

# TEST REPORT Job No./Report NoTR1598590-RV1 Date:10 February 2020 Page 1 of 17

## FİKRET YILDIRIM AMT İLERİ METAL TEKNOLOJİLERİ

İNÖNÜ MH CENK CD İKIZLER SK NO 5 34295 SEFAKÖY İSTANBUL TEL: 5445046434

### To the attention of Fikret Yıldırım

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

SGS Job No. Product Name Buyer Manufacturer	:	1598590-RV1 Pipe Clamp FİKRET YILDIRIM AMT İLERİ METAL TEKNOLOJİLERİ REHA KELEPÇE VE BAĞLANTI ELEMANLARI SAN. TİC. LTD. ŞTİ.
Country of Destination Date of Sample Received Resubmit Date Testing Period	:	ENGLAND 6 September 2019 10 February 2020 6 September 2019 ~ 17 September 2019

Test Requested

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

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 Two hundred and one (201) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before July 16, 2019 regarding Regulation (EC) No 1907/2006 concerning the REACH.

Test Result(s)

Please refer to next page(s).

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The test results relate to the tested items only. Test reports without SGS seal and authorised signatures are invalid.

## IN THIS REVISED-1 REPORT, APPLICANT NAME WAS CHANGED BY THE REQUEST OF THE APPLICANT.

## THIS REPORT SUPERSEDES OUR REPORT NO: TR1598590 DATED: 17.09.2019

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

Uğur Yılmaz	Bora Şirinbilek
Hardline & CPCH <u>Customer Services Team Leader</u>	Hardline & CPCH Testing Services Manager
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#### Summary :

According to the specified scope and analytical techniques, SVHC with concentration > 0.1% (w/w) detected in the submitted sample: - Lead	
Potential SVHC with concentration > 0.1% (w/w) that could be present in the submitted sample: <ul> <li>Trilead dioxide phosphonate*</li> <li>Trilead bis(carbonate)dihydroxide*</li> <li>Tetralead trioxide sulphate*</li> <li>Sulfurous acid, lead salt, dibasic*</li> <li>Pentalead tetraoxide sulphate*</li> <li>Lead tetroxide*</li> <li>Lead tetroxide*</li> <li>Lead monoxide*</li> <li>Fatty acids, C16-18, lead salts*</li> <li>Dioxobis(stearato)trilead*</li> <li>* Please refer to Note 2 on the following page</li> </ul>	WARNING (Remark 2 and 3)

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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:
  - <u>https://echa.europa.eu/candidate-list-table(Candidate list)</u>

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.

### Test Sample :

Sample Description: A. Pipe Clamp

Sample No.	Component No.	Component Description	Remark
A	1.	Silver metal top main	-
A	2.	Silver metal bottom main	-
A	3.	Silver metal screw	-
A	4.	Black plastic soft main	-
A	5.	Red plastic ring main	-

### <u>Remarks :</u>

- 1. \* 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 individual componen
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No	Substance Name	CAS No./		Concentration (%)		
No.	Substance Name	EC No.	RL (%)	<u>A1+A2+A3</u>	<u>A4+A5</u>	
-	Inorganic SVHC	-	-	ND	-	
-	All Other Tested SVHC	-	-	-	ND	
189	Lead	7439-92-1 / 231-100-4	0.001	-	0,1040	
138	Trilead dioxide phosphonate*	12141-20-7/ 235-252-2	0.001	-	0,1227	
137	Trilead bis(carbonate)dihydroxide*	1319-46-6/ 215-290-6	0.001	-	0,1298	
135	Tetralead trioxide sulphate*	12202-17-4/ 235-380-9	0.001	-	0,1221	
133	Sulfurous acid, lead salt, dibasic*	62229-08-7/ 263-467-1	0.001	-	0,1326	
128	Pentalead tetraoxide sulphate*	12065-90-6/ 235-067-7	0.001	-	0,1201	
118	Lead tetroxide*	1314-41-6/ 215-235-6	0.001	-	0,1147	
117	Lead oxide sulphate*	12036-76-9/ 234-853-7	0.001	-	0,1321	
116	Lead monoxide*	1317-36-8/ 215-267-0	116	-	0,1120	
107	Fatty acids, C16-18, lead salts*	91031-62-8/ 292-966-7	0.001	-	0,3880	
106	Dioxobis(stearato)trilead*	12578-12-0/ 235-702-8	0.001	-	0,2040	
85	[Phthalato(2-)]dioxotrilead*	69011-06-9/ 273-688-5	85	-	0,1368	

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#### Notes :

- RL = Reporting Limit. All RL are based on homogenous material ND = Not detected (lower than RL), ND is denoted on the SVHC substance. NA<sup>A</sup> = 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 excluded 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 = 0.001% 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 = 0.0001%

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.

