



Test Report

No. BCTC-FY161206060R

Date: Dec. 09, 2016

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Applicant : Shanghai Green Tech Co., Ltd.

Address : 1503 NO.18 Taigu Road Waigaoqiao Pudong Shanghai 200131, China.

The submitted sample and sample information was/were submitted and identified by/on the behalf of the client

Sample name : Super Capacitor

Type /model : GTSP SERIES

Trademark : N/A

Manufacturer : Shanghai Green Tech Co., Ltd.

Address : 1503 NO.18 Taigu Road Waigaoqiao Pudong Shanghai 200131, China.

Sample received date : Dec. 05, 2016

Testing period : Dec. 05, 2016 - Dec. 09, 2016

Test requested : As requested by client, refer to EU Regulation(EC) No 1907/2006 (REACH), to screen one hundred and sixty-nine(169) Substances of Very High Concern(SVHC) in the submitted sample. The list is the one that is published by European Chemicals Administration(ECHA) on 20 June 2016.

Summary:

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

PASS

*****For more detailed information, please refer to the next page*****

Tested by

Judy Zou



Approved by

[Signature]

Lab:Shenzhen BCTC Testing Co.,Ltd.

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Tested Sample/Part Description:

A Super Capacitor

Report Result(s):

The first fifteen Substances of Very High Concern (Released in Oct, 2008)

Code	Test Item	CAS No.	EC No.	Report Limit (%)	Report Results (%)
					A
1	Bis(tributyltin)oxide(TBTO)	56-35-9	200-268-0	0.020	N.D.
2	Diarsenic pentaoxide**	1303-28-2	215-116-9	0.020	N.D.
3	Diarsenic trioxide**	1327-53-3	215-481-4	0.020	N.D.
4	Triethyl arsenate**	15606-95-8	427-700-2	0.020	N.D.
5	Lead hydrogen arsenate**	7784-40-9	232-064-2	0.020	N.D.
6	Cobalt dichloride**	7646-79-9	231-589-4	0.020	N.D.
7	Sodium dichromate **	7789-12-0, 10588-01-9	234-190-3	0.020	N.D.
8	Anthracene	120-12-7	204-371-1	0.020	N.D.
9	4,4'-Diaminodiphenylmethane(MDA)	101-77-9	202-974-4	0.020	N.D.
10	Dibutyl phthalate(DBP)	84-74-2	201-557-4	0.020	N.D.
11	Benzyl butyl phthalate(BBP)	85-68-7	201-622-7	0.020	N.D.
12	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	0.020	N.D.
13	Bis (2-ethylhexyl)phthalate(DEHP)	117-81-7	204-211-0	0.020	N.D.
14	Hexabromocyclododecane(HBCDD) and all major diastereoisomers identified	25637-99-4, 3194-55-6 (134237-50-6, 134237-51-7, 134237-52-8)	247-148-4, 221-695-9	0.020	N.D.
15	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5	0.020	N.D.

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The second thirteen Substances of Very High Concern (Released in Jan, 2010 and Mar, 2010)

Code	Test Item	CAS No.	EC No.	Report Limit (%)	Report Results (%)
					A
16	Anthracene oil	90640-80-5	292-602-7	0.020	N.D.
17	Anthracene oil, anthracene paste, distn. lights	91995-17-4	295-278-5	0.020	N.D.
18	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	0.020	N.D.
19	Anthracene oil, anthracene-low	90640-82-7	292-604-8	0.020	N.D.
20	Anthracene oil, anthracene paste	90640-81-6	292-603-2	0.020	N.D.
21	Pitch, coal tar, high temp.	65996-93-2	266-028-2	0.020	N.D.
22	Acrylamide	79-06-1	201-173-7	0.020	N.D.
23	2,4-Dinitrotoluene	121-14-2	204-450-0	0.020	N.D.
24	Diisobutyl phthalate (DIBP)	84-69-5	201-553-2	0.020	N.D.
25	Lead chromate**	7758-97-6	231-846-0	0.020	N.D.
26	Lead chromate molybdate sulphate red (C.I. Pigment Red 104) **	12656-85-8	235-759-9	0.020	N.D.
27	Lead sulfochromate yellow (C.I. Pigment Yellow 34) **	1344-37-2	215-693-7	0.020	N.D.
28	Tris(2-chloroethyl)phosphate	115-96-8	204-118-5	0.020	N.D.

