TEST REPORT (SVHC)

Shenzhen Red Star Electronics Co., Ltd.
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The following sample(s) was/were submitted and identified on behalf of clients as :

Applicant No	:	HX1711152449
Product	:	USB Lanyard Cable
Model No.	:	RXD-888
Date of Sample Received	:	2017-11-15
Test Period	:	2017-11-15 – 2017-11-21
Test Requested	:	As requested by client, SVHC screening is performed according to: (i) Seventy three (174) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Jul. 07, 2017 regarding Regulation (EC) No 1907/2006 concerning the REACH.
Test Results	:	Please refer to next page(s).

Summary:

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

Signed For Shenzhen HX

Andy Zhang
Manager

Sample as received are classified as below categories:

Description
Polymers: (i.e. PVC, PET, ABS, Rubber)
Metals: (i.e. Alloy, Stainless, Aluminum)
PCBA / Composite: (i.e. PCB, IC)
Non-Metal and Non-Polymers: (i.e. Textile, Paper, Leather, Wood)
Glass / Ceramic
Others: (i.e. Chemical Substance or Preparation, Desiccant, Carbon/Ink in Cartridge)

Remark:

1. Definition of classification is listed in **Appendix A** of this report in accordance with 67/548/EEC and Regulation(EC) No. 1907/2006

Test Method:

1. Acid digestion and analyzed by ICP-OES;
2. Solvent extraction and analyzed by GC/MS and GC/ECD.

Remark:

1. The chemical analysis of 174 SVHC is performed by means of currently available analytical techniques against the list published by ECHA on Jul. 07, 2017.
   (refer to) http://echa.europa.eu/web/guest/candidate-list-table
2. In accordance with Regulation (EC) No. 1907/2006, any producer or importer of articles shall notify ECHA, in accordance with paragraph 2 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 tonne 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).
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.
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 result: (Substances in the Candidate List of SVHC)

NO.	Substance Name	EC No.	CAS No.	Concetration (%)	RL (%)
1	4,4'-Diaminodiphenylmethane	202-974-4	101-77-9	ND	0.050
2	5-tert-butyl-2,4,6-trinitro-m-xylene	201-329-4	81-15-2	ND	0.050
3	Alkanes, C10-13 chloro (short chain chlorinated paraffins, SCCP)	287-476-5	85535-84-8	ND	0.050
4	Anthracene	204-371-1	120-12-7	ND	0.050
5	Diarsenic pentaoxide	215-116-9	1303-28-2	ND	0.050
6	Diarsenic trioxide	215-481-4	1327-53-3	ND	0.050
7	Bis(2-ethylhexyl)phthalate	204-211-0	117-81-7	ND	0.050
8	Bis(tributyltin)oxide (TBTO)	200-268-0	56-35-9	ND	0.050
9	Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	ND	0.050
10	Cobalt dichloride	231-589-4	7646-79-9	ND	0.050
11	Dibutyl phthalate (DBP)	201-557-4	84-74-2	ND	0.050
12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α-HBCDD, β- HBCDD, γ-HBCDD)	247-148-4 221-695-9	25637-99-4; 3194-556 (134237-51-7 134237-50-6, 134237-52-8)	ND	0.050
13	Lead hydrogen arsenate	232-064-2	7784-40-9	ND	0.050
14	Sodium dichromate	234-190-3	7789-12-0 10588-01-9	ND	0.050
15	Triethyl arsenate	427-700-2	15606-95-8	ND	0.050
16	Anthracene oil	292-602-7	90640-80-5	ND	0.050
17	Anthracene oil, anthracene paste,distn. Lights	295-278-5	91995-17-4	ND	0.050
18	Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2	ND	0.050
19	Anthracene oil, anthracene-low	292-604-8	90640-82-7	ND	0.050
20	Anthracene oil, anthracene paste	292-603-2	90640-81-6	ND	0.050
21	Pitch, coal tar, high temp.	266-028-2	65996-93-2	ND	0.050
22	Tris(2-chloroethyl)phosphate	204-118-5	115-96-8	ND	0.050