Doc No.:CTSL-F-5.10-111NF / First Publish Date:07.01.2015 / Revision Date / No.: 25.07.2019 / 13

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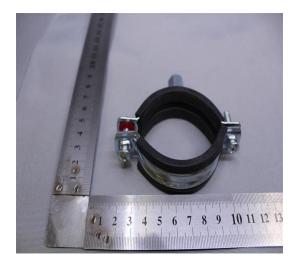
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Sample photo:



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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
Can	didate List of Substances of Ve	ery High Conc	ern (SV	HC)	for authorization published on (	Oct 28, 2008	
1	4,4'-Diaminodiphenylmethane (MDA)	101-77-9/ 202-974-4	0.010	2	5-tert-butyl-2,4,6-trinitro- <i>m</i> - xylene (musk xylene)	81-15-2/ 201-329-4	0.010
3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8/ 287-476-5	0.010	4	Anthracene	120-12-7/ 204-371-1	0.010
5	Benzyl butyl phthalate (BBP)	85-68-7/ 201-622-7	0.010	6	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7/ 204-211-0	0.010
7	Bis(tributyltin)oxide (TBTO)	56-35-9/ 200-268-0	0.010	8	Cobalt dichloride*	7646-79-9/ 231-589-4	0.001
9	Diarsenic pentaoxide*	1303-28-2/ 215-116-9	0.001	10	Diarsenic trioxide*	1327-53-3/ 215-481-4	0.001
11	Dibutyl phthalate (DBP)	84-74-2/ 201-557-4	0.010	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/-)	0.010
13	Lead hydrogen arsenate*	7784-40-9/ 232-064-2	0.001	14	Sodium dichromate*	7789-12-0 10588-01-9/ 234-190-3	0.001
15	Triethyl arsenate*	15606-95-8/ 427-700-2	0.001				
Can	didate List of Substances of Ve	ery High Conce	ern (SV	HC)	for authorization published on	Jan 13, 2010	
16	2,4-Dinitrotoluene	121-14-2/ 204-450-0	0.010	17	Anthracene oil*	90640-80-5/ 292-602-7	0.010
18	Anthracene oil, anthracene paste*	90640-81-6/ 292-603-2	0.010	19	Anthracene oil, anthracene paste, anthracene fraction*	91995-15-2/ 295-275-9	0.010
20	Anthracene oil, anthracene paste; distn. Lights*	91995-17-4/ 295-278-5	0.010	21	Anthracene oil, anthracene- low*	90640-82-7/ 292-604-8	0.010
22	Diisobutyl phthalate	84-69-5/ 201-553-2	0.010	23	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)*	12656-85-8/ 235-759-9	0.001