The third eight Substances of Very High Concern (Released in Jun, 2010)

Code	Test Item	CAS No.	EC No.	Report Limit (%)	Report Results (%)
					A
29	Trichloroethylene	79-01-6	201-167-4	0.020	N.D.
30	Boric acid**	10043-35-3/ 11113-50-1	233-139-2/ 234-343-4	0.020	N.D.

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The fifth seven Substances of Very High Concern (Released in Jun, 2011)

Code	Test Item	CAS No.	EC No.	Report Limit (%)	Report Results (%)
					A
45	2-Ethoxyethyl acetate	111-15-9	203-839-2	0.020	N.D.
46	Strontium chromate**	7789-06-2	232-142-6	0.020	N.D.
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters(DHNUP)*	68515-42-4	271-084-6	0.020	N.D.
48	Hydrazine	7803-57-8/ 302-01-2	206-114-9	0.020	N.D.
49	1-Methyl-2-pyrrolidone	872-50-4	212-828-1	0.020	N.D.
50	1,2,3-Trichloropropane	96-18-4	202-486-1	0.020	N.D.
51	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters,C7-rich(DIHP)	71888-89-6	276-158-1	0.020	N.D.

The sixth twenty Substances of Very High Concern (Released in Dec, 2011)

Code	Test Item	CAS No.	EC No.	Report Limit (%)	Report Results (%)
					A
52	Dichromium tris(chromate)**	24613-89-6	246-356-2	0.020	N.D.
53	Potassium hydroxyoctaoxodizincatedichromate**	11103-86-9	234-329-8	0.020	N.D.
54	Pentazinc chromate octahydroxide**	49663-84-5	256-418-0	0.020	N.D.
55	Aluminosilicate Refractory Ceramic Fibres(RCF)**	--	--	0.020	N.D.
56	Zirconia Aluminosilicate Refractory Ceramic Fibres(Zr-RCF)**	--	--	0.020	N.D.
57	Formaldehyde, oligomeric reaction products with aniline(technical MDA)	25214-70-4	500-036-1	0.020	N.D.
58	Bis(2-methoxyethyl) phthalate(DMEP)	117-82-8	204-212-6	0.020	N.D.

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Code	Test Item	CAS No.	EC No.	Report Limit (%)	Report Results (%)
					A
59	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	0.020	N.D.
60	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	205-426-2	0.020	N.D.
61	1,2-Dichloroethane	107-06-2	203-458-1	0.020	N.D.
62	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	0.020	N.D.
63	Arsenic acid**	7778-39-4	231-901-9	0.020	N.D.
64	Calcium arsenate**	7778-44-1	231-904-5	0.020	N.D.
65	Trilead diarsenate**	3687-31-8	222-979-5	0.020	N.D.
66	N,N-dimethylacetamide(DMAC)	127-19-5	204-826-4	0.020	N.D.
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	0.020	N.D.
68	Phenolphthalein	77-09-8	201-004-7	0.020	N.D.
69	Lead diazide Lead azide **	13424-46-9	236-542-1	0.020	N.D.
70	Lead styphnate**	15245-44-0	239-290-0	0.020	N.D.
71	Lead dipicrate**	6477-64-1	229-335-2	0.020	N.D.

The seventh thirteen Substances of Very High Concern (Released in Jun, 2012)

Code	Test Item	CAS No.	EC No.	Report Limit (%)	Report Results (%)
					A
72	1,2-bis(2-methoxyethoxy)ethane(TEG DME; triglyme)	112-49-2	203-977-3	0.020	N.D.
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether(EGDME)	110-71-4	203-794-9	0.020	N.D.
74	Diboron trioxide**	1303-86-2	215-125-8	0.020	N.D.
75	Formamide	75-12-7	200-842-0	0.020	N.D.
76	Lead(II)bis(methanesulfonate) **	17570-76-2	401-750-5	0.020	N.D.

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Code	Test Item	CAS No.	EC No.	Report Limit (%)	Report Results (%)
					A
77	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	2451-62-9	219-514-3	0.020	N.D.
78	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	0.020	N.D.
79	4,4'-bis(dimethylamino) benzophenone(Michler's ketone)	90-94-8	202-027-5	0.020	N.D.
80	N,N,N',N'-tetramethyl-4,4'-methylenedi aniline(Michler's base)	101-61-1	202-959-2	0.020	N.D.
81	[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	0.020	N.D.
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl] methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5	219-943-6	0.020	N.D.
83	α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino) naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	229-851-8	0.020	N.D.
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	209-218-2	0.020	N.D.

