colorimetric method

**Test Result per material:**

No.	Substance Name	CAS No. / EC No.	RL (%)	Concentration (%) per material
-	All substances of the Candidate List	seen next pages	seen next pages	ND

**Notes :**

1. RL = Reporting Limit. All RL are based on homogenous material.  
ND = Not detected (lower than RL). ND is denoted on the SVHC substance.
2. The table above only shows detected SVHC, and SVHC that below RL are not reported. Please refer to the next pages for the full list of tested SVHC.
3. The result is calculated based on the minimum sample weight for composite testing.

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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
Candidate List of Substances of Very High Concern (SVHC) for authorization published on October 28, 2008							
1	<b>4,4'-Diaminodiphenylmethane (MDA)</b>	<b>101-77-9/ 202-974-4</b>	0.050	2	<b>5-tert-butyl-2,4,6-trinitro-<i>m</i>-xylene (musk xylene)</b>	<b>81-15-2/ 201-329-4</b>	0.050
3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8/ 287-476-5	0.050	4	Anthracene	120-12-7/ 204-371-1	0.050
5	<b>Benzyl butyl phthalate (BBP)</b>	<b>85-68-7/ 201-622-7</b>	0.050	6	<b>Bis(2-ethylhexyl)phthalate (DEHP)</b>	<b>117-81-7/ 204-211-0</b>	0.050
7	Bis(tributyltin)oxide (TBTO)	56-35-9/ 200-268-0	0.050	8	Cobalt dichloride*	7646-79-9/ 231-589-4	0.005
9	<b>Diarsenic pentaoxide*</b>	<b>1303-28-2/ 215-116-9</b>	0.005	10	<b>Diarsenic trioxide*</b>	<b>1327-53-3/ 215-481-4</b>	0.005
11	<b>Dibutyl phthalate (DBP)</b>	<b>84-74-2/ 201-557-4</b>	0.050	12	<b>Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α-HBCDD, β-HBCDD, γ-HBCDD) Δ</b>	<b>25637-99-4 3194-55-6/ 247-148-4 221-695-9</b>	0.050
13	Lead hydrogen arsenate*	7784-40-9/ 232-064-2	0.005	14	<b>Sodium dichromate*</b>	<b>7789-12-0 10588-01-9/ 234-190-3</b>	0.005
15	Triethyl arsenate*	15606-95-8/ 427-700-2	0.005				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on January 13, 2010							
16	<b>2,4-Dinitrotoluene</b>	<b>121-14-2/ 204-450-0</b>	0.050	17	Anthracene oil*	90640-80-5/ 292-602-7	0.050
18	Anthracene oil, anthracene paste*	90640-81-6/ 292-603-2	0.050	19	Anthracene oil, anthracene paste, anthracene fraction*	91995-15-2/ 295-275-9	0.050
20	Anthracene oil, anthracene paste; distn. Lights*	91995-17-4/ 295-278-5	0.050	21	Anthracene oil, anthracene-low*	90640-82-7/ 292-604-8	0.050
22	<b>Diisobutyl phthalate</b>	<b>84-69-5/ 201-553-2</b>	0.050	23	<b>Lead chromate molybdate sulfate red (C.I. Pigment Red 104)*</b>	<b>12656-85-8/ 235-759-9</b>	0.005
24	<b>Lead chromate*</b>	<b>7758-97-6/ 231-846-0</b>	0.005	25	<b>Lead sulfochromate yellow (C.I. Pigment Yellow 34)*</b>	<b>1344-37-2/ 215-693-7</b>	0.005
26	Pitch, coal tar, high temp.*	65996-93-2/ 266-028-2	0.050	27	<b>Tris(2-chloroethyl)phosphate</b>	<b>115-96-8/ 204-118-5</b>	0.050
Candidate List of Substances of Very High Concern (SVHC) for authorization published on March 30, 2010							
28	Acrylamide	79-06-1/ 201-173-7	0.050				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on June 18, 2010							
29	<b>Ammonium dichromate*</b>	<b>7789-09-5/ 232-143-1</b>	0.005	30	Boric acid*	10043-35-3; 11113-50-1/ 233-139-2; 234-343-4	0.005
31	Disodium tetraborate, anhydrous*	1303-96-4 1330-43-4 12179-04-3/ 215-540-4	0.005	32	<b>Potassium chromate*</b>	<b>7789-00-6/ 232-140-5</b>	0.005
33	<b>Potassium dichromate*</b>	<b>7778-50-9/ 231-906-6</b>	0.005	34	<b>Sodium chromate*</b>	<b>7775-11-3/ 231-889-5</b>	0.005
35	Tetraboron disodium heptaoxide, hydrate*	12267-73-1/ 235-541-3	0.005	36	<b>Trichloroethylene</b>	<b>79-01-6/ 201-167-4</b>	0.005