23	2,4-Dinitrotoluene (2,4-DNT)	204-450-0	121-14-2	ND	0.050
24	Diisobutyl phthalate（DIBP）	201-553-2	84-69-5	ND	0.050
25	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	235-759-9	12656-85-8	ND	0.050
26	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	1344-37-2	ND	0.050
27	Lead chromate	231-846-0	7758-97-6	ND	0.050
28	Acrylamide	201-173-7	79-06-1	ND	0.050
29	Trichloroethylene	201-167-4	79-01-6	ND	0.050
30	Boric acid	233-139-2 234-343-4	10043-35-3 11113-50-1	ND	0.050
31	Disodium tetraborate, anhydrous	215-540-4	1303-96-4 1330-43-4 12179-04-3	ND	0.050
32	Tetraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1	ND	0.050
33	Sodium chromate	231-889-5	7775-11-3	ND	0.050
34	Potassium chromate	232-140-5	7789-00-6	ND	0.050
35	Ammonium dichromate	232-143-1	7789-09-5	ND	0.050
36	Potassium dichromate	231-906-6	7778-50-9	ND	0.050
37	Cobalt(II) sulphate	233-334-2	10124-43-3	ND	0.050
38	Cobalt(II) dinitrate	233-402-1	10141-05-6	ND	0.050
39	Cobalt (II) carbonate	208-169-4	513-79-1	ND	0.050
40	Cobalt(II) diacetate	200-755-8	71-48-7	ND	0.050
41	2-Methoxyethanol	203-713-7	109-86-4	ND	0.050
42	2-Ethoxyethanol	203-804-1	110-80-5	ND	0.050
43	Chromium trioxide	215-607-8	1333-82-0	ND	0.050
44	Acids generated from chromium trioxide and their oligomers Group containing: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid	231-801-5 236-881-5	7738-94-5 13530-68-2	ND	0.050

45	2-ethoxyethyl acetate	203-839-2	111-15-9	ND	0.050
46	Strontium chromate	232-142-6	7789-6-2	ND	0.050
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	271-084-6	68515-42-4	ND	0.050
48	Hydrazine	206-114-9	302-01-2 7803-57-8	ND	0.050
49	1-methyl-2-pyrrolidone	212-828-1	872-50-4	ND	0.050
50	1,2,3-trichloropropane	202-486-1	96-18-4	ND	0.050
51	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	276-158-1	71888-89-6	ND	0.050
52	Dichromium tris(chromate)	246-356-2	24613-89-6	ND	0.050
53	Potassium hydroxyoctaoxodizincatedi -chromate	234-329-8	11103-86-9	ND	0.050
54	Pentazinc chromate octahydroxide	256-418-0	49663-84-5	ND	0.050
55	Aluminosilicate Refractory Ceramic Fibres (RCF)	-	-	ND	0.050
56	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)	-	-	ND	0.050
57	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	500-036-1	25214-70-4	ND	0.050
58	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	ND	0.050
59	2-Methoxyaniline;o-Anisidine	201-963-1	90-04-0	ND	0.050
60	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	205-426-2	140-66-9	ND	0.050
61	1,2-Dichloroethane	203-458-1	107-06-2	ND	0.050
62	Bis(2-methoxyethyl) ether	203-924-4	111-96-6	ND	0.050
63	Arsenic acid	231-901-9	7778-39-4	ND	0.050
64	Calcium arsenate	231-904-5	7778-44-1	ND	0.050

