

Test Report

Report No. ECL01H037672001

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Applicant YANGZHOU HY TECHNOLOGY DEVELOPMENT CO.,LTD.

Address NO.45 HONGYANG EAST RD HUAISI YANGZHOU JIANGSU CHINA

Test Requested As specified by client, to screen the 163 substances of very high concern(SVHC) under Regulation(EC) No 1907/2006 of REACH in the submitted sample(s).

Test Method Please refer to the following page(s).

Test Result(s) Please refer to the following page(s).

Summary According to the analytical results, concentrations of 163 SVHC substances are all less than 0.1%(w/w) in the submitted sample(s).

Tested by

Su Hongwei

Reviewed by

Gou Cuili

Approved by

Su Hongwei

Date

Aug.4,2015

Su Hongwei

Senior Laboratory Manager

No. R187772012

Centre Testing International (Shenzhen) Co., Ltd. Shanghai Branch No.1996,Xinjinqiao Road, Pudong New District, Shanghai, China

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The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client

Sample information	The first test	The second test	The third test
Sample Name	RECTIFIER BRIDGE- PLASTIC BODY	RECTIFIER BRIDGE- PLASTIC BODY	RECTIFIER BRIDGE- PLASTIC BODY
Part No.	DF/DFS/DB/DBS/SMA/SMB/SMC/ A-SMA/MBS/BS/MD/RH/MB/ MBM/MBF/SB/ABS/CD4148WP/ CD4148WSP/TO-92/TO-3P/SOD-123/ 323/523/723/SOT-23/323/343/353/363/ 523/2GBJ/4GBJ/GBJ/KBJ/GBU/GBL/ GBP/TO-220/TO-263/D2PAK/D3K/ KBU/KBL/KBP/TBP/TBU/ RS/PBU/PBL/S10P45/S15P45/ ITO-220AB/ITO-220AC/TO-251/ TO-252/ITO-220/TBS/MDS/LMBS/ MDB/MDS/TO-269AA/BTXS/ TO-247AB/0805/TO-277/ D6K/D2K/D4K/TO-277A/BTS/SOD-1 23FL/1206/R-1/R-3/DO-41/ DO-15/DO-27/R-6/A-405/DO-201/ AUTO/CELL/LL-41/17-02	DF/DFS/DB/DBS/SMA/SMB/SMC/ A-SMA/MBS/BS/MD/RH/MB/ MBM/MBF/SB/ABS/CD4148WP/ CD4148WSP/TO-92/TO-3P/SOD-123/ 323/523/723/SOT-23/323/343/353/363/ 523/2GBJ/4GBJ/GBJ/KBJ/GBU/GBL/ GBP/TO-220/TO-263/D2PAK/D3K/ KBU/KBL/KBP/TBP/TBU/ RS/PBU/PBL/S10P45/S15P45/ ITO-220AB/ITO-220AC/TO-251/ TO-252/ITO-220/TBS/MDS/LMBS/ MDB/MDS/TO-269AA/BTXS/ TO-247AB/0805/TO-277/ D6K/D2K/D4K/TO-277A/BTS/SOD-1 23FL/1206/R-1/R-3/DO-41/ DO-15/DO-27/R-6/A-405/DO-201/ AUTO/CELL/LL-41/17-02	DF/DFS/DB/DBS/SMA/SMB/SMC/ A-SMA/MBS/BS/MD/RH/MB/ MBM/MBF/SB/ABS/CD4148WP/ CD4148WSP/TO-92/TO-3P/SOD-123/ 323/523/723/SOT-23/323/343/353/363/ 523/2GBJ/4GBJ/GBJ/KBJ/GBU/GBL/ GBP/TO-220/TO-263/D2PAK/D3K/ KBU/KBL/KBP/TBP/TBU/ RS/PBU/PBL/S10P45/S15P45/ ITO-220AB/ITO-220AC/TO-251/ TO-252/ITO-220/TBS/MDS/LMBS/ MDB/MDS/TO-269AA/BTXS/ TO-247AB/0805/TO-277/ D6K/D2K/D4K/TO-277A/BTS/SOD-1 23FL/1206/R-1/R-3/DO-41/ DO-15/DO-27/R-6/A-405/DO-201/ AUTO/CELL/LL-41/17-02
Material	BLACK PLASTIC	BLACK PLASTIC	BLACK PLASTIC
Sample Received Date	Dec.9,2013	Dec.10,2014	Jul.28,2015
Testing Period	Dec.9,2013 to Dec.17,2013	Dec.10,2014 to Dec.17,2014	Jul.28,2015 to Aug.4,2015