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Candidate List of Substances of Very High Concern (SVHC) for authorization published on December 15, 2010							
37	2-Ethoxyethanol	110-80-5/ 203-804-1	0.050	38	2-Methoxyethanol	109-86-4/ 203-713-7	0.050
39	<b>Acids generated from chromium trioxide and their oligomers: Chromic acid Dichromic acid Oligomers of chromic acid and dichromic acid*</b>	<b>7738-94-5 13530-68-2 -/ 231-801-5 236-881-5 -</b>	0.005	40	<b>Chromium trioxide*</b>	<b>1333-82-0/ 215-607-8</b>	0.005
41	Cobalt(II) carbonate*	513-79-1/ 208-169-4	0.005	42	Cobalt(II) diacetate*	71-48-7/ 200-755-8	0.005
43	Cobalt(II) dinitrate*	10141-05-6/ 233-402-1	0.005	44	Cobalt(II) sulphate*	10124-43-3/ 233-334-2	0.005
Candidate List of Substances of Very High Concern (SVHC) for authorization published on June 20, 2011							
45	1,2,3-Trichloropropane	96-18-4/ 202-486-1	0.050	46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6/ 276-158-1	0.050
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4/ 271-084-6	0.050	48	1-Methyl-2-pyrrolidone	872-50-4/ 212-828-1	0.050
49	2-Ethoxyethyl acetate	111-15-9/ 203-839-2	0.050	50	Hydrazine	7803-57-8 302-01-2/ 206-114-9	0.050
51	<b>Strontium chromate*</b>	<b>7789-06-2/ 232-142-6</b>	0.005				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on December 19, 2011							
52	<b>1,2-Dichloroethane</b>	<b>107-06-2/ 203-458-1</b>	0.050	53	<b>2,2'-dichloro-4,4'-methylenedianiline (MOCA)</b>	<b>101-14-4/ 202-918-9</b>	0.050
54	2-Methoxyaniline	90-04-0/ 201-963-1	0.050	55	4-tert-Octylphenol	140-66-9/ 205-426-2	0.050
56	Aluminosilicate Refractory Ceramic Fibres*	650-017-00-8 (Index no.)	0.005	57	<b>Arsenic acid*</b>	<b>7778-39-4/ 231-901-9</b>	0.005
58	<b>Bis(2-methoxyethyl) ether</b>	<b>111-96-6/ 203-924-4</b>	0.050	59	Bis(2-methoxyethyl) phthalate	117-82-8/ 204-212-6	0.050
60	Calcium arsenate*	7778-44-1/ 231-904-5	0.005	61	Dichromium tris(chromate) *	24613-89-6/ 246-356-2	0.005
62	<b>Formaldehyde, oligomeric reaction products with aniline (technical MDA)</b>	<b>25214-70-4/ 500-036-1</b>	0.050	63	Lead diazide*	13424-46-9/ 236-542-1	0.005
64	Lead dipicrate*	6477-64-1/ 229-335-2	0.005	65	Lead styphnate*	15245-44-0/ 239-290-0	0.005
66	N,N-dimethylacetamide (DMAC)	127-19-5/ 204-826-4	0.050	67	<b>Pentazinc chromate octahydroxide*</b>	<b>49663-84-5/ 256-418-0</b>	0.005
68	Phenolphthalein	77-09-8/ 201-004-7	0.050	69	<b>Potassium hydroxyoctaoxidizincatedichromate *</b>	<b>11103-86-9/ 234-329-8</b>	0.005
70	Trilead diarsenate*	3687-31-8/ 222-979-5	0.005	71	Zirconia Aluminosilicate Refractory Ceramic Fibres*	650-017-00-8 (Index no.)	0.005