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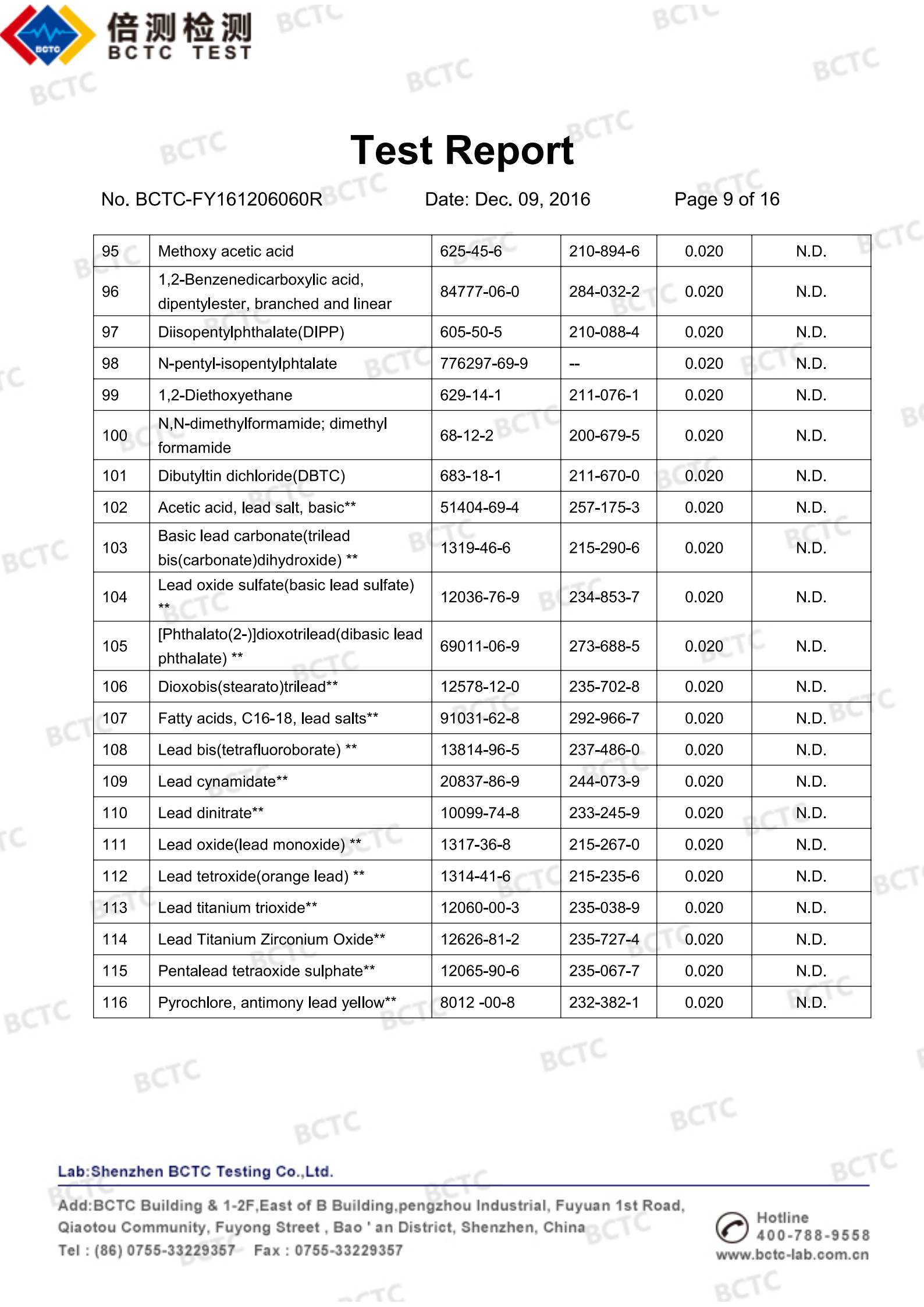
The eighth fifty-four Substances of Very High Concern (Released in Dec, 2012)

