

## TEST REPORT

Report No.: HA0121030753CHEM

Date: March 29, 2021

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Applicant : ZHEJIANG ORYARWA COMMUNICATION EQUIPMENT CO., LTD.  
Address : NO. 1, YONGHE 3 ROAD, INDUSTRIAL FUNCTION ZONE, CHENG DONG STREET, YUEQING CITY, ZHEJIANG PROVINCE, CHINA  
Manufacturer : ZHEJIANG ORYARWA COMMUNICATION EQUIPMENT CO., LTD.  
Address : NO. 1, YONGHE 3 ROAD, INDUSTRIAL FUNCTION ZONE, CHENG DONG STREET, YUEQING CITY, ZHEJIANG PROVINCE, CHINA

The following samples were submitted and identified by/on behalf of the client as:

Sample Description : TPE  
Model No. : /  
Date of Sample Received : March 16, 2021  
Sample Testing Date : March 16, 2021 to March 23, 2021

Test Requested	According to European Commission Regulation 1907/2006(REACH Act), to test the 211 SVHC content which have been listed in ECHA's <a href="http://echa.europa.eu/web/guest/candidate-list-table">http://echa.europa.eu/web/guest/candidate-list-table</a>
Test Method	Refer to next page(s)
Test Result	Refer to next page(s)
Test Conclusion	Pass

\*\*\*\*\* For Further Details, Please Refer to the Following Page(s) \*\*\*\*\*

Compiled by:

  
Fiona Zhang / Project Engineer

Approved by:



Ming Xie / Laboratory Supervisor

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**Test Results:****1. SVHC content**

**Test method: By Inductively Coupled Plasma Optical Emission Spectrometry, Ion Chromatography, UV-Visible Spectrophotometry, Gas Chromatographic - Mass Spectrometry, Liquid Chromatographic - Mass Spectrometry and High Performance Liquid Chromatography analysis.**

Substance Name	CAS No	Result	RL (%)
		No.1	
All tested SVHC in candidate list	---	N.D.	---

**Test Parts Description:**

No.	Item	Test Parts Description
1	Group 1: plastic	please see Tested Part Photos

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**Full list tested SVHC**

Seq.	Substance Name	CAS No.	Attribute	RL(%)
1	Anthracene	120-12-7	PBT	0.05
2	4,4'-Diaminodiphenylmethane (MDA)	101-77-9	Carcinogenic	0.05
3	Dibutyl Phthalate (DBP)	84-74-2	Toxic for reproduction; Endocrine disrupting properties	0.05
4	Cobalt Dichloride $\Delta$	7646-79-9	Toxic for reproduction; Carcinogenic	0.005
5	Diarsenic Pentaoxide $\Delta$	1303-28-2	Carcinogenic	0.005
6	Diarsenic Trioxide $\Delta$	1327-53-3	Carcinogenic	0.005
7	Sodium Dichromate $\Delta$	7789-12-0, 10588-01-9	CMR	0.005
8	5-Tert-Butyl-2,4,6-Trinitro-m-Xylene (Musk Xylene)	81-15-2	vPvB	0.05
9	Bis (2-Ethylhexyl) Phthalate (DEHP)	117-81-7	Toxic for reproduction; Endocrine disrupting properties	0.05
10	Hexabromocyclododecane (HBCDD) and All Major Diastereoisomers Identified ( $\alpha$ -HBCDD, $\beta$ -HBCDD, $\gamma$ -HBCDD)	25637-99-4,3194-55-6	PBT	0.05
11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	PBT; vPvB	0.05
12	Bis (Tributyltin) Oxide (TBTO) $\Delta$	56-35-9	PBT	0.05
13	Lead Hydrogen Arsenate $\Delta$	7784-40-9	Carcinogenic; Toxic for reproduction	0.005
14	Benzyl Butyl Phthalate (BBP)	85-68-7	Toxic for reproduction; Endocrine disrupting properties	0.05
15	Triethyl Arsenate $\Delta$	15606-95-8	Carcinogenic	0.005