65	Trilead diarsenate	222-979-5	3687-31-8	ND	0.050
66	N,N-dimethylacetamide (DMAC)	204-826-4	127-19-5	ND	0.050
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	202-918-9	101-14-4	ND	0.050
68	Phenolphthalein	201-004-7	77-09-8	ND	0.050
69	Lead azide Lead diazide	236-542-1	13424-46-9	ND	0.050
70	Lead styphnate	239-290-0	15245-44-0	ND	0.050
71	Lead dipicrate	229-335-2	6477-64-1	ND	0.050
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	203-977-3	112-49-2	ND	0.050
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	ND	0.050
74	Diboron trioxide	215-125-8	1303-86-2	ND	0.050
75	Formamide	200-842-0	75-12-7	ND	0.050
76	Lead(II) bis(methanesulfonate)	401-750-5	17570-76-2	ND	0.050
77	1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione (TGIC)	219-514-3	2451-62-9	ND	0.050
78	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	423-400-0	59653-74-6	ND	0.050
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8	ND	0.050
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1	ND	0.050
81	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC	219-943-6	2580-56-5	ND	0.050

	No. 202-959-2)]				
82	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	208-953-6	548-62-9	ND	0.050
83	4,4'-bis(dimethylamino)-4''-(methyl amino)trityl alcohol [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	209-218-2	561-41-1	ND	0.050
84	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	229-851-8	6786-83-0	ND	0.050
85	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	214-604-9	1163-19-5	ND	0.050
86	Pentacosafluorotridecanoic acid	276-745-2	72629-94-8	ND	0.050
87	Tricosafluorododecanoic acid	206-203-2	307-55-1	ND	0.050
88	Henicosafluoroundecanoic acid	218-165-4	2058-94-8	ND	0.050
89	Heptacosafluorotetradecanoic acid	206-803-4	376-06-7	ND	0.050
90	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	204-650-8	123-77-3	ND	0.050
91	Cyclohexane-1,2-dicarboxylic anhydride	201-604-9, 236-086-3, 238-009-9	85-42-7, 13149-00-3, 14166-21-3	ND	0.050
92	Hexahydromethylphthalic anhydride	247-094-1, 243-072-0,	25550-51-0, 19438-60-9,	ND	0.050

	Hexahydro-4-methylphthalic anhydride Hexahydro-1-methylphthalic anhydride Hexahydro-3-methylphthalic anhydride	256-356-4, 260-566-1	48122-14-1, 57110-29-9		
93	4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	-	-	ND	0.050
94	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	-	ND	0.050
95	Methoxyacetic acid	210-894-6	625-45-6	ND	0.050
96	N,N-dimethylformamide	200-679-5	68-12-2	ND	0.050
97	Dibutyltin dichloride (DBT)	211-670-0	683-18-1	ND	0.050
98	Lead monoxide (Lead oxide)	215-267-0	1317-36-8	ND	0.050
99	Orange lead (Lead tetroxide)	215-235-6	1314-41-6	ND	0.050
100	Lead bis(tetrafluoroborate)	237-486-0	13814-96-5	ND	0.050
101	Trilead bis(carbonate) dihydroxide	215-290-6	1319-46-6	ND	0.050
102	Lead titanium trioxide	235-038-9	12060-00-3	ND	0.050
103	Lead titanium zirconium oxide	235-727-4	12626-81-2	ND	0.050
104	Silicic acid, lead salt	234-363-3	11120-22-2	ND	0.050
105	Silicic acid (H2Si2O5), barium salt (1:1), lead-doped [with lead (Pb) content above the applicable generic concentration limit for	272-271-5	68784-75-8	ND	0.050