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Candidate List of Substances of Very High Concern (SVHC) for authorization published on June 18, 2012							
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/ 219-943-6	0.050	73	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9/ 208-953-6	0.050
74	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2/ 203-977-3	0.050	75	1,2-dimethoxyethane, ethylene glycol dimethyl ether (EGDME)	110-71-4/ 203-794-9	0.050
76	4,4'-bis(dimethylamino) benzophenone (Michler's Ketone)	90-94-8/ 202-027-5	0.050	77	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1/ 209-218-2	0.050
78	Diboron trioxide*	1303-86-2/ 215-125-8	0.005	79	Formamide	75-12-7/ 200-842-0	0.050
80	Lead(II) bis(methanesulfonate)*	17570-76-2/ 401-750-5	0.005	81	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1/ 202-959-2	0.050
82	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9/ 219-514-3	0.050	83	$\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0/ 229-851-8	0.050
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/ 423-400-0	0.050				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on December 19, 2012							
85	[Phthalato(2-)]dioxotrilead *	69011-06-9/ 273-688-5	0.005	86	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0/ 284-032-2	0.050
87	1,2-Diethoxyethane	629-14-1/ 211-076-1	0.050	88	1-Bromopropane	106-94-5/ 203-445-0	0.050
89	3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2/ 421-150-7	0.050	90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	0.050
91	4,4'-Methylenedi- <i>o</i> -toluidine	838-88-0/ 212-658-8	0.050	92	4,4'-Oxydianiline	101-80-4/ 202-977-0	0.050
93	4-Aminoazobenzene	60-09-3/ 200-453-6	0.050	94	4-Methyl- <i>m</i> -phenylenediamine	95-80-7/ 202-453-1	0.050
95	4-Nonylphenol, branched and linear	-	0.050	96	6-Methoxy- <i>m</i> -toluidine	120-71-8/ 204-419-1	0.050
97	Acetic acid, lead salt, basic*	51404-69-4/ 257-175-3	0.005	98	Biphenyl-4-ylamine	92-67-1/ 202-177-1	0.050
99	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5/ 214-604-9	0.050	100	C,C'-azodi(formamide) (ADCA)	123-77-3/ 204-650-8	0.050
101	Dibutyltin dichloride (DBT)	683-18-1/ 211-670-0	0.050	102	Diethyl sulphate	64-67-5/ 200-589-6	0.050
103	Diisopentylphthalate (DIPP)	605-50-5/ 210-088-4	0.050	104	Dimethyl sulphate	77-78-1/ 201-058-1	0.050
105	Dinoseb	88-85-7/ 201-861-7	0.050	106	Dioxobis(stearato)trilead*	12578-12-0/ 235-702-8	0.005
107	Fatty acids, C16-18, lead salts*	91031-62-8/ 292-966-7	0.005	108	Furan	110-00-9/ 203-727-3	0.050
109	Henicosfluoroundecanoic acid	2058-94-8/ 218-165-4	0.050	110	Heptacosfluorotetradecanoic acid	376-06-7/ 206-803-4	0.050
111	Hexahydro-2-benzofuran-1,3-dione, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	85-42-7, 13149-00-3, 14166-21-3/ 201-604-9, 236-086-3, 238-009-9	0.050	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/ 247-094-1, 243-072-0, 256-356-4, 260-566-1	0.050

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Candidate List of Substances of Very High Concern (SVHC) for authorization published on December 19, 2012							
113	Lead bis(tetrafluoroborate) *	13814-96-5/ 237-486-0	0.005	114	Lead cyanamidate*	20837-86-9/ 244-073-9	0.005
115	Lead dinitrate*	10099-74-8/ 233-245-9	0.005	116	Lead monoxide *	1317-36-8/ 215-267-0	0.005
117	Lead oxide sulphate *	12036-76-9/ 234-853-7	0.005	118	Lead tetroxide *	1314-41-6/ 215-235-6	0.005
119	Lead titanium trioxide*	12060-00-3/ 235-038-9	0.005	120	Lead titanium zirconium oxide*	12626-81-2/ 235-727-4	0.005
121	Methoxyacetic acid	625-45-6/ 210-894-6	0.050	122	N,N-Dimethylformamide	68-12-2/ 200-679-5	0.050
123	N-Methylacetamide	79-16-3/ 201-182-6	0.050	124	N-Pentyl-isopentylphthalate	776297-69-9 /-	0.050
125	o-Aminoazotoluene	97-56-3/ 202-591-2	0.050	126	o-Toluidine	95-53-4/ 202-429-0	0.050
127	Pentacosfluorotridecanoic acid	72629-94-8/ 276-745-2	0.050	128	Pentalead tetraoxide sulphate*	12065-90-6/ 235-067-7	0.005
129	Propylene oxide	75-56-9/ 200-879-2	0.050	130	Pyrochlore, antimony lead yellow*	8012-00-8/ 232-382-1	0.005
131	Silicic acid, barium salt, lead-doped*	68784-75-8/ 272-271-5	0.005	132	Silicic acid, lead salt*	11120-22-2/ 234-363-3	0.005
133	Sulfurous acid, lead salt, dibasic*	62229-08-7/ 263-467-1	0.005	134	Tetraethyllead*	78-00-2/ 201-075-4	0.005
135	Tetralead trioxide sulphate*	12202-17-4/ 235-380-9	0.005	136	Tricosfluorododecanoic acid	307-55-1/ 206-203-2	0.050
137	Trilead bis(carbonate)dihydroxide*	1319-46-6/ 215-290-6	0.005	138	Trilead dioxide phosphonate*	12141-20-7/ 235-252-2	0.005
Candidate List of Substances of Very High Concern (SVHC) for authorization published on June 20, 2013							
139	4-Nonylphenol, branched and linear, ethoxylated	-	0.050	140	Ammoniumpentadecafluorootanoate (APFO)	3825-26-1/ 223-320-4	0.050
141	Cadmium	7440-43-9/ 231-152-8	0.005	142	Cadmium oxide	1306-19-0/ 215-146-2	0.005
143	Di-n-pentyl phthalate	131-18-0/ 205-017-9	0.050	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1/ 206-397-9	0.050
Candidate List of Substances of Very High Concern (SVHC) for authorization published on December 16, 2013							
145	Cadmium sulphide*	1306-23-6/ 215-147-8	0.005	146	Dihexyl phthalate	84-75-3/ 201-559-5	0.050
147	Disodium 3,3'-[[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0/ 209-358-4	0.050	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/ 217-710-3	0.050
149	Imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7/ 202-506-9	0.050	150	Lead di(acetate)*	301-04-2/ 206-104-4	0.005
151	Trixylyl phosphate	25155-23-1/ 246-677-8	0.050				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on June 16, 2014							
152	1,2-Benzenedicarboxylic acid, dihexyl ester branched and linear	68515-50-4/ 271-093-5	0.050	153	Cadmium chloride*	10108-64-2/ 233-296-7	0.005
154	Sodium perborate; perboric acid, sodium salt*	234-390-0 ; 239-172-9	0.005	155	Sodium peroxometaborate*	7632-04-4/ 231-556-4	0.005