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Seq.	Substance Name	CAS No.	Attribute	RL(%)
16	Anthracene Oil	90640-80-5	Carcinogenic ; PBT; vPvB	0.05
17	Anthracene Oil, Anthracene Paste, Distn. Lights	91995-17-4	Carcinogenic ; Mutagenic; PBT; vPvB	0.05
18	Anthracene Oil, Anthracene Paste, Anthracene Fraction	91995-15-2	Carcinogenic ; Mutagenic; PBT; vPvB	0.05
19	Anthracene Oil, Anthracene-low	90640-82-7	Carcinogenic ; Mutagenic; PBT; vPvB	0.05
20	Anthracene Oil, Anthracene Paste	90640-81-6	Carcinogenic ; Mutagenic; PBT; vPvB	0.05
21	Diisobutyl phthalate	84-69-5	Toxic for reproduction; Endocrine disrupting properties	0.05
22	2,4-Dinitrotoluene	121-14-2	Carcinogenic	0.05
23	Pitch, coal tar, High temperature	65996-93-2	PBT; vPvB; Carcinogenic	0.05
24	Tris (2-Chloroethyl) Phosphate	115-96-8	Toxic for reproduction	0.05
25	Lead Sulfochromate Yellow (C.I.Pigment Yellow 34) Δ	1344-37-2	Toxic for reproduction; Carcinogenic	0.005
26	Lead Chromate Molybdate Sulphate Red (C.I. Pigment Red 104) Δ	12656-85-8	Toxic for reproduction; Carcinogenic	0.005
27	Lead Chromate Δ	7758-97-6	Toxic for reproduction; Carcinogenic	0.005
28	Acrylamide	79-06-1	Carcinogenic; Mutagenic	0.05
29	Trichloroethylene	79-01-6	Carcinogenic	0.05
30	Boric Acid Δ	10043-35-3, 11113-50-1	Toxic for reproduction	0.005
31	Disodium Tetraborate, Anhydrous Δ	1303-96-4, 1330-43-4, 12179-04-3	Toxic for reproduction	0.005

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Seq.	Substance Name	CAS No.	Attribute	RL(%)
32	Tetraboron Disodium Heptaoxide, Hydrate Δ	12267-73-1	Toxic for reproduction	0.005
33	Sodium Chromate Δ	7775-11-3	CMR	0.005
34	Potassium Chromate Δ	7789-00-6	Carcinogenic; Mutagenic	0.005
35	Ammonium Dichromate Δ	7789-09-5	CMR	0.005
36	Potassium Dichromate Δ	7778-50-9	CMR	0.005
37	Cobalt(II) Sulphate Δ	10124-43-3	Carcinogenic and toxic for reproduction	0.005
38	Cobalt(II) Dinitrate Δ	10141-05-6	Carcinogenic and toxic for reproduction	0.005
39	Cobalt(II) Diacetate Δ	71-48-7	Carcinogenic and toxic for reproduction	0.005
40	Cobalt(II) Carbonate Δ	513-79-1	Carcinogenic and toxic for reproduction	0.005
41	2-Methoxyethanol	109-86-4	Toxic for reproduction	0.05
42	2-Ethoxyethanol	110-80-5	Toxic for reproduction	0.05
43	Chromium Trioxide Δ	1333-82-0	Carcinogenic; Mutagenic	0.005
44	Chromic Acid Δ Dichromic Acid Δ Oligomers of Chromic Acid and Dichromic Acid Δ	7738-94-5, 13530-68-2, -	Carcinogenic	0.005
45	2-Ethoxyethyl acetate (2-EEA)	111-15-9	Toxic for reproduction	0.05
46	Strontium Chromate Δ	7789-06-2	Carcinogenic	0.005
47	1,2-Benzenedicarboxylic acid, di-C <sub>7-11</sub> -branched and linear alkyl esters (DHNUP)	68515-42-4	Toxic for reproduction	0.05
48	Hydrazine	7803-57-8, 302-01-2	Carcinogenic	0.05
49	1-Methyl-2-pyrrolidone (NMP)	872-50-4	Toxic for reproduction	0.05