Code	Test Item	CAS No.	EC No.	Report Limit (%)	Report Results (%)
					A
85	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	214-604-9	0.020	N.D.
86	Pentacosaf fluorotridecanoic acid	72629-94-8	276-745-2	0.020	N.D.
87	Tricosaf fluorododecanoic acid	307-55-1	206-203-2	0.020	N.D.
88	Henicosaf fluoroundecanoic acid	2058-94-8	218-165-4	0.020	N.D.
89	Heptacosaf fluorotetradecanoic acid	376-06-7	206-803-4	0.020	N.D.
90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated -covering well-defined substances and UVCB substances, polymers and homologues	--	--	0.020	N.D.
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 well-defined substances which include any of the individual isomers or a combination thereof	--	--	0.020	N.D.
92	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	0.020	N.D.
93	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	85-42-7 13149-00-3 14166-21-3	201-604-9 236-086-3 238-009-9	0.020	N.D.
94	Hexahydromethylphthalic anhy, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	247-094-1, 243-072-0, 256-356-4, 260-566-1	0.020	N.D.

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95	Methoxy acetic acid	625-45-6	210-894-6	0.020	N.D.
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	0.020	N.D.
97	Diisopentylphthalate(DIPP)	605-50-5	210-088-4	0.020	N.D.
98	N-pentyl-isopentylphthalate	776297-69-9	--	0.020	N.D.
99	1,2-Diethoxyethane	629-14-1	211-076-1	0.020	N.D.
100	N,N-dimethylformamide; dimethyl formamide	68-12-2	200-679-5	0.020	N.D.
101	Dibutyltin dichloride(DBTC)	683-18-1	211-670-0	0.020	N.D.
102	Acetic acid, lead salt, basic**	51404-69-4	257-175-3	0.020	N.D.
103	Basic lead carbonate(trilead bis(carbonate)dihydroxide) **	1319-46-6	215-290-6	0.020	N.D.
104	Lead oxide sulfate(basic lead sulfate) **	12036-76-9	234-853-7	0.020	N.D.
105	[Phthalato(2-)]dioxotrilead(dibasic lead phthalate) **	69011-06-9	273-688-5	0.020	N.D.
106	Dioxobis(stearato)trilead**	12578-12-0	235-702-8	0.020	N.D.
107	Fatty acids, C16-18, lead salts**	91031-62-8	292-966-7	0.020	N.D.
108	Lead bis(tetrafluoroborate) **	13814-96-5	237-486-0	0.020	N.D.
109	Lead cyanamate**	20837-86-9	244-073-9	0.020	N.D.
110	Lead dinitrate**	10099-74-8	233-245-9	0.020	N.D.
111	Lead oxide(lead monoxide) **	1317-36-8	215-267-0	0.020	N.D.
112	Lead tetroxide(orange lead) **	1314-41-6	215-235-6	0.020	N.D.
113	Lead titanium trioxide**	12060-00-3	235-038-9	0.020	N.D.
114	Lead Titanium Zirconium Oxide**	12626-81-2	235-727-4	0.020	N.D.
115	Pentalead tetraoxide sulphate**	12065-90-6	235-067-7	0.020	N.D.
116	Pyrochlore, antimony lead yellow**	8012 -00-8	232-382-1	0.020	N.D.

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The ninth six Substances of Very High Concern (Released in Jun, 2013)

Code	Test Item	CAS No.	EC No.	Report Limit (%)	Report Results (%)
					A
139	Cadmium **	7440-43-9	231-152-8	0.020	N.D.
140	Cadmium oxide **	1306-19-0	215-146-2	0.020	N.D.
141	Dipentyl phthalate(DPP)	131-18-0	205-017-9	0.020	N.D.
142	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]	/	/	0.020	N.D.
143	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	0.020	N.D.
144	Pentadecafluorooctanoic acid(PFOA)	335-67-1	206-397-9	0.020	N.D.

The tenth seven Substances of Very High Concern (Released in Dec, 2013)

Code	Test Item	CAS No.	EC No.	Report Limit (%)	Report Results (%)
					A
145	Cadmium sulphide**	1306-23-6	215-147-8	0.020	N.D.
146	Diethyl phthalate	84-75-3	201-559-5	0.020	N.D.
147	C.I. Direct Red 28	573-58-0	209-358-4	0.020	N.D.
148	C.I. Direct Black 38	1937-37-7	217-710-3	0.020	N.D.

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149	2-imidazoline-2-thiol	96-45-7	202-506-9	0.020	N.D.
150	Lead di(acetate)**	301-04-2	206-104-4	0.020	N.D.
151	Trixylyl phosphate	25155-23-1	246-677-8	0.020	N.D.