#### Appendix

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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
24	Lead chromate*	7758-97-6/ 231-846-0	0.001	25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2/ 215-693-7	0.001
26	Pitch, coal tar, high temp.*	65996-93-2/ 266-028-2	0.010	27	Tris(2-chloroethyl)phosphate	115-96-8/ 204-118-5	0.010
Can	didate List of Substances of Ve	ery High Conce	ern (SV	HC)	for authorization published on N	Mar 30, 2010	
28	Acrylamide	79-06-1/ 201-173-7	0.010				
Can	didate List of Substances of Ve	ery High Conce	ern (SV	HC) i	for authorization published on .	Jun 18, 2010	
29	Ammonium dichromate*	7789-09-5/ 232-143-1	0.001	30	Boric acid*	10043-35-3/ 233-139-2; 11113-50-1/ 234-343-4	0.001
31	Disodium tetraborate, anhydrous*	1303-96-4 1330-43-4 12179-04-3/ 215-540-4	0.001	32	Potassium chromate*	7789-00-6/ 232-140-5	0.001
33	Potassium dichromate*	7778-50-9/ 231-906-6	0.001	34	Sodium chromate*	7775-11-3/ 231-889-5	0.001
35	Tetraboron disodium heptaoxide, hydrate*	12267-73-1/ 235-541-3	0.001	36	Trichloroethylene	79-01-6/ 201-167-4	0.010
	Candidate List of Substances	of Very High	Concer	n (S\	/HC) for authorization publishe	d on Dec 15, 20	)10
37	2-Ethoxyethanol	110-80-5/ 203-804-1	0.010	38	2-Methoxyethanol	109-86-4/ 203-713-7	0.010
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	0.001	40	Chromium trioxide*	1333-82-0/ 215-607-8	0.001
41	Cobalt(II) carbonate*	513-79-1/ 208-169-4	0.001	42	Cobalt(II) diacetate*	71-48-7/ 200-755-8	0.001
43	Cobalt(II) dinitrate*	10141-05-6/ 233-402-1	0.001	44	Cobalt(II) sulphate*	10124-43-3/ 233-334-2	0.001
	Candidate List of Substances	s of Very High	Concer	n (S	VHC) for authorization publishe	d on Jun 20, 20	11
45	1,2,3-Trichloropropane	96-18-4/ 202-486-1	0.010	46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6/ 276-158-1	0.010

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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4/ 271-084-6	0.010	48	1-Methyl-2-pyrrolidone	872-50-4/ 212-828-1	0.010
49	2-Ethoxyethyl acetate	111-15-9/ 203-839-2	0.010	50	Hydrazine	7803-57-8 302-01-2/ 206-114-9	0.010
51	Strontium chromate*	7789-06-2/ 232-142-6	0.001				
	Candidate List of Substances	of Very High	Concer	n (S\	/HC) for authorization publishe	d on Dec 19, 20	11
52	1,2-Dichloroethane	107-06-2/ 203-458-1	0.010	53	2,2'-dichloro-4,4'- methylenedianiline (MOCA)	101-14-4/ 202-918-9	0.010
54	2-Methoxyaniline	90-04-0/ 201-963-1	0.010	55	4-tert-Octylphenol	140-66-9/ 205-426-2	0.010
56	Aluminosilicate Refractory Ceramic Fibres*	650-017-00- 8 (Index no.)	0.001	57	Arsenic acid*	7778-39-4/ 231-901-9	0.001
58	Bis(2-methoxyethyl) ether	111-96-6/ 203-924-4	0.010	59	Bis(2-methoxyethyl) phthalate	117-82-8/ 204-212-6	0.010
60	Calcium arsenate*	7778-44-1/ 231-904-5	0.001	61	Dichromium tris(chromate)*	24613-89-6/ 246-356-2	0.001
62	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4/ 500-036-1	0.010	63	Lead diazide*	13424-46-9/ 236-542-1	0.001
64	Lead dipicrate*	6477-64-1/ 229-335-2	0.001	65	Lead styphnate*	15245-44-0/ 239-290-0	0.001
66	N,N-dimethylacetamide (DMAC)	127-19-5/ 204-826-4	0.010	67	Pentazinc chromate octahydroxide*	49663-84-5/ 256-418-0	0.001
68	Phenolphthalein	77-09-8/ 201-004-7	0.010	69	Potassium hydroxyoctaoxodizincatedichr omate*	11103-86-9/ 234-329-8	0.001
70	Trilead diarsenate*	3687-31-8/ 222-979-5	0.001	71	Zirconia Aluminosilicate Refractory Ceramic Fibres*	650-017-00-8 (Index no.)	0.001
	Candidate List of Substances	of Very High	Concer	n (Sʻ	VHC) for authorization publishe	d on Jun 18, 20	12
72	[4-[[4-anilino-1-naphthyl]][4- (dimethylamino)phenyl]methyl ene]cyclohexa-2,5-dien-1- ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5/ 219-943-6	0.010	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	0.010