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Seq.	Substance Name	CAS No.	Attribute	RL(%)
50	1,2,3-Trichloropropane	96-18-4	Carcinogenic and toxic for reproduction	0.05
51	1,2-Benzenedicarboxylic acid, di-C <sub>6</sub> -8-branched alkyl esters, C <sub>7</sub> -rich (DIHP)	71888-89-6	Toxic for reproduction	0.05
52	Aluminosilicate Refractory Ceramic Fibres Δ	650-017-00-8 (Index no.)	Carcinogenic	0.005
53	Calcium arsenate Δ	7778-44-1	Carcinogenic	0.005
54	Bis(2-methoxyethyl) ether	111-96-6	Toxic for reproduction	0.05
55	Potassium hydroxyoctaoxodizincate dichromate Δ	11103-86-9	Carcinogenic	0.005
56	Zirconia Aluminosilicate Refractory Ceramic Fibres Δ	650-017-00-8 (Index no.)	Carcinogenic	0.005
57	N,N-dimethylacetamide (DMAC)	127-19-5	Toxic for reproduction	0.05
58	Arsenic acid Δ	7778-39-4	Carcinogenic	0.005
59	Lead Dipicrate Δ	6477-64-1	Toxic for reproduction	0.005
60	1,2-Dichloroethane	107-06-2	Carcinogenic	0.05
61	2-Methoxyaniline; o-Anisidine	90-04-0	Carcinogenic	0.05
62	Trilead diarsenate Δ	3687-31-8	Carcinogenic and toxic for reproduction	0.05
63	Pentazinc chromate octahydroxide Δ	49663-84-5	Carcinogenic	0.005
64	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	Endocrine disrupting properties	0.05
65	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	Carcinogenic	0.05
66	Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	Toxic for reproduction	0.05
67	Lead Azide; Lead Diazide Δ	13424-46-9	Toxic for reproduction	0.005
68	Lead Styphnate Δ	15245-44-0	Toxic for reproduction	0.005
69	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	Carcinogenic	0.05

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Seq.	Substance Name	CAS No.	Attribute	RL(%)
70	Phenolphthalein	77-09-8	Carcinogenic	0.005
71	Dichromium tris(chromate) Δ	24613-89-6	Carcinogenic	0.005
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	Toxic for reproduction	0.05
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	Toxic for reproduction	0.05
74	Diboron trioxide Δ	1303-86-2	Toxic for reproduction	0.005
75	Formamide	75-12-7	Toxic for reproduction	0.05
76	Lead(II) bis(methanesulfonate) Δ	17570-76-2	Toxic for reproduction	0.005
77	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	Mutagenic	0.05
78	2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	Mutagenic	0.05
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	Carcinogenic	0.05
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	Carcinogenic	0.05
81	[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)]	548-62-9	Carcinogenic	0.05
82	[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 No. 202-959-2)]	2580-56-5	Carcinogenic	0.05

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Seq.	Substance Name	CAS No.	Attribute	RL(%)
83	$\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)[with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	6786-83-0	Carcinogenic	0.05
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	561-41-1	Carcinogenic	0.05
85	Bis(pentabromophenyl) ether(decabromodiphenyl ether; DecaBDE)	1163-19-5	PBT; vPvB	0.05
86	Pentacosafuorotridecanoic acid	72629-94-8	vPvB	0.05
87	Tricosafuorododecanoic acid	307-55-1	vPvB	0.05
88	Henicosafuoroundecanoic acid	2058-94-8	vPvB	0.05
89	Heptacosafuorotetradecanoic acid	376-06-7	vPvB	0.05
90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	Equivalent level of concern having probable serious effects to the environment	0.05
91	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 welldefined substances which include any of the individual isomers or a combination thereof]	-	Equivalent level of concern having probable serious effects to the environment	0.05
92	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	Equivalent level of concern having probable serious effects to human health	0.05

