



TEST REPORT

Job No./Report NoTR1328756

Date:6 June 2018

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YAVUZ ALÜMİNYUM SAN VE TIC AŞ

ÖMERLİ MAH İHSAN GAZI SK NO:10 HADİMKÖY/ARNAVUTKÖY- İSTANBUL

To the attention of Mert COSAR

The following sample(s) was/were submitted by the client as:

SGS Job No. : 1328756
Product Name : Aluminum
Date of Sample Received : 25 May 2018
Testing Period : 25 May 2018 ~ 4 June 2018

Test Requested :

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

- One hundred and eighty one (181) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before January 15, 2018 regarding Regulation (EC) No 1907/2006 concerning the REACH.

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

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SGS Supervise Gözetme Etüd Kontrol
Servisleri A. Ş.

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İstanbul – Turkey
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Summary :

According to the specified scope and analytical techniques, concentrations of tested SVHC are $\leq 0.1\%$ (w/w) in the submitted sample.

PASS

The test results relate to the tested items only.
Test reports without SGS seal and authorised signatures are invalid.
Reported results do not include uncertainties.

Issued in Istanbul
Signed for and on behalf of
SGS Supervise Gözetme Etüd Kontrol Servisleri A.Ş.

Selen Harman
Customer Services Team Leader

Yağız Barın
Section Manager



Doc No.:CTS/L-F-5.10-111NF / First Publish Date:07.01.2015 / Revision Date / No.: 25.01.2018 / 9

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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/quest/candidate-list-table> (Candidate list)

The 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 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. 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.

Test Sample:

Sample Description:
A. Aluminum

Sample No.	Group No.	Component No.	Component Description	Material	Colour	Remark
A	1	A1.	Main	Metal	Silver	-

Remarks:

1. INS = Insufficient sample for testing
2. The coating / printed material is tested together with the base substrate, the test result is the actual concentration from laboratory testing

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Test Method:

SGS In-House Test Method RSTS-CHEM-801-3 – Analysis by ICP-OES/ICP-MS & GC-MS & UV-VIS Spectrophotometer & HPLC-DAD & HPLC-MS & Colorimetric Method

Test Result (per test group):

No.	Substance Name	CAS No./ EC No.	RL (%)	Concentration (%)
				<u>Group 1</u>
-	All tested SVHC	-	-	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.
 NA^ = The submitted sample was found to contain significant amount of specific element(s) of SVHC. Upon further test verification 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 exclude entirely. It may be assumed that the detected element(s) have a non-SVHC source.
2. * 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.aspx>

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

 RL = 0.01% is evaluated for element (i.e. aluminum, antimony, arsenic, barium, boron, cadmium, calcium, chromium, chromium (VI), cobalt, lead, potassium, titanium, silicon, sodium, strontium, zinc and zirconium respectively), except molybdenum RL = 0.001%
3. 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.
4. Test result that shown as per test group is the actual concentration from laboratory testing. The test result is calculated by minimum sample weight. Confirmation testing is recommended as to understand the exact content of SVHC in each individual component.

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Sample photo:



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Appendix

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 Oct 28, 2008							
1	4,4'-Diaminodiphenylmethane (MDA)	101-77-9/ 202-974-4	0.100	2	5-tert-butyl-2,4,6-trinitro- <i>m</i> -xylene (musk xylene)	81-15-2/ 201-329-4	0.100
3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8/ 287-476-5	0.100	4	Anthracene	120-12-7/ 204-371-1	0.100
5	Benzyl butyl phthalate (BBP)	85-68-7/ 201-622-7	0.100	6	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7/ 204-211-0	0.100
7	Bis(tributyltin)oxide (TBTO)	56-35-9/ 200-268-0	0.100	8	Cobalt dichloride*	7646-79-9/ 231-589-4	0.010
9	Diarsenic pentaoxide*	1303-28-2/ 215-116-9	0.010	10	Diarsenic trioxide*	1327-53-3/ 215-481-4	0.010
11	Dibutyl phthalate (DBP)	84-74-2/ 201-557-4	0.100	12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α -HBCDD, β -HBCDD, γ -HBCDD)	25637-99-4/ 247-148-4; 3194-55-6/ 221-695-9; (134237-50-6/-; ; 134237-51-7/-; 134237-52-8/-)	0.100
13	Lead hydrogen arsenate*	7784-40-9/ 232-064-2	0.010	14	Sodium dichromate*	7789-12-0 10588-01-9/ 234-190-3	0.010
15	Triethyl arsenate*	15606-95-8/ 427-700-2	0.010				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jan 13, 2010							
16	2,4-Dinitrotoluene	121-14-2/ 204-450-0	0.100	17	Anthracene oil*	90640-80-5/ 292-602-7	0.100
18	Anthracene oil, anthracene paste*	90640-81-6/ 292-603-2	0.100	19	Anthracene oil, anthracene paste, anthracene fraction*	91995-15-2/ 295-275-9	0.100
20	Anthracene oil, anthracene paste; distn. Lights*	91995-17-4/ 295-278-5	0.100	21	Anthracene oil, anthracene-low*	90640-82-7/ 292-604-8	0.100
22	Diisobutyl phthalate	84-69-5/ 201-553-2	0.100	23	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)*	12656-85-8/ 235-759-9	0.010
24	Lead chromate*	7758-97-6/ 231-846-0	0.010	25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2/ 215-693-7	0.010
26	Pitch, coal tar, high temp.*	65996-93-2/ 201-557-4	0.100	27	Tris(2-chloroethyl)phosphate	115-96-8/ 201-557-4	0.100

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		266-028-2				204-118-5	
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Mar 30, 2010							
28	Acrylamide	79-06-1/ 201-173-7	0.100				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 18, 2010							
29	Ammonium dichromate*	7789-09-5/ 232-143-1	0.010	30	Boric acid*	10043-35-3/ 233-139-2; 11113-50-1/ 234-343-4	0.010
31	Disodium tetraborate, anhydrous*	1303-96-4 1330-43-4 12179-04-3/ 215-540-4	0.010	32	Potassium chromate*	7789-00-6/ 232-140-5	0.010
33	Potassium dichromate*	7778-50-9/ 231-906-6	0.010	34	Sodium chromate*	7775-11-3/ 231-889-5	0.010
35	Tetraboron disodium heptaoxide, hydrate*	12267-73-1/ 235-541-3	0.010	36	Trichloroethylene	79-01-6/ 201-167-4	0.100
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 15, 2010							
37	2-Ethoxyethanol	110-80-5/ 203-804-1	0.100	38	2-Methoxyethanol	109-86-4/ 203-713-7	0.100
39	Acids generated from chromium trioxide and their oligomers: Chromic acid Dichromic acid Oligomers of chromic acid and dichromic acid*	7738-94-5/ 231-801-5; 13530-68-2/ 236-881-5	0.010	40	Chromium trioxide*	1333-82-0/ 215-607-8	0.010
41	Cobalt(II) carbonate*	513-79-1/ 208-169-4	0.010	42	Cobalt(II) diacetate*	71-48-7/ 200-755-8	0.010
43	Cobalt(II) dinitrate*	10141-05-6/ 233-402-1	0.010	44	Cobalt(II) sulphate*	10124-43-3/ 233-334-2	0.010
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 20, 2011							
45	1,2,3-Trichloropropane	96-18-4/ 202-486-1	0.100	46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6/ 276-158-1	0.100
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4/ 271-084-6	0.100	48	1-Methyl-2-pyrrolidone	872-50-4/ 212-828-1	0.100
49	2-Ethoxyethyl acetate	111-15-9/	0.100	50	Hydrazine	7803-57-8	0.100