	'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]				
106	1-bromopropane (n-propylbromide)	203-445-0	106-94-5	ND	0.050
107	Methyloxirane (Propylene oxide)	200-879-2	75-56-9	ND	0.050
108	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0	ND	0.050
109	Diisopentylphthalate (DIPP)	210-088-4	605-50-5	ND	0.050
110	N-pentyl-isopentylphthalate	-	776297-69-9	ND	0.050
111	1,2-diethoxyethane	211-076-1	629-14-1	ND	0.050
112	Acetic acid, lead salt, basic	257-175-3	51404-69-4	ND	0.050
113	Lead oxide sulfate	234-853-7	12036-76-9	ND	0.050
114	[Phthalato(2-)]dioxotrilead	273-688-5	69011-06-9	ND	0.050
115	Dioxobis(stearato)trilead	235-702-8	12578-12-0	ND	0.050
116	Fatty acids, C16-18, lead salts	292-966-7	91031-62-8	ND	0.050
117	Lead cynamidate	244-073-9	20837-86-9	ND	0.050
118	Lead dinitrate	233-245-9	10099-74-8	ND	0.050
119	Pentalead tetraoxide sulphate	235-067-7	12065-90-6	ND	0.050
120	Pyrochlore, antimony lead yellow	232-382-1	8012-00-8	ND	0.050
121	Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7	ND	0.050
122	Tetraethyllead	201-075-4	78-00-2	ND	0.050
123	Tetralead trioxide sulphate	235-380-9	12202-17-4	ND	0.050
124	Trilead dioxide phosphonate	235-252-2	12141-20-7	ND	0.050
125	Furan	203-727-3	110-00-9	ND	0.050
126	Diethyl sulphate	200-589-6	64-67-5	ND	0.050
127	Dimethyl sulphate	201-058-1	77-78-1	ND	0.050
128	3-ethyl-2-methyl-2-(3-methylbutyl) -1,3-oxazolidine	421-150-7	143860-04-2	ND	0.050
129	(6-*sec*-butyl-2,4-dinitrophenol)	201-861-7	88-85-7	ND	0.050
130	4,4'-methylenedi-*o*-toluidine	212-658-8	838-88-0	ND	0.050

131	4,4'-oxydianiline and its salts	202-977-0	101-80-4	ND	0.050
132	4-aminoazobenzene	200-453-6	60-09-3	ND	0.050
133	4-methyl-*m*-phenylenediamne (toluene-2,4-diamine)	202-453-1	95-80-7	ND	0.050
134	6-methoxy-*m*-toluidine (p-cresidine)	204-419-1	120-71-8	ND	0.050
135	Biphenyl-4-ylamine	202-177-1	92-67-1	ND	0.050
136	*o*-aminoazotoluene [(4-*o*-tolylazo-*o*-toluidine]	202-591-2	97-56-3	ND	0.050
137	*o*-toluidine	202-429-0	95-53-4	ND	0.050
138	N-methylacetamide	201-182-6	79-16-3	ND	0.050
139	Cadmium	231-152-8	7440-43-9	ND	0.050
140	Cadmium oxide	215-146-2	1306-19-0	ND	0.050
141	Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1	ND	0.050
142	Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1	ND	0.050
143	Dipentyl phthalate (DPP)	205-017-9	131-18-0	ND	0.050
144	4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	-	-	ND	0.050
145	Cadmium sulphide	215-147-8	1306-23-6	ND	0.050
146	Dihexyl phthalate	201-559-5	84-75-3	ND	0.050
147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(az	209-358-4	573-58-0	ND	0.050

	o)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)				
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)	217-710-3	1937-37-7	ND	0.050
149	Imidazolidine-2-thione; 2-imidazoline-2-thiol	202-506-9	96-45-7	ND	0.050
150	Lead di(acetate)	206-104-4	301-04-2	ND	0.050
151	Trixylyl phosphate	246-677-8	25155-23-1	ND	0.050
152	Cadmium chloride	233-296-7	10108-64-2	ND	0.050
153	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-5	68515-50-4	ND	0.050
154	Sodium peroxometaborate	231-556-4	7632-04-4	ND	0.050
155	Sodium perborate; perboric acid, sodium salt	239-172-9; 234-390-0	-	ND	0.050
156	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	223-346-6	3846-71-7	ND	0.050
157	2-(2H-benzotriazol-2-yl)-4,6-ditert pentylphenol (UV-328)	247-384-8	25973-55-1	ND	0.050
158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3, 5-dithia-4-stannatetradecanoate (DOTE)	239-622-4	15571-58-1	ND	0.050
159	Cadmium fluoride	232-222-0	7790-79-6	ND	0.050
160	Cadmium sulphate	233-331-6	10124-36-43 1119-53-6	ND	0.050
161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3, 5-dithia-4-stannatetradecanoate and 2-ethylhexyl	-	-	ND	0.050