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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
74	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2/ 203-977-3	0.010	75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4/ 203-794-9	0.010
76	4,4'-bis(dimethylamino) benzophenone (Michler's Ketone)	90-94-8/ 202-027-5	0.010	77	4,4'-bis(dimethylamino)-4''- (methylamino)trityl alcohol	561-41-1/ 209-218-2	0.010
78	Diboron trioxide*	1303-86-2/ 215-125-8	0.001	79	Formamide	75-12-7/ 200-842-0	0.010
80	Lead(II) bis(methanesulfonate)*	17570-76-2/ 401-750-5	0.001	81	N,N,N',N'-tetramethyl-4,4'- methylenedianiline (Michler's base)	101-61-1/ 202-959-2	0.010
82	TGIC (1,3,5- tris(oxiranylmethyl)-1,3,5- triazine-2,4,6(1H,3H,5H)- trione)	2451-62-9/ 219-514-3	0.010	83	α,α-Bis[4- (dimethylamino)phenyl]-4 (phenylamino)naphthalene-1- methanol (C.I. Solvent Blue 4)	6786-83-0/ 229-851-8	0.010
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/ 423-400-0	0.010				
	Candidate List of Substances	of Very High	Concer	n (S\	/HC) for authorization publishe	d on Dec 19, 20	)12
85	[Phthalato(2-)]dioxotrilead*	69011-06-9/ 273-688-5	0.001	86	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0/ 284-032-2	0.010
87	1,2-Diethoxyethane	629-14-1/ 211-076-1	0.010	88	1-Bromopropane	106-94-5/ 203-445-0	0.010
89	3-Ethyl-2-methyl-2-(3- methylbutyl)-1,3-oxazolidine	143860-04- 2/ 421-150-7	0.010	90	4-(1,1,3,3- tetramethylbutyl)phenol, ethoxylated	-	0.010
91	4,4'-Methylenedi- <i>o</i> -toluidine	838-88-0/ 212-658-8	0.010	92	4,4'-Oxydianiline	101-80-4/ 202-977-0	0.010
93	4-Aminoazobenzene	60-09-3/ 200-453-6	0.010	94	4-Methyl- <i>m</i> - phenylenediamine	95-80-7/ 202-453-1	0.010
95	4-Nonylphenol, branched and linear	-	0.010	96	6-Methoxy- <i>m</i> -toluidine	120-71-8/ 204-419-1	0.010
97	Acetic acid, lead salt, basic*	51404-69-4/ 257-175-3	0.001	98	Biphenyl-4-ylamine	92-67-1/ 202-177-1	0.010
99	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5/ 214-604-9	0.010	10 0	C,C'-azodi(formamide) (ADCA)	123-77-3/ 204-650-8	0.010

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## **TEST REPORT**

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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
10 1	Dibutyltin dichloride (DBT)	683-18-1/ 211-670-0	0.010	10 2	Diethyl sulphate	64-67-5/ 200-589-6	0.010
10 3	Diisopentylphthalate (DIPP)	605-50-5/ 210-088-4	0.010	10 4	Dimethyl sulphate	77-78-1/ 201-058-1	0.010
10 5	Dinoseb	88-85-7/ 201-861-7	0.010	10 6	Dioxobis(stearato)trilead*	12578-12-0/ 235-702-8	0.001
10 7	Fatty acids, C16-18, lead salts*	91031-62-8/ 292-966-7	0.001	10 8	Furan	110-00-9/ 203-727-3	0.010
10 9	Henicosafluoroundecanoic acid	2058-94-8/ 218-165-4	0.010	11 0	Heptacosafluorotetradecanoi c acid	376-06-7/ 206-803-4	0.010
11 1	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	0.010	11 2	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	0.010
11 3	Lead bis(tetrafluoroborate)*	13814-96-5/ 237-486-0	0.001	11 4	Lead cyanamidate*	20837-86-9/ 244-073-9	0.001
11 5	Lead dinitrate*	10099-74-8/ 233-245-9	0.001	11 6	Lead monoxide*	1317-36-8/ 215-267-0	0.001
11 7	Lead oxide sulphate*	12036-76-9/ 234-853-7	0.001	11 8	Lead tetroxide*	1314-41-6/ 215-235-6	0.001
11 9	Lead titanium trioxide*	12060-00-3/ 235-038-9	0.001	12 0	Lead titanium zirconium oxide*	12626-81-2/ 235-727-4	0.001
12 1	Methoxyacetic acid	625-45-6/ 210-894-6	0.010	12 2	N,N-Dimethylformamide	68-12-2/ 200-679-5	0.010
12 3	N-Methylacetamide	79-16-3/ 201-182-6	0.010	12 4	N-Pentyl-isopentylphthalate	776297-69-9 /-	0.010
12 5	o-Aminoazotoluene	97-56-3/ 202-591-2	0.010	12 6	<i>o</i> -Toluidine	95-53-4/ 202-429-0	0.010
12 7	Pentacosafluorotridecanoic acid	72629-94-8/ 276-745-2	0.010	12 8	Pentalead tetraoxide sulphate*	12065-90-6/ 235-067-7	0.001
12 9	Propylene oxide	75-56-9/ 200-879-2	0.010	13 0	Pyrochlore, antimony lead yellow*	8012-00-8/ 232-382-1	0.001
13 1	Silicic acid, barium salt, lead- doped*	68784-75-8/ 272-271-5	0.001	13 2	Silicic acid, lead salt*	11120-22-2/ 234-363-3	0.001
13 3	Sulfurous acid, lead salt, dibasic*	62229-08-7/ 263-467-1	0.001	13 4	Tetraethyllead*	78-00-2/ 201-075-4	0.001