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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
		203-839-2				302-01-2/ 206-114-9	
51	Strontium chromate*	7789-06-2/ 232-142-6	0.010				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 19, 2011							
52	1,2-Dichloroethane	107-06-2/ 203-458-1	0.100	53	2,2'-dichloro-4,4'-methylenedi aniline (MOCA)	101-14-4/ 202-918-9	0.100
54	2-Methoxyaniline	90-04-0/ 201-963-1	0.100	55	4-tert-Octylphenol	140-66-9/ 205-426-2	0.100
56	Aluminosilicate Refractory Ceramic Fibres*	650-017-00- 8 (Index no.)	0.010	57	Arsenic acid*	7778-39-4/ 231-901-9	0.010
58	Bis(2-methoxyethyl) ether	111-96-6/ 203-924-4	0.100	59	Bis(2-methoxyethyl) phthalate	117-82-8/ 204-212-6	0.100
60	Calcium arsenate*	7778-44-1/ 231-904-5	0.010	61	Dichromium tris(chromate)*	24613-89-6/ 246-356-2	0.010
62	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4/ 500-036-1	0.100	63	Lead diazide*	13424-46-9/ 236-542-1	0.010
64	Lead dipicrate*	6477-64-1/ 229-335-2	0.010	65	Lead styphnate*	15245-44-0/ 239-290-0	0.010
66	N,N-dimethylacetamide (DMAC)	127-19-5/ 204-826-4	0.100	67	Pentazinc chromate octahydroxide*	49663-84-5/ 256-418-0	0.010
68	Phenolphthalein	77-09-8/ 201-004-7	0.100	69	Potassium hydroxyoctaoxodizincatedichr omate*	11103-86-9/ 234-329-8	0.010
70	Trilead diarsenate*	3687-31-8/ 222-979-5	0.010	71	Zirconia Aluminosilicate Refractory Ceremic Fibres*	650-017-00-8 (Index no.)	0.010
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 18, 2012							
72	[4-[[4-anilino-1-naphthyl][4-(di methylamino)phenyl]methylen e]cyclohexa-2,5-dien-1-yliden e] dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5/ 219-943-6	0.100	73	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2, 5-dien-1-ylidene]dimethylam monium chloride (C.I. Basic Violet 3)	548-62-9/ 208-953-6	0.100
74	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2/ 203-977-3	0.100	75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4/ 203-794-9	0.100
76	4,4'-bis(dimethylamino) benzophenone (Michler's Ketone)	90-94-8/ 202-027-5	0.100	77	4,4'-bis(dimethylamino)-4''-(m ethylamino)trityl alcohol	561-41-1/ 209-218-2	0.100

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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
78	Diboron trioxide*	1303-86-2/ 215-125-8	0.010	79	Formamide	75-12-7/ 200-842-0	0.100
80	Lead(II) bis(methanesulfonate)*	17570-76-2/ 401-750-5	0.010	81	N,N,N',N'-tetramethyl-4,4'-met hylene-dianiline (Michler's base)	101-61-1/ 202-959-2	0.100
82	TGIC (1,3,5-tris(oxiranylmethyl)-1,3, 5-triazine-2,4,6-(1H,3H,5H)-tri one)	2451-62-9/ 219-514-3	0.100	83	α,α -Bis[4-(dimethylamino)phe nyl]-4 (phenylamino)naphthalene-1- methanol (C.I. Solvent Blue 4)	6786-83-0/ 229-851-8	0.100
84	β -TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-tri azine-2,4,6-(1H,3H,5H)-trione)	59653-74-6/ 423-400-0	0.100				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 19, 2012							
85	[Phthalato(2-)]dioxotrilead*	69011-06-9/ 273-688-5	0.010	86	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0/ 284-032-2	0.100
87	1,2-Diethoxyethane	629-14-1/ 211-076-1	0.100	88	1-Bromopropane	106-94-5/ 203-445-0	0.100
89	3-Ethyl-2-methyl-2-(3-methylb utyl)-1,3-oxazolidine	143860-04-2 / 421-150-7	0.100	90	4-(1,1,3,3-tetramethylbutyl)ph enol, ethoxylated	-	0.100
91	4,4'-Methylenedi- <i>o</i> -toluidine	838-88-0/ 212-658-8	0.100	92	4,4'-Oxydianiline	101-80-4/ 202-977-0	0.100
93	4-Aminoazobenzene	60-09-3/ 200-453-6	0.100	94	4-Methyl- <i>m</i> -phenylenediamin e	95-80-7/ 202-453-1	0.100
95	4-Nonylphenol, branched and linear	-	0.100	96	6-Methoxy- <i>m</i> -toluidine	120-71-8/ 204-419-1	0.100
97	Acetic acid, lead salt, basic*	51404-69-4/ 257-175-3	0.010	98	Biphenyl-4-ylamine	92-67-1/ 202-177-1	0.100
99	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5/ 214-604-9	0.100	10 0	C,C'-azodi(formamide) (ADCA)	123-77-3/ 204-650-8	0.100
10 1	Dibutyltin dichloride (DBT)	683-18-1/ 211-670-0	0.100	10 2	Diethyl sulphate	64-67-5/ 200-589-6	0.100
10 3	Diisopentylphthalate (DIPP)	605-50-5/ 210-088-4	0.100	10 4	Dimethyl sulphate	77-78-1/ 201-058-1	0.100
10 5	Dinoseb	88-85-7/ 201-861-7	0.100	10 6	Dioxobis(stearato)trilead*	12578-12-0/ 235-702-8	0.010
10 7	Fatty acids, C16-18, lead salts*	91031-62-8/ 292-966-7	0.010	10 8	Furan	110-00-9/ 203-727-3	0.100