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Seq.	Substance Name	CAS No.	Attribute	RL(%)
93	Cyclohexane-1,2-dicarboxylic anhydride [1] cis-cyclohexane-1,2-dicarboxylic anhydride [2] trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans-[3] isomer substances and all possible combinations of the cis and trans-isomers [1] are covered by this entry].	85-42-7, 13149-00-3, 14166-21-3	Equivalent level of concern having probable serious effects to human health	0.05
94	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]	25550-51-0 19438-60-9 48122-14-1 57110-29-9	Equivalent level of concern having probable serious effects to human health	0.05
95	Methoxyacetic acid	625-45-6	Toxic for reproduction	0.05
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	Toxic for reproduction	0.005
97	Diisopentylphthalate (DIPP)	605-50-5	Toxic for reproduction	0.05
98	N-pentyl-isopentylphthalate	776297-69-9	Toxic for reproduction	0.05
99	1,2-diethoxyethane	629-14-1	Toxic for reproduction	0.05
100	N,N-dimethylformamide	68-12-2	Toxic for reproduction	0.05
101	Dibutyltin dichloride (DBTC) Δ	683-18-1	Toxic for reproduction	0.05
102	Acetic acid, lead salt, basic Δ	51404-69-4	Toxic for reproduction	0.005

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Seq.	Substance Name	CAS No.	Attribute	RL(%)
103	Trilead bis(carbonate)dihydroxide Δ	1319-46-6	Toxic for reproduction	0.005
104	Lead oxide sulfate Δ	12036-76-9	Toxic for reproduction	0.005
105	[Phthalato(2-)]dioxotrilead Δ	69011-06-9	Toxic for reproduction	0.05
106	Dioxobis(stearato)trilead Δ	12578-12-0	Toxic for reproduction	0.005
107	Fatty acids, C16-18, lead salts Δ	91031-62-8	Toxic for reproduction	0.005
108	Lead bis(tetrafluoroborate) Δ	13814-96-5	Toxic for reproduction	0.05
109	Lead cyanamidate Δ	20837-86-9	Toxic for reproduction	0.05
110	Lead dinitrate Δ	10099-74-8	Toxic for reproduction	0.005
111	Lead monoxide (Lead oxide) Δ	1317-36-8	Toxic for reproduction	0.005
112	Orange lead (Lead tetroxide) Δ	1314-41-6	Toxic for reproduction	0.005
113	Lead titanium trioxide Δ	12060-00-3	Toxic for reproduction	0.005
114	Lead titanium zirconium oxide Δ	12626-81-2	Toxic for reproduction	0.005
115	Pentalead tetraoxide sulphate Δ	12065-90-6	Toxic for reproduction	0.05
116	Pyrochlore, antimony lead yellow Δ	8012-00-8	Toxic for reproduction	0.005
117	Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped Δ [with lead (Pb) content above the applicable generic concentration limit for '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]	68784-75-8	Toxic for reproduction	0.005
118	Silicic acid, lead salt Δ	11120-22-2	Toxic for reproduction	0.005

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119	Sulfurous acid, lead salt, dibasic Δ	62229-08-7	Toxic for reproduction	0.05
120	Tetraethyllead Δ	78-00-2	Toxic for reproduction	0.005
121	Tetralead trioxide sulphate Δ	12202-17-4	Toxic for reproduction	0.05
122	Trilead dioxide phosphonate Δ	12141-20-7	Toxic for reproduction	0.005
123	Furan	110-00-9	Carcinogenic	0.05
124	Methyloxirane (Propylene oxide)	75-56-9	Carcinogenic, Mutagenic	0.05
125	Diethyl sulphate	64-67-5	Carcinogenic, Mutagenic	0.05
126	Dimethyl sulphate	77-78-1	Carcinogenic	0.05
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	Toxic for reproduction	0.005
128	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	Toxic for reproduction	0.05
129	4,4'-methylenedi-o-toluidine	838-88-0	Carcinogenic	0.05
130	4,4'-oxydianiline and its salts	101-80-4	Carcinogenic, Mutagenic	0.05
131	4-aminoazobenzene	60-09-3	Carcinogenic	0.05
132	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	Carcinogenic	0.05
133	6-methoxy-m-toluidine (p cresidine)	120-71-8	Carcinogenic	0.05
134	Biphenyl-4-ylamine	92-67-1	Carcinogenic	0.05
135	O-aminoazotoluene [(4-otolylazo-O-toluidine)]	97-56-3	Carcinogenic	0.05
136	O-toluidine	95-53-4	Carcinogenic	0.05
137	N-methylacetamide	79-16-3	Toxic for reproduction	0.05
138	1-bromopropane (n-propyl bromide)	106-94-5	Toxic for reproduction	0.05
139	Cadmium Δ	7440-43-9	Carcinogenic; Equivalent level of concern having probable serious effects to human health	0.005