	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)				
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)	271-094-0 272-013-1	68515	ND	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]	-	68648	ND	0.050
164	1,3-propanesultone	214-317-9	1120-71-4	ND	0.050
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol	223-383-8	3864-99-1	ND	0.050
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	253-037-1	36437-37-3	ND	0.050
167	Nitrobenzene	202-716-0	98-95-3	ND	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	206-801-3	375-95-1, 21049-39-8 4149-60-4	ND	0.050
169	Benzo[def]chrysene (Benzo[a]pyrene), Benzo[def]chrysene(Benzo[a]pyrene)	200-028-5	50-32-8	ND	0.050
170	p-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	ND	0.050

171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts Ammonium nonadecafluorodecanoate	-	-	ND	0.050
172	4-heptylphenol, branched and linear	-	-	ND	0.050
173	4,4'-isopropylidenediphenol	201-245-8	80-05-7	ND	0.050
174	Perfluorohexane-1-sulphonic acid and its salts	-	-	ND	0.050

Remark:

1*. Calculated concentration of cobalt dichloride is based on the identified cobalt by ICP-OES and the identified chloride by IC method.

Calculated concentration of diarsenic pentaoxide, diarsenic trioxide, lead hydrogen arsenate and triethyl arsenate are based on the identified heavy metal result (i.e. Arsenic, Lead)

Calculated concentrations of sodium dichromate are based on the identified sodium by ICP-OES and the identified chromium (VI) by spectroscopic method. The test result is reported as sodium dichromate (CAS number 10588-01-9). Please note that sodium dichromate dehydrate (CAS number 7789-12-0) is no longer classified as SVHC according to the latest amendment of 67/548/EEC (31th Adapation to Technical progress).

Calculated concentration of bis(tributyltin) oxide TBTO is based on the identified tin by ICP-OES and confirmed by TLC.

Identity of above metal substances present in the article has to be further confirmed.

RL is evaluated for element (i.e. tin, cobalt, chloride, arsenic, lead, sodium, chromium (VI) respectively)

2. N.D. = Not detected (lower than Reporting Limit)

3. RL = Reporting Limit

4. All RL is based on homogenous material
For any parameters involving confirmation test, the RL will be 0.05%

5. In case SVHC <0.1% for articles “No further obligations regarding communication along the supply chain or notification emerge from the analytical findings in the tested sample”
In case SVHC>0.1% for articles “Further obligations regarding communication along the supply chain or notification may emerge from the analytical findings in the tested sample”

Appendix A:

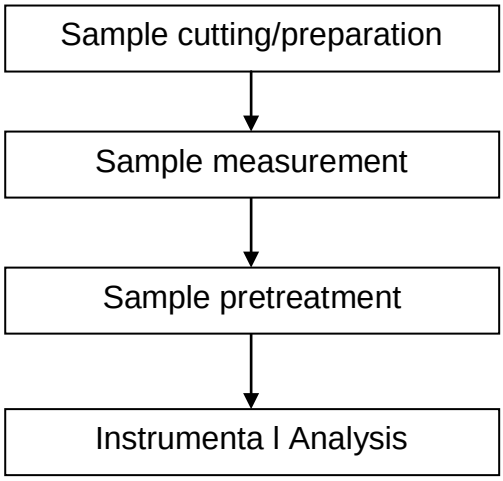
Classification	Definition under 67/548/EEC and Regulation (EC) No. 1907/2006