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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
109	Henicosafuoroundecanoic acid	2058-94-8/ 218-165-4	0.100	110	Heptacosafuorotetradecanoic acid	376-06-7/ 206-803-4	0.100
111	Hexahydro-2-benzofuran-1,3-dione, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	85-42-7/ 201-604-9; 13149-00-3/ 236-086-3; 14166-21-3/ 238-009-9	0.100	112	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	25550-51-0/ 247-094-1; 19438-60-9/ 243-072-0; 48122-14-1/ 256-356-4; 57110-29-9/ 260-566-1	0.100
113	Lead bis(tetrafluoroborate)*	13814-96-5/ 237-486-0	0.010	114	Lead cyanamidate*	20837-86-9/ 244-073-9	0.010
115	Lead dinitrate*	10099-74-8/ 233-245-9	0.010	116	Lead monoxide*	1317-36-8/ 215-267-0	0.010
117	Lead oxide sulphate*	12036-76-9/ 234-853-7	0.010	118	Lead tetroxide*	1314-41-6/ 215-235-6	0.010
119	Lead titanium trioxide*	12060-00-3/ 235-038-9	0.010	120	Lead titanium zirconium oxide*	12626-81-2/ 235-727-4	0.010
121	Methoxyacetic acid	625-45-6/ 210-894-6	0.100	122	N,N-Dimethylformamide	68-12-2/ 200-679-5	0.100
123	N-Methylacetamide	79-16-3/ 201-182-6	0.100	124	N-Pentyl-isopentylphthalate	776297-69-9 /-	0.100
125	o-Aminoazotoluene	97-56-3/ 202-591-2	0.100	126	o-Toluidine	95-53-4/ 202-429-0	0.100
127	Pentacosafuorotridecanoic acid	72629-94-8/ 276-745-2	0.100	128	Pentalead tetraoxide sulphate*	12065-90-6/ 235-067-7	0.010
129	Propylene oxide	75-56-9/ 200-879-2	0.100	130	Pyrochlore, antimony lead yellow*	8012-00-8/ 232-382-1	0.010
131	Silicic acid, barium salt, lead-doped*	68784-75-8/ 272-271-5	0.010	132	Silicic acid, lead salt*	11120-22-2/ 234-363-3	0.010
133	Sulfurous acid, lead salt, dibasic*	62229-08-7/ 263-467-1	0.010	134	Tetraethyllead*	78-00-2/ 201-075-4	0.010
135	Tetralead trioxide sulphate*	12202-17-4/ 235-380-9	0.010	136	Tricosafuorododecanoic acid	307-55-1/ 206-203-2	0.100
137	Trilead bis(carbonate)dihydroxide*	1319-46-6/ 215-290-6	0.010	138	Trilead dioxide phosphonate*	12141-20-7/ 235-252-2	0.010
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 20, 2013							
139	4-Nonylphenol, branched and linear, ethoxylated	-	0.100	140	Ammoniumpentadecafluoro octanoate (APFO)	3825-26-1/ 223-320-4	0.100
14	Cadmium	7440-43-9/	0.010	14	Cadmium oxide*	1306-19-0/	0.010