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Seq.	Substance Name	CAS No.	Attribute	RL(%)
140	Cadmium oxide Δ	1306-19-0	Carcinogenic; Equivalent level of concern having probable serious effects to human health (effects on kidney and bone)	0.005
141	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	Toxic for reproduction; PBT	0.05
142	Pentadecafluorooctanoic acid (PFOA)	335-67-1	Toxic for reproduction; PBT	0.05
143	Dipentyl phthalate (DPP)	131-18-0	Toxic for reproduction	0.05
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 welldefined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	-	Equivalent level of concern having probable serious effects to the environment (due to the endocrine disrupting properties of the degradation products)	0.05
145	Cadmium sulphide Δ	1306-23-6	Equivalent level of concern having probable serious effects to human health	0.005
146	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	Carcinogenic	0.05

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Seq.	Substance Name	CAS No.	Attribute	RL(%)
147	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	Carcinogenic	0.05
148	Dihexyl phthalate (DnHP)	84-75-3	Toxic for reproduction	0.05
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	Toxic for reproduction	0.05
150	Lead di(acetate) Δ	301-04-2	Toxic for reproduction	0.05
151	Trixylyl phosphate	25155-23-1	Toxic for reproduction	0.05
152	Cadmium chloride Δ	10108-64-2	CMR	0.005
153	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear (Diisohexyl phthalate(DIHP))	68515-50-4	Toxic for reproduction	0.05
154	Sodium peroxometaborate Δ	7632-04-4	Toxic for reproduction	0.005
155	Sodium perborate; perboric acid, sodium salt Δ	-	Toxic for reproduction	0.005
156	Cadmium fluoride Δ	7790-79-6	CMR; Equivalent level of concern having probable serious effects to human health	0.005
157	Cadmium sulphate Δ	10124-36-4,31119-53-6	CMR; Equivalent level of concern having probable serious effects to human health	0.005
158	2-benzotriazol-2-yl-4,6-di-tertbutylphenol (UV-320)	3846-71-7	PBT;vPvB	0.05
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	PBT;vPvB	0.05
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	Toxic for reproduction	0.05

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Seq.	Substance Name	CAS No.	Attribute	RL(%)
161	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)	-	Toxic for reproduction	0.05
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	Toxic for reproduction	0.05
163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-secbutyl-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]	—	vPvB	0.05
164	1,3-propanesultone	1120-71-4	Carcinogenic	0.05
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	vPvB	0.05
166	2-(2H-benzotriazol-2-yl)-4-(tertbutyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	vPvB	0.05
167	Nitrobenzene	98-95-3	Toxic for reproduction	0.05
168	Perfluorononan-1-oic-acid and its sodium and ammonium salt	375-95-1, 21049-39-8, 4149-60-4	Toxic for reproduction; PBT	0.05

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Seq.	Substance Name	CAS No.	Attribute	RL(%)
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	Carcinogenic; Mutagenic; Toxic for reproduction; PBT; very bioaccumulation	0.05
170	4,4'-isopropylidenediphenol(bisphenol A; BPA)	1980/5/7	Toxic for reproduction	0.05
171	4-heptylphenol, branched and linear (4-HPbl)	/	Equivalent level of concern having probable serious effects to the environment	0.05
172	Perfluorodecic acid and its salts and lipids	3108-42-7, 335-76-2, 3830-45-3	Toxic for reproduction	0.05
173	4-tert-pentylphenol (PTAP)	80-46-6	Equivalent level of concern having probable serious effects to the environment	0.05
174	Dechlorane	13560-89-9; 135821-74-8; 135821-03-3	vPvB	0.05
175	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	Endocrine disrupting	0.05
176	Benz[a]anthracene	56-55-3	Carcinogenic; PBT; vPvB	0.05
177	Cadmium nitrate	10325-94-7	Carcinogenic; Teratogenic	0.05
178	Carbonic carbonate	513-78-0	Carcinogenic; Teratogenic	0.05
179	Cadmium hydroxide	21041-95-2	Carcinogenic; Teratogenic	0.05
180	Chrysene	218-01-9	Carcinogenic; PBT; vPvB	0.05