Carcinogen Category 1:	Substances known to be carcinogenic to man. There is sufficient evidence to establish a causal association between human exposure to a substance and the development of cancer.
Carcinogen Category 2:	Substances which should be regarded as if they are carcinogenic to man. There is sufficient evidence to provide a strong presumption that human exposure to a substance may result in the development of cancer. Generally on the basis of: -appropriate long-term animal studies -other relevant information.
Mutagen Category 1:	Substances known to be mutagenic to man. There is sufficient evidence to establish a causal association between human exposure to a substance and heritable genetic damage.
Mutagen Category 2:	Substances which should be regarded as if they are mutagenic to man. There is sufficient evidence to provide a strong presumption that human exposure to the substance may result in the development of heritable genetic damage, generally on the basis of: – appropriate animal studies – other relevant information.
Toxic to Reproduction Category 1:	Substances know to impair fertility in humans. There is sufficient evidence to establish a causal relationship between human exposure to the substance and impaired fertility. Substances known to cause developmental toxicity in humans. There is sufficient evidence to establish a causal relationship between human exposure to the substance and subsequent development toxic effects in the progeny.
Toxic to Reproduction Category 2:	Substances which should be regarded as if they impair fertility in humans. There is sufficient evidence to provide a strong presumption that human exposure to the substance may result in impaired fertility on the basis of: – clear evidence in animal studies of impaired fertility in the absence of toxic effects, or, evidence of impaired fertility occurring at around the same dose levels as other toxic effects but which is not a secondary nonspecific consequence of the other toxic effects – other relevant information. Substances which should be regarded as if they cause development toxicity to humans. There is sufficient evidence to provide a strong presumption that human exposure to the substance may result in developmental toxicity, generally on the basis of: – clear results in appropriate animal studies where effects have been observed in the absence of signs of marked maternal toxicity, or at around the same dose levels as other toxic effects but which are not a secondary non-specific consequence of the other toxic effects, – Other relevant information.
PBT & vPvB	Substances which are persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) pose a particular challenge to the chemicals safety management. For these substances a “safe” concentration in the environment cannot be established with sufficient reliability.