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List of Substances of Very High Concern (SVHC) for authorization published on December 17, 2014							
156	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7/ 223-346-6	0.050	157	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1/ 247-384-8	0.050
158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1/ 239-622-4	0.050	159	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
160	Cadmium fluoride*	7790-79-6/ 232-222-0	0.005	161	Cadmium sulphate*	10124-36-4; 31119-53-6/ 233-331-6	0.005
List of Substances of Very High Concern (SVHC) for authorization published on June 15, 2015							
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  271-094-0 / 272-013-1	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 isomers of [1] and [2] or any combination thereof]	- / -	0.050
List of Substances of Very High Concern (SVHC) for authorization published on December 17, 2015							
164	1,3-propanesultone	1120-71-4 / 214-317-9	0.050	165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1 / 223-383-8	0.050
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3 / 253-037-1	0.050	167	Nitrobenzene	98-95-3 / 202-716-0	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	375-95-1 / 21049-39-8 / 4149-60-4 / 206-801-3	0.050				
List of Substances of Very High Concern (SVHC) for authorization published on June 20, 2016							
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8 / 200-028-5	0.050				
List of Substances of Very High Concern (SVHC) for authorization published on January 12, 2017							
170	4,4'-Isopropylidenediphenol (Bisfenol A)	80-05-7 / 201-245-8	0.050	171	4-Heptylphenol, branched and linear	-	0.050
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	333-76-2; 3830-45-3; 3108-42-7/ 206-400-3; - ; 221-470-5	0.050	173	p-(1,1-dimethylpropyl)phenol	80-46-6// 201-280-9	0.050

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## Test Report

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## Notes :

1. \* The test result is based on the calculation of selected element(s) / marker(s) and to the worst-case scenario. For detail information, please refer to the SGS REACH website:

<http://www.sgs.com/en/consumer-goods-retail/toys-and-juvenile-products/toys/reach/management-of-svhc>

The client is advised to review the chemical formulation to ascertain above metal substances present in the article.

RL = Reporting Limit. All RL are based on homogenous material.

RL = 0.005% is evaluated for element (i.e. cobalt, arsenic, lead, sodium, chromium, chromium (VI), silicon, aluminium, zirconium, zinc, antimony, calcium, titanium, barium, potassium, cadmium and strontium respectively), except molybdenum RL = 0.0005%, boron RL = 0.0025%.

2. <sup>^</sup> No. of diastereoisomers identified ( $\alpha$ -HBCDD,  $\beta$ -HBCDD,  $\gamma$ -HBCDD): 134237-50-6, 134237-51-7, 134237-52-8
3. The 31 bolded substances are listed in Annex XIV of REACH ("Authorisation List").

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**Test Report**

No. 68-70/4000406/2017/SVHC

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**Photo(s) of the tested sample(s):**



**68:** Plastic pellets -  
LD 14.2.2017, 1/3 SUM, 1/3 NOR, 1/3 KIK



**69:** Plastic pellets -  
HD 14.2.2017, 1/3 SUM, 1/3 NOR, 1/3 EKO



**70:** Plastic pellets -  
PP 14.2.2017, 1/3 SUM, 1/3 NOR, 1/3 EKO

SGS authenticates the photo (s) on original report only.

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End of report

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