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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)				
13 5	Tetralead trioxide sulphate*	12202-17-4/ 235-380-9	0.001	13 6	Tricosafluorododecanoic acid	307-55-1/ 206-203-2	0.010				
	Trilead bis(carbonate)dihydroxide*	1319-46-6/ 215-290-6	0.001	13 8	Trilead dioxide phosphonate*	12141-20-7/ 235-252-2	0.001				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 20, 2013											
	4-Nonylphenol, branched and linear, ethoxylated	-	0.010		Ammoniumpentadecafluoro octanoate (APFO)	3825-26-1/ 223-320-4	0.010				
14 1	Cadmium	7440-43-9/ 231-152-8	0.001	14 2	Cadmium oxide*	1306-19-0/ 215-146-2	0.001				
14 3	Di-n-pentyl phthalate	131-18-0/ 205-017-9	0.010		Pentadecafluorooctanoic acid (PFOA)	335-67-1/ 206-397-9	0.010				
	Candidate List of Substances	of Very High	Concer	n (S\	/HC) for authorization publishe	d on Dec 16, 20	)13				
14 5	Cadmium sulphide*	1306-23-6/ 215-147-8	0.001	14 6	Dihexyl phthalate	84-75-3/ 201-559-5	0.010				
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	0.010	14 8	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	0.010				
	Imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7/ 202-506-9	0.010	15 0	Lead di(acetate)*	301-04-2/ 206-104-4	0.001				
15 1	Trixylyl phosphate	25155-23- 1/ 246-677-8	0.010								
	Candidate List of Substances	of Very High	Concer	n (S	VHC) for authorization publishe	d on Jun 16, 20	14				
15 2	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50- 4/ 271-093-5	0.010	15 3	Cadmium chloride*	10108-64-2/ 233-296-7	0.001				
	Sodium perborate; perboric acid, sodium salt*	- / 234-390- 0; 239-172-9	0.001	15 5	Sodium peroxometaborate*	7632-04-4/ 231-556-4	0.001				
	Candidate List of Substances	of Very High	Concer	n (S\	/HC) for authorization publishe	d on Dec 17, 20	14				
	2-benzotriazol-2-yl-4,6-di-tert- butylphenol (UV-320)	3846-71-7 / 223-346-6	0.010		2-(2H-benzotriazol-2-yl)-4,6- ditertpentylphenol (UV-328)	25973-55-1 / 247-384-8	0.010				

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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)	
	2-ethylhexyl 10-ethyl-4,4- dioctyl-7-oxo-8-oxa-3,5-dithia- 4-stannatetradecanoate; DOTE	15571-58-1 / 239-622-4	0.010		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)	-	0.010	
16 0	Cadmium fluoride*	7790-79-6 / 232-222-0	0.001	16 1	Cadmium sulphate*	10124-36-4; 31119-53-6 / 233-331-6	0.001	
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun15, 2015								
16 2	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2- benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\ge 0.3\%$ of dihexyl phthalate (EC No. 201-559-5)	68515-51-5; 68648-93-1/ 271-094-0; 272-013-1	0.010	16 3	5-sec-butyl-2-(2,4- dimethylcyclohex-3-en-1-yl)- 5-methyl-1,3-dioxane [1], 5- sec-butyl-2-(4,6- dimethylcyclohex-3-en-1-yl)- 5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]	-	0.010	
	Candidate List of Substances	of Very High	Concerr	ה (S\	/HC) for authorization publishe	d on Dec 17, 20	15,	
16 4	1,3-propanesultone	1120-71-4 / 214-317-9	0.010	16 5	2,4-di-tert-butyl-6-(5- chlorobenzotriazol-2- yl)phenol (UV-327)	3864-99-1 / 223-383-8	0.010	
16 6	2-(2H-benzotriazol-2-yl)-4- (tert-butyl)-6-(sec- butyl)phenol (UV-350)	36437-37-3 / 253-037-1	0.010	16 7	Nitrobenzene	98-95-3 / 202-716-0	0.010	
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	0.010					
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	0.010					