ATTACHMENTS

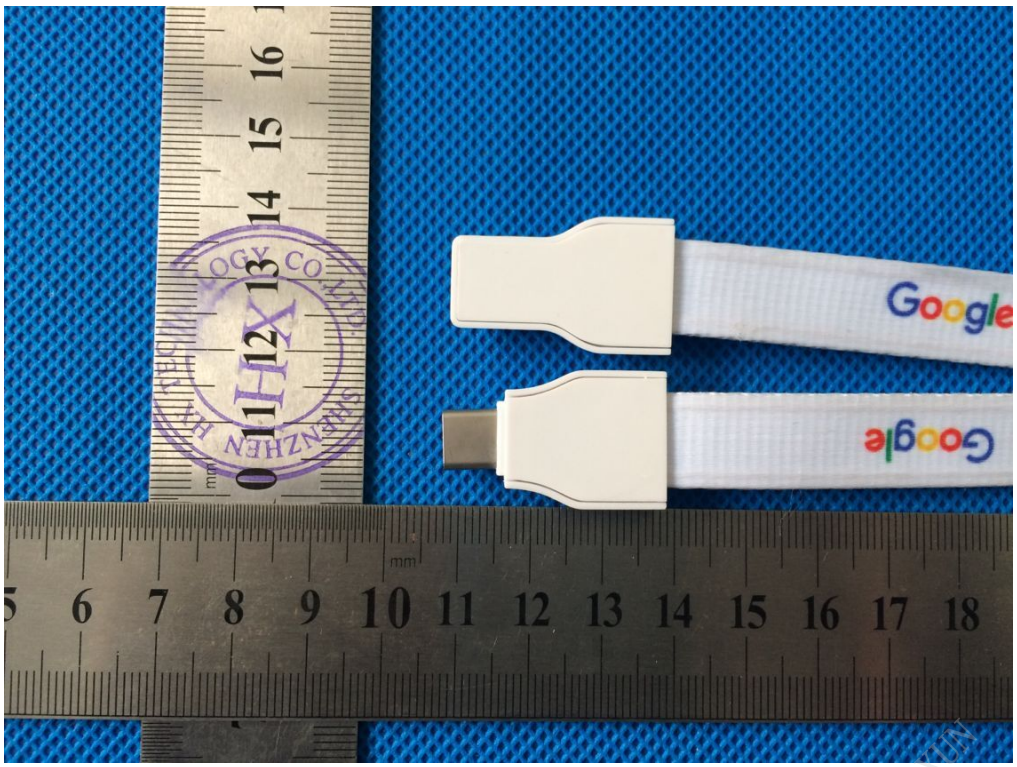
SVHC Testing Flow Chart

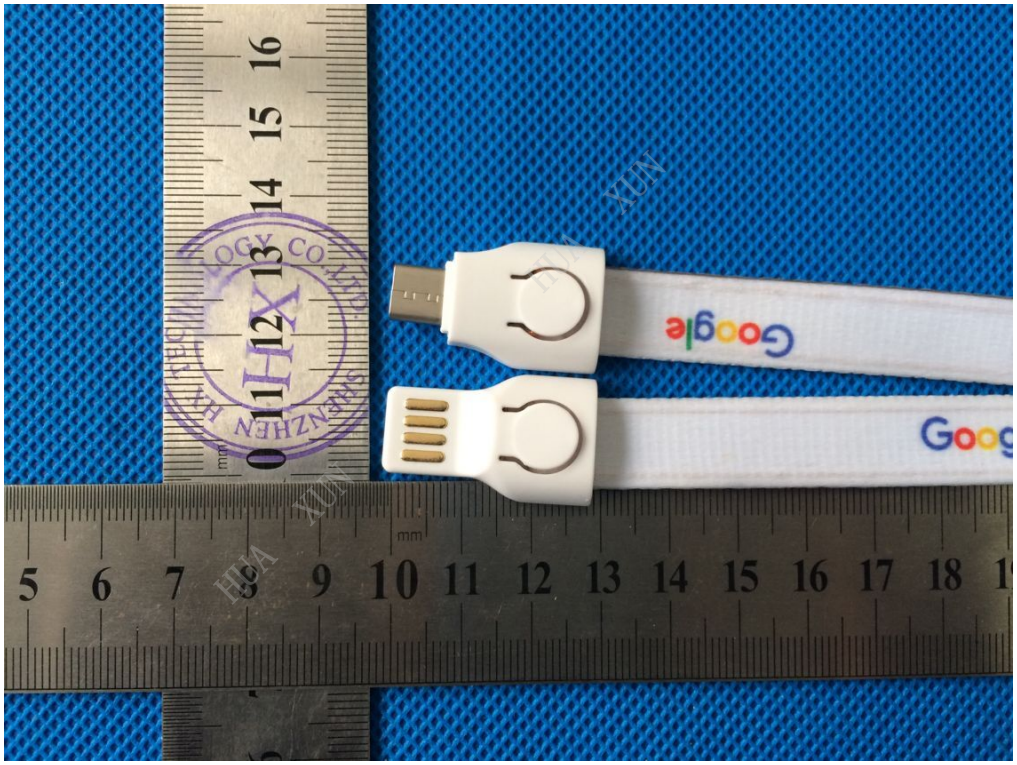
Name of the person who made testing : Erin