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Test Result(s)

No.	Substance Name(s)	CAS No.	EC No.	Concentration(%)			Report Limit
				The first test	The second test	The third test	
1	Anthracene	120-12-7	204-371-1	N.D.	/	/	0.005%
2	4,4'- Diaminodiphenylmethane	101-77-9	202-974-4	N.D.	/	/	0.005%
3	Dibutyl phthalate(DBP)	84-74-2	201-557-4	N.D.	/	/	0.005%
4	Cobalt dichloride*	7646-79-9	231-589-4	N.D.	/	/	0.01%
5	Diarsenic pentaoxide*	1303-28-2	215-116-9	N.D.	/	/	0.01%
6	Diarsenic trioxide*	1327-53-3	215-481-4	N.D.	/	/	0.01%
7	Sodium dichromate*	7789-12-0/ 10588-01-9	234-190-3	N.D.	/	/	0.01%
8	Musk xylene	81-15-2	201-329-4	N.D.	/	/	0.005%
9	Bis(2-ethyl(hexyl)phthalate)(DEHP)	117-81-7	204-211-0	N.D.	/	/	0.005%
10	Hexabromocyclododecane (HBCDD)	25637-99-4/ 3194-55-6	247-148-4/ 221-695-9	N.D.	/	/	0.005%
11	Short Chain Chlorinated Paraffins(SCCPs)	85535-84-8	287-476-5	N.D.	/	/	0.01%
12	Bis(tributyltin)oxide (TBTO)*	56-35-9	200-268-0	N.D.	/	/	0.005%
13	Lead hydrogen arsenate*	7784-40-9	232-064-2	N.D.	/	/	0.01%
14	Benzyl butyl phthalate(BBP)	85-68-7	201-622-7	N.D.	/	/	0.005%
15	Triethyl arsenate*	15606-95-8	427-700-2	N.D.	/	/	0.01%
16	^① Anthracene oil	90640-80-5	292-602-7	N.D.	/	/	0.05%
17	^① Anthracene oil, anthracene paste, distn. Lights ****	91995-17-4	295-278-5	N.D.	/	/	0.05%
18	^① Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	N.D.	/	/	0.05%
19	^① Anthracene oil, anthracene-low	90640-82-7	292-604-8	N.D.	/	/	0.05%
20	^① Anthracene oil, anthracene paste	90640-81-6	292-603-2	N.D.	/	/	0.05%
21	^① Coal tar pitch, high temperature	65996-93-2	266-028-2	N.D.	/	/	0.05%
22	Acrylamide	79-06-1	201-173-7	N.D.	/	/	0.01%
23	2,4-Dinitrotoluene	121-14-2	204-450-0	N.D.	/	/	0.01%
24	Diisobutyl phthalate (DIBP)	84-69-5	201-553-2	N.D.	/	/	0.005%
25	^② Lead chromate	7758-97-6	231-846-0	N.D.	/	/	0.05%
26	^② Lead chromate molybdate sulphate red (C.I. Pigment Red 104)***	12656-85-8	235-759-9	N.D.	/	/	0.05%
27	^② Lead sulfochromate yellow (C.I. Pigment Yellow 34)***	1344-37-2	215-693-7	N.D.	/	/	0.05%
28	Tris(2-chloroethyl)phosphate (TCEP)	115-96-8	204-118-5	N.D.	/	/	0.01%

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29	Trichloroethylene	79-01-6	201-167-4	N.D.	/	/	0.005%
30	^③ Boric acid	10043-35-3 11113-50-1	233-139-2 234-343-4	N.D.	/	/	0.01%
31	^③ Disodium tetraborate, anhydrous*****	1330-43-4 12179-04-3 1303-96-4	215-540-4	N.D.	/	/	0.01%
32	^③ Tetraboron disodium heptaoxide, hydrate*****	12267-73-1	235-541-3	N.D.	/	/	0.01%
33	Sodium chromate*	7775-11-3	231-889-5	N.D.	/	/	0.01%
34	Potassium chromate*	7789-00-6	232-140-5	N.D.	/	/	0.01%
35	Ammonium dichromate*	7789-09-5	232-143-1	N.D.	/	/	0.01%
36	Potassium dichromate*	7778-50-9	231-906-6	N.D.	/	/	0.01%
37	Cobalt(II) sulphate*	10124-43-3	233-334-2	N.D.	/	/	0.01%
38	Cobalt(II) dinitrate*	10141-05-6	233-402-1	N.D.	/	/	0.01%
39	Cobalt(II) carbonate*	513-79-1	208-169-4	N.D.	/	/	0.01%
40	Cobalt(II) diacetate*	71-48-7	200-755-8	N.D.	/	/	0.01%
41	2-Methoxyethanol	109-86-4	203-713-7	N.D.	/	/	0.005%
42	2-Ethoxyethanol	110-80-5	203-804-1	N.D.	/	/	0.005%
43	Chromium trioxide*	1333-82-0	215-607-8	N.D.	/	/	0.01%
44	^① Acids generated from chromium trioxide and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid*	7738-94-5 13530-68-2	231-801-5 236-881-5	N.D.	/	/	0.01%
45	2-ethoxyethyl acetate	111-15-9	203-839-2	N.D.	/	/	0.01%
46	Strontium chromate*	7789-06-2	232-142-6	N.D.	/	/	0.01%
47	^① 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	271-084-6	N.D.	/	/	0.01%
48	Hydrazine	7803-57-8 302-01-2	206-114-9	N.D.	/	/	0.01%
49	1-methyl-2-pyrrolidone	872-50-4	212-828-1	N.D.	/	/	0.01%
50	1,2,3-trichloropropane	96-18-4	202-486-1	N.D.	/	/	0.01%
51	^① 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	276-158-1	N.D.	/	/	0.01%