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Seq.	Substance Name	CAS No.	Attribute	RL(%)
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, Formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with $\geq 0.1\%$ w/w 4-heptylphenol, branched and liner]	-	Endocrine disrupting properties	0.05
182	Benzene-1,2,4-tricarboxylic acid 1,2-anhydride (trimellitic anhydride) (TMA)	552-30-7	Respiratory sensitising properties	0.05
183	Dicyclohexyl phthalate (DCHP)	84-61-7	Toxic for reproduction; Endocrine disrupting properties	0.05
184	Benzo[ghi]perylene	191-24-2	PBT;vPvB	0.05
185	Decamethylcyclopentasiloxane (D5)	541-02-6	PBT;vPvB	0.05
186	Disodium octaborate	12008-41-2	Toxic for reproduction	0.05
187	Dodecamethylcyclohexasiloxane (D6)	540-97-6	PBT;vPvB	0.05
188	Ethylenediamine (EDA)	107-15-3	Respiratory sensitization properties	0.05
189	Lead	7439-92-1	Toxic for reproduction	0.05
190	Octamethylcyclotetrasiloxane (D4)	556-67-2	PBT;vPvB	0.05
191	Terphenyl hydrogenated	61788-32-7	vPvB	0.05
192	Pyrene	129-00-0; 1718-52-1	PBT;vPvB	0.05
193	Phenanthrene	85-01-8	vPvB	0.05
194	Fluoranthene	206-44-0; 93951-69-0	PBT;vPvB	0.05
195	Benzo[k]fluoranthene	207-08-9	PBT;vPvB; Carcinogenic	0.05
196	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	Toxic for reproduction	0.05
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor) (3-BC)	15087-24-8	Endocrine disrupting properties	0.05

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Seq.	Substance Name	CAS No.	Attribute	RL(%)
198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	/	Endocrine disrupting properties	0.05
199	2-methoxyethyl acetate	203-772-9 110-49-6	Endocrine disrupting properties	0.05
200	4-tert-butylphenol	202-679-0 98-54-4	Endocrine disrupting properties	0.05
201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)	/	Endocrine disrupting properties	0.05
202	Diisohexyl phthalate	71850-09-4	Toxic for reproduction	0.05
203	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	Toxic for reproduction	0.05
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	Toxic for reproduction	0.05
205	Perfluorobutane sulfonic acid (PFBS) and its salts	/	Endocrine disrupting properties	0.05
206	1-vinylimidazole	1072-63-5	Toxic for reproduction	0.05
207	2-methylimidazole	693-98-1	Toxic for reproduction	0.05
208	Butyl 4-hydroxybenzoate	94-26-8	Endocrine disrupting properties	0.05
209	Dibutylbis(pentane-2,4-dionato-O,O') tin	22673-19-4	Toxic for reproduction	0.05
210	Tetraethylene glycol dimethyl ether	143-24-8	Toxic for reproduction	0.05
211	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety	/	Toxic for reproduction	0.05

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### Note:

1. SVHC = Substance of very high concern.
2. RL=Reporting Limit. All RL are based on homogenous material.
3. N.D. = Not detected (Lower than RL), ND is denoted on the SVHC substance.
4.  $\Delta$  = Determination was based on elemental analysis. The content was calculated based on assumption of worst-case.
5. In accordance with regulation (EC) No 1907/2006, any producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1), if both the following conditions are met:
  - (a) the substance is present in those articles in quantities totaling over one tonne per producer or importer per year;
  - (b) The substance is present in those articles above a concentration of 0.1% weight by weight (w/w).
6. Form 28 October 2008, EU & EEA suppliers of articles of articles which contain substances on the Candidate List in a concentration above 0.1% (W/W) must provide sufficient information, available to them, to their customers and on request to a consumer within 45 days of the receipt of this request. This information must ensure safe use of the article and, as a minimum, include the name of the substance.