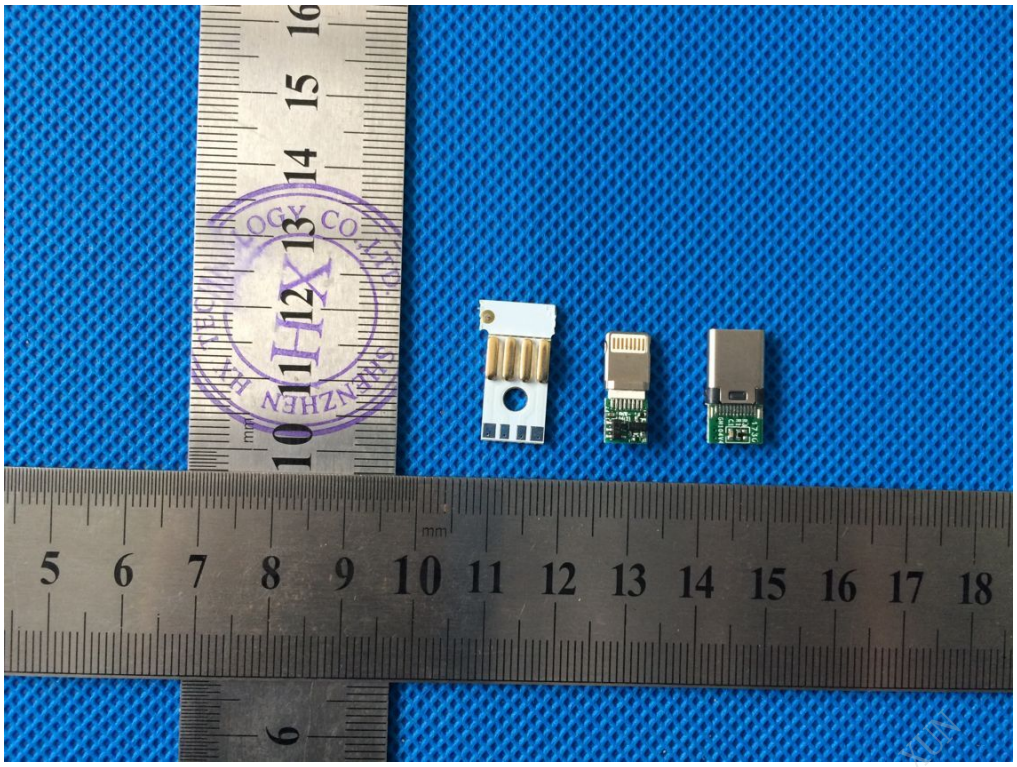
Name of the person in charge of testing : Jim chen

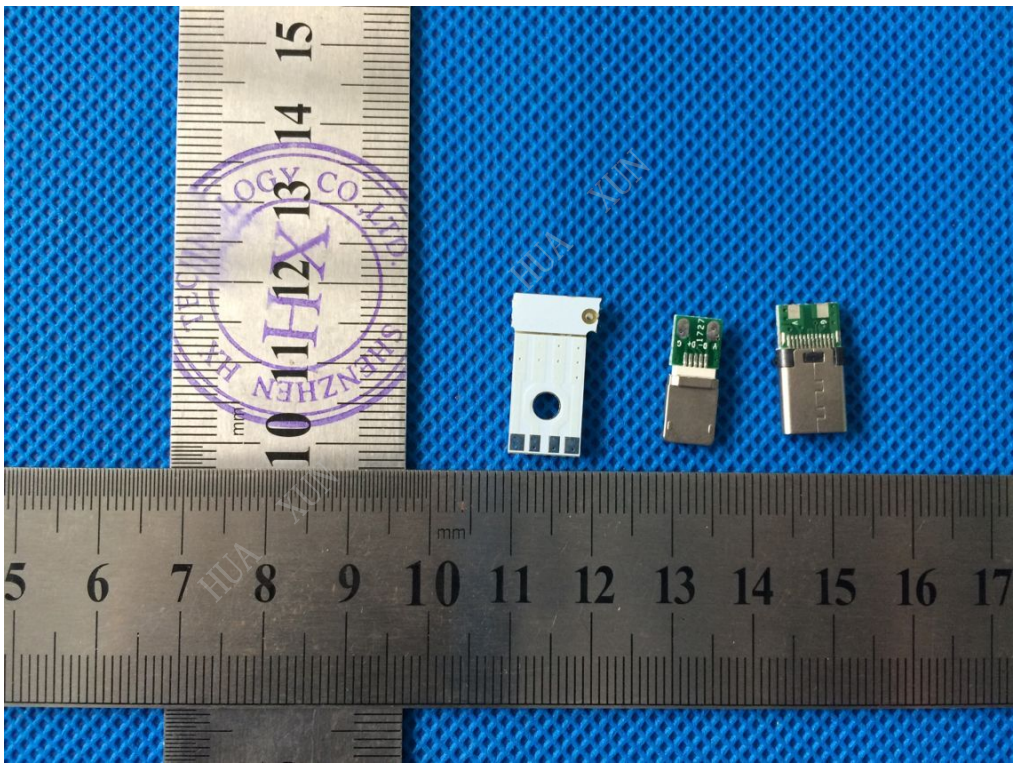


Sample photo:









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