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52	Dichromium tris(chromate)*	24613-89-6	246-356-2	N.D.	/	/	0.01%
53	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	234-329-8	N.D.	/	/	0.01%
54	Pentazinc chromate octahydroxide*	49663-84-5	256-418-0	N.D.	/	/	0.01%
55	^② Aluminosilicate Refractory Ceramic Fibres (RCF) **	-	-	N.D.	/	/	0.05%
56	^② Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) **	-	-	N.D.	/	/	0.05%
57	^① Formaldehyde, oligomeric reaction products with aniline (technical MDA) [▲]	25214-70-4	500-036-1	N.D.	/	/	0.01%
58	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	N.D.	/	/	0.005%
59	2-Methoxyaniline (o-Anisidine)	90-04-0	201-963-1	N.D.	/	/	0.005%
60	4-(1,1,3,3-tetramethylbutyl)phenol (4-tert-Octylphenol)	140-66-9	205-426-2	N.D.	/	/	0.005%
61	1,2-Dichloroethane	107-06-2	203-458-1	N.D.	/	/	0.005%
62	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	N.D.	/	/	0.005%
63	Arsenic acid*	7778-39-4	231-901-9	N.D.	/	/	0.01%
64	Calcium arsenate*	7778-44-1	231-904-5	N.D.	/	/	0.01%
65	Trilead diarsenate*	3687-31-8	222-979-5	N.D.	/	/	0.01%
66	N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	N.D.	/	/	0.005%
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	N.D.	/	/	0.005%
68	Phenolphthalein	77-9-8	201-004-7	N.D.	/	/	0.005%
69	Lead diazide*	13424-46-9	236-542-1	N.D.	/	/	0.01%
70	Lead 2,4,6-trinitro-m-phenylene dioxide (Lead styphnate)*	15245-44-0	239-290-0	N.D.	/	/	0.01%
71	Lead dipicrate*	6477-64-1	229-335-2	N.D.	/	/	0.01%

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72	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2	203-977-3	N.D.	/	/	0.01%
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	N.D.	/	/	0.01%
74	^③ Diboron trioxide	1303-86-2	215-125-8	N.D.	/	/	0.01%
75	Formamide	75-12-7	200-842-0	N.D.	/	/	0.01%
76	Lead(II) bis methanesulfonate*	17570-76-2	401-750-5	N.D.	/	/	0.01%
77	TGIC(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	219-514-3	N.D.	/	/	0.01%
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	N.D.	/	/	0.01%
79	4,4'-bis(dimethylamino) benzophenone (Michler's ketone)	90-94-8	202-027-5	N.D.	/	/	0.01%
80	N,N,N',N'-tetramethyl-4,4'-methylene dianiline (Michler's base)	101-61-1	202-959-2	N.D.	/	/	0.01%
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	N.D.	/	/	0.01%
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	N.D.	/	/	0.01%
83	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)***	6786-83-0	229-851-8	N.D.	/	/	0.01%
84	4,4'-bis(dimethylamino)-4"- (methylamino)trityl alcohol	561-41-1	209-218-2	N.D.	/	/	0.01%