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### Sample Photo:



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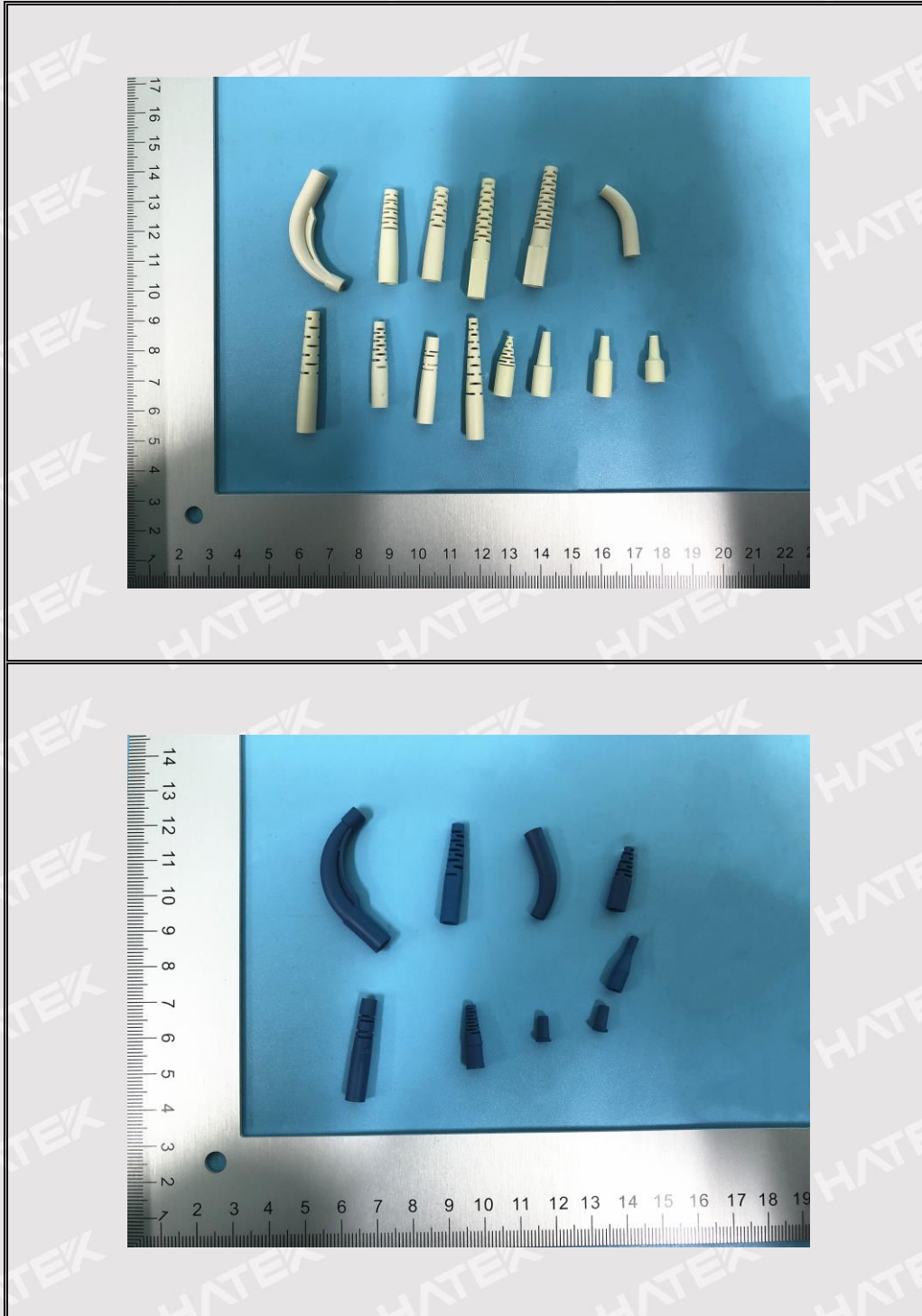
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