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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 Jan 12, 2017									
17 0	4,4'-Isopropylidenediphenol (Bisphenol A)	80-05-7 / 201-245-8	0.010	17 1	4-Heptylphenol, branched and linear	-	0.010		
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	0.010	17 3	p-(1,1-dimethylpropyl)phenol	80-46-6 / 201-280-9	0.010		
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jul 7, 2017									
	Perfluorohexane-1-sulphonic acid and its salts	-	0.010						
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jan 15, 2018									
17 5	Benz[a]anthracene	56-55-3; 1718-53-2/ 200-280-6	0.010	17 6	Cadmium carbonate*	513-78-0/ 208-168-9	0.001		
17 7	Cadmium hydroxide*	21041-95-2/ 244-168-5	0.001	17 8	Cadmium nitrate*	10022-68-1; 10325-94-7/ 233-710-6	0.001		
17 9	Chrysene	218-01-9; 1719-03-5/ 205-923-4	0.010	18 0	Dodecachloropentacyclo[12.2 .1.1 <sup>6.9</sup> .0 <sup>2,13</sup> .0 <sup>5,10</sup> ]octadeca- 7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn- isomers or any combination thereof]	-	0.010		
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]	-	0.010						
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 27, 2018									
	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (TMA)	552-30-7 / 209-008-0	0.010	18 3	Benzo[ghi]perylene	191-24-2 / 205-883-8	0.010		
	Decamethylcyclopentasiloxan e (D5)	541-02-6 / 208-764-9	0.010	18 5	Dicyclohexyl phthalate (DCHP)	84-61-7 / 201-545-9	0.010		
18 6	Disodium octaborate*	12008-41-2 / 234-541-0	0.001	18 7	Dodecamethylcyclohexasilox ane (D6)	540-97-6 / 208-762-8	0.010		

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In this Test Report tests marked (1) are included in the IAS Accreditation Scope of this Laboratory. Opinions and interpretations expressed herein are outside the scope of IAS Accreditation.



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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)		
18 8	Ethylenediamine (EDA)	107-15-3 / 203-468-6	0.010	18 9	Lead	7439-92-1 / 231-100-4	0.001		
19 0	Octamethylcyclotetrasiloxane (D4)	556-67-2 / 209-136-7	0.010	19 1	Terphenyl, hydrogenated	61788-32-7 / 262-967-7	0.010		
	Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jan 15, 2019								
19 2	2,2-Bis(4'-hydroxyphenyl)-4- methylpentane	6807-17-6 / 401-720-1	0.010	19 3	Benzo[k]fluoranthene	207-08-9 / 205-916-6	0.010		
19 4	Fluoranthene	206-44-0 / 205-912-4	0.010	19 5	Phenanthrene	85-01-8 / 201- 581-5	0.010		
19 6	Pyrene	129-00-0 / 204-927-3	0.010	-	Undecafluorohexanoic acid and its ammonium salt	307-24-4; 21615-47-4 / 206-196-6; 244-479-6	0.010		
	Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jul 16, 2019								
	2,3,3,3-Tetrafluoro-2- (heptafluoropropoxy)propionic acid, its salts and its acyl halides [covering any of their individual isomers and combinations thereof]	-	0.010	19 9	2-Methoxyethyl acetate	110-49-6 / 203-772-9	0.010		
20 0	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4- nonylphenol, branched and linear (4-NP)	-	0.010	20 1	4-tert-butylphenol	98-54-4 / 202- 679-0	0.010		

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#### 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/Managementof-SVHC.aspx

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

RL = 0.001% 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 = 0.0001%

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

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