The eleventh four Substances of Very High Concern (Released in Jun, 2014)

Code	Test Item	CAS No.	EC No.	Report Limit (%)	Report Results (%)
					A
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	0.020	N.D.
153	Cadmium chloride**	10108-64-2	233-296-7	0.020	N.D.
154	Sodium perborate; perboric acid, sodium salt**	-	239-172-9; 234-390-0	0.020	N.D.
155	Sodium peroxometaborate**	7632-04-4	231-556-4	0.020	N.D.

The Twelfth six Substances of Very High Concern (Released in Dec, 2014)

Code	Test Item	CAS No.	EC No.	Report Limit (%)	Report Results (%)
					A
156	Cadmium fluoride**	7790-79-6	232-222-0	0.020	N.D.
157	Cadmium sulphate**	10124-36-4, 31119-53-6	233-331-6	0.020	N.D.
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol(UV-320)	3846-71-7	223-346-6	0.020	N.D.
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol(UV-328)	25973-55-1	247-284-8	0.020	N.D.
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	239-622-4	0.020	N.D.

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Code	Test Item	CAS No.	EC No.	Report Limit (%)	Report Results (%)
					A
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)	—	--	0.020	N.D.

The Thirteenth two Substances of Very High Concern (Released in Jun, 2015)

Code	Test Item	CAS No.	EC No.	Report Limit (%)	Report Results (%)
					A
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters	68515-51-5, 68648-93-1	271-094-0 272-013-1	0.020	N.D.
163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof]	—	--	0.020	N.D.

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The Fourteen five Substances of Very High Concern (Released in Dec, 2015)

Code	Test Item	CAS No.	EC No.	Report Limit (%)	Report Results (%)
					A
164	Nitrobenzene	98-95-3	202-716-0	0.020	N.D.
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol(UV-327)	3864-99-1	223-383-8	0.020	N.D.
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol(UV-350)	36437-37-3	253-037-1	0.020	N.D.
167	1,3-propanesultone	1120-71-4	214-317-9	0.020	N.D.
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1	206-801-3	0.020	N.D.
		21049-39-8			
		4149-60-4			
169	Benzo[def]chrysene(Benzo[a]pyrene)	50-32-8	200-028-5	0.020	N.D.

Note:

1. mg/kg =ppm= 10^{-6}
2. %=w/w
3. N.D. :< Report Limit
4. *The detected DHNUP are consisted of six phthalates which CAS number are 85507-79-5, 68515-44-6, 68515-45-7, 111381-89-6, 111381-90-9 and 111381-91-0. according to the Annex 15 of REACH.
5. ** According to the 5.2.1 item of the second version of ECHA "Guidance on requirements for substances in articles", 2011, the selected test methods only show the existence of certain elements rather than the existence of substances, using additional measurements to screen for the existence and identification of substances in a sample when necessary.
6. Report Results: based on measurements in most cases will identify the chemical constituents in the sample but not necessarily "the substance" which were originally used to produce the article, professional consults, products information, testing processes, features of materials, characteristics of the SVHC and chemical analysis etc to obtain the assessments results according to the 5.2 item of the second version of ECHA "Guidance on requirements for substances in articles", 2011.
7. Report Limit: Be obtained from the uncertainty, the 0.1 % threshold and the ECHA "Guidance on requirements for substances in articles".

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Appendix:

1. Any supplier of an article containing a substance that is included in the Candidate List in a concentration above 0.1 % weight by weight (w/w) has the duty to communicate information in accordance with Article 33 of European Union regulation concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).
 - 1) Any supplier shall provide the recipient of the article with sufficient information to allow safe use of the article including, as a minimum, the name of that substance.
 - 2) On request by a consumer any supplier shall provide the consumer with sufficient information to allow safe use of the article including, as a minimum, the name of that substance within 45 days of receipt of the request, free of charge.
2. The supplier of a substance that is included in the Candidate List on their own shall provide the recipient of the substance with a safety data sheet for free compiled in accordance with Article 3 and Annex II of REACH.
3. The supplier of a mixture that containing a substance that is included in the Candidate List shall exchange information in accordance with Article 31, Article 32, and Annex II of REACH.
 - 1) Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation meets the criteria for classification as dangerous in accordance with Directives 1999/45/EC.
 - 2) Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation does not meet the criteria for classification as dangerous in accordance with Directive 1999/45/EC, but contains any substance that is included in the Candidate List in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures or ≥ 0.2 % by volume for gaseous mixtur

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Photograph of Sample



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

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