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85	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	214-604-9	N.D.	/	/	0.05%
86	^① 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]	-	-	N.D.	/	/	0.05%
87	Diazeno-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	N.D.	/	/	0.05%
88	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	-	N.D.	/	/	0.05%
89	Henicosafuoroundecanoic acid	2058-94-8	218-165-4	N.D.	/	/	0.05%
90	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2	N.D.	/	/	0.05%
91	Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	85-42-7, 13149-00-3, 14166-21-3	201-604-9, 236-086-3, 238-009-9	N.D.	/	/	0.05%
92	Hexahydromethylphthalic anhydride, 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	N.D.	/	/	0.05%
93	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4	N.D.	/	/	0.05%
94	Diisopentylphthalate(DIPP)	605-50-5	210-088-4	N.D.	/	/	0.005%

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95	^① 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	N.D.	/	/	0.01%
96	N-pentyl-isopentylphthalate	776297-69-9	-	N.D.	/	/	0.005%
97	Methoxyacetic acid	625-45-6	210-894-6	N.D.	/	/	0.05%
98	Tricosafuorododecanoic acid	307-55-1	206-203-2	N.D.	/	/	0.05%
99	1,2-Diethoxyethane	629-14-1	211-076-1	N.D.	/	/	0.05%
100	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	N.D.	/	/	0.05%
101	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	202-453-1	N.D.	/	/	0.05%
102	N-methylacetamide	79-16-3	201-182-6	N.D.	/	/	0.05%
103	Pentalead tetraoxide sulphate*	12065-90-6	235-067-7	N.D.	/	/	0.01%
104	Biphenyl-4-ylamine	92-67-1	202-177-1	N.D.	/	/	0.05%
105	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	201-861-7	N.D.	/	/	0.05%
106	Dioxobis(stearato)trilead*	12578-12-0	235-702-8	N.D.	/	/	0.01%
107	Lead dinitrate*	10099-74-8	233-245-9	N.D.	/	/	0.01%
108	Tetralead trioxide sulphate*	12202-17-4	235-380-9	N.D.	/	/	0.01%
109	Lead monoxide (lead oxide)*	1317-36-8	215-267-0	N.D.	/	/	0.01%
110	Lead titanium trioxide*	12060-00-3	235-038-9	N.D.	/	/	0.01%
111	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	N.D.	/	/	0.05%
112	Acetic acid, lead salt, basic*	51404-69-4	257-175-3	N.D.	/	/	0.01%
113	Dimethyl sulphate	77-78-1	201-058-1	N.D.	/	/	0.05%
114	Furan	110-00-9	203-727-3	N.D.	/	/	0.05%
115	Pyrochlore, antimony lead yellow*	8012-00-8	232-382-1	N.D.	/	/	0.01%
116	Tetraethyllead*	78-00-2	201-075-4	N.D.	/	/	0.01%
117	[Phthalato(2-)]dioxotrilead*	69011-06-9	273-688-5	N.D.	/	/	0.01%
118	Diethyl sulphate	64-67-5	200-589-6	N.D.	/	/	0.05%
119	Lead cyanamidate*	20837-86-9	244-073-9	N.D.	/	/	0.01%
120	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped*	68784-75-8	272-271-5	N.D.	/	/	0.01%
121	Trilead dioxide phosphonate*	12141-20-7	235-252-2	N.D.	/	/	0.01%
122	o-Toluidine	95-53-4	202-429-0	N.D.	/	/	0.05%

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123	<i>o</i> -aminoazotoluene	97-56-3	202-591-2	N.D.	/	/	0.05%
124	4-aminoazobenzene	60-09-3	200-453-6	N.D.	/	/	0.05%
125	6-methoxy- <i>m</i> -toluidine (<i>p</i> -cresidine)	120-71-8	204-419-1	N.D.	/	/	0.05%
126	Dibutyltin dichloride (DBTC)	683-18-1	211-670-0	N.D.	/	/	0.05%
127	Lead titanium zirconium oxide*	12626-81-2	235-727-4	N.D.	/	/	0.01%
128	Methyloxirane (Propylene oxide)	75-56-9	200-879-2	N.D.	/	/	0.05%
129	1-bromopropane (n-propyl bromide)	106-94-5	203-445-0	N.D.	/	/	0.05%
130	Trilead bis(carbonate)dihydroxide*	1319-46-6	215-290-6	N.D.	/	/	0.01%
131	Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7	N.D.	/	/	0.01%
132	Orange lead (lead tetroxide)*	1314-41-6	215-235-6	N.D.	/	/	0.01%
133	Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	N.D.	/	/	0.01%
134	4,4'-oxydianiline and its salts	101-80-4	202-977-0	N.D.	/	/	0.05%
135	Lead oxide sulfate*	12036-76-9	234-853-7	N.D.	/	/	0.01%
136	Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	N.D.	/	/	0.01%
137	Silicic acid, lead salt*	11120-22-2	234-363-3	N.D.	/	/	0.01%
138	N,N-dimethylformamide	68-12-2	200-679-5	N.D.	/	/	0.05%
139	Cadmium	7440-43-9	231-152-8	N.D.	/	/	0.01%
140	Cadmium oxide*	1306-19-0	215-146-2	N.D.	/	/	0.01%
141	Dipentyl phthalate (DPP)	131-18-0	205-017-9	N.D.	/	/	0.005%
142	^① 4-Nonylphenol, branched and linear, ethoxylated[<i>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</i>]	-	-	N.D.	/	/	0.05%
143	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	N.D.	/	/	0.01%
144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	N.D.	/	/	0.01%