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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
1		231-152-8		2		215-146-2	
14 3	Di-n-pentyl phthalate	131-18-0/ 205-017-9	0.100	14 4	Pentadecafluorooctanoic acid (PFOA)	335-67-1/ 206-397-9	0.100
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 16, 2013							
14 5	Cadmium sulphide*	1306-23-6/ 215-147-8	0.010	14 6	Dihexyl phthalate	84-75-3/ 201-559-5	0.100
14 7	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	0.100	14 8	Disodium 4-amino-3-[[4'-[(2,4-diaminop henyl)azo][1,1'-biphenyl]-4-yl] azo] -5-hydroxy-6-(phenylazo)nap hthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7/ 217-710-3	0.100
14 9	Imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7/ 202-506-9	0.100	15 0	Lead di(acetate)*	301-04-2/ 206-104-4	0.010
15 1	Trixylyl phosphate	25155-23-1 / 246-677-8	0.100				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 16, 2014							
15 2	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4 / 271-093-5	0.100	15 3	Cadmium chloride*	10108-64-2/ 233-296-7	0.010
15 4	Sodium perborate; perboric acid, sodium salt*	- / 234-390-0; 239-172-9	0.010	15 5	Sodium peroxometaborate*	7632-04-4/ 231-556-4	0.010
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 17, 2014							
15 6	2-benzotriazol-2-yl-4,6-di-tert- butylphenol (UV-320)	3846-71-7 / 223-346-6	0.100	15 7	2-(2H-benzotriazol-2-yl)-4,6-d itertpentylphenol (UV-328)	25973-55-1 / 247-384-8	0.100
15 8	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-o xa-3,5-dithia-4-stannatetradec anoate; DOTE	15571-58-1 / 239-622-4	0.100	15 9	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-o xa-3,5-dithia-4-stannatetradec anoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)o xy]-2-oxoethyl]thio]-4-octyl-7- oxo-8-oxa-3,5-dithia-4-stanna tetradecanoate (reaction mass of DOTE and MOTE)	-	0.100
16 0	Cadmium fluoride*	7790-79-6 / 232-222-0	0.010	16 1	Cadmium sulphate*	10124-36-4; 31119-53-6 / 233-331-6	0.010
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun15, 2015							

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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
16 2	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	0.100	16 3	5-sec-butyl-2-(2,4-dimethylcy clohex-3-en-1-yl)-5-methyl-1, 3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcy clohex-3-en-1-yl)-5-methyl-1, 3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]	-	0.100
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 17, 2015,							
16 4	1,3-propanesultone	1120-71-4 / 214-317-9	0.100	16 5	2,4-di-tert-butyl-6-(5-chlorobe nzotriazol-2-yl)phenol (UV-327)	3864-99-1 / 223-383-8	0.100
16 6	2-(2H-benzotriazol-2-yl)-4-(ter t-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3 / 253-037-1	0.100	16 7	Nitrobenzene	98-95-3 / 202-716-0	0.100
16 8	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	0.100				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 20, 2016							
16 9	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8 / 200-028-5	0.100				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jan 12, 2017							
17 0	4,4'-Isopropylidenediphenol (Bisphenol A)	80-05-7 / 201-245-8	0.100	17 1	4-Heptylphenol, branched and linear	-	0.100
17 2	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salt	335-76-2; 3830-45-3; 3108-42-7/ 206-400-3; -; 221-470-5	0.100	17 3	p-(1,1-dimethylpropyl)phenol	80-46-6 / 201-280-9	0.100
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jul 7, 2017							
17 4	Perfluorohexane-1-sulphonic acid and its salts	- / -	0.100				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jan 15, 2018							
17 5	1, 6, 7, 8, 9,14,15,16,17,17,18,18-Dodecac hloropentacyclo[12.2.1.16,9.02,13 .05,10]octadeca-7,15-diene ("Dechlorane Plus"TM) [covering	- / -	0.100	17 6	Benz[a]anthracene	56-55-3 / 200-280-6	0.100

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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
	any of its individual anti- and syn-isomers or any combination thereof]						
17 7	Cadmium nitrate*	10325-94-7 / 233-710-6	0.010	17 8	Cadmium carbonate*	513-78-0 / 208-168-9	0.010
17 9	Cadmium hydroxide*	21041-95-2 / 244-168-5	0.010	18 0	Chrysene	218-01-9 / 205-923-4	0.100
18 1	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]	- / -	0.100				

Notes

1. RL = Reporting Limit. All RL are based on homogenous material
2. * 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.aspx>

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

RL = 0.01% is evaluated for element (i.e. aluminum, antimony, arsenic, barium, boron, cadmium, calcium, chromium, chromium (VI), cobalt, lead, potassium, titanium, silicon, sodium, strontium, zinc and zirconium respectively), except molybdenum RL = 0.001%

* * * End of Test Report * * *

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