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Test Result(s)

No.	Substance Name(s)	CAS No.	EC No.	Concentration(%)			Report Limit
				The first test	The second test	The third test	
145	^① Trixylyl phosphate	25155-23-1	246-677-8	N.D.	/	/	0.01%
146	Disodium 4-amino-3- [[4'-[(2,4-diaminophenyl)azo] [1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6 - (phenylazo)naphthalene-2,7-disulpho nate (C.I. Direct Black 38)	1937-37-7	217-710-3	N.D.	/	/	0.01%
147	Dihexyl phthalate	84-75-3	201-559-5	N.D.	/	/	0.005%
148	Cadmium sulphide*	1306-23-6	215-147-8	N.D.	/	/	0.01%
149	Disodium 3,3'-[[1,1'-biphenyl]- 4,4'-diylbis(azo)]bis(4-aminonaphthal ene- 1-sulphonate) (C.I. Direct Red 28)***	573-58-0	209-358-4	N.D.	/	/	0.01%
150	Lead di(acetate)*	301-04-2	206-104-4	N.D.	/	/	0.01%
151	Imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7	202-506-9	N.D.	/	/	0.01%
152	^① 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	/	N.D.	/	0.01%
153	Cadmium chloride*	10108-64-2	233-296-7	/	N.D.	/	0.01%
154	^③ Sodium perborate; perboric acid, sodium salt*****	-	239-172-9, 234-390-0	/	N.D.	/	0.01%
155	^③ Sodium peroxometaborate*****	7632-04-4	231-556-4	/	N.D.	/	0.01%
156	2-(2H-Benzotriazol-2-yl)-4,6-ditertpe ntylphenol (UV-328)	25973-55-1	247-384-8	/	N.D.	/	0.01%
157	2-Benzotriazol-2-yl-4,6-di-tert-butylp henol (UV-320)	3846-71-7	223-346-6	/	N.D.	/	0.01%
158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5- dithia-4-stannatetradecanoate (DOTE)*	15571-58-1	239-622-4	/	N.D.	/	0.05%
159	Cadmium fluoride*	7790-79-6	232-222-0	/	N.D.	/	0.01%
160	Cadmium sulphate*	10124-36-4; 31119-53-6	233-331-6	/	N.D.	/	0.01%

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Test Result(s)

No.	Substance Name(s)	CAS No.	EC No.	Concentration(%)			Report Limit
				The first test	The second test	The third test	
161	① 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)*	-	-	/	N.D.	/	0.05%
162	① 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201- 559-5)	68515-51-5, 68648-93-1	271-094-0, 272-013-1	/	/	N.D.	0.05%
163	① 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]	-	-	/	/	N.D.	0.05%

Test Method:

Refer to US EPA3052:1996, US EPA 3050B:1996, US EPA3060A:1996, US EPA 3550C:2007,

US EPA 3540C:1996, ISO 17353:2004(E), BS EN 14582:2007 for sample pretreatment.

Analyzed by ICP-OES, UV-Vis, IC, HPLC, GC-MS, GC-MS(NCI), Headspace-GCMS and LC-MS-MS.

Sample information	The first test	The second test	The third test
Tested Sample/Part Description	Black solid	Black plastic	Black plastic

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Note:

1. w/w = weight by weight; 0.1% = 1000 mg/kg = 1000 ppm
2. N.D. = Not Detected (<report limit)
3. *: Concentration value of the substance by the conversion from the test results of certain elements. Concentration value of Bis(tributyltin)oxide(TBTO), 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE), 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) by the conversion from the test results of certain compounds (Tributyl Tins(TBT), Dioctyl Tins(DOT), Monoctyl Tins(MOT)).
4. **: All refractory ceramic fibres are covered by index number 650-017-00-8 in Annex VI of the Regulation on Classification, Labeling and Packaging of chemical substances and mixtures, the so called CLP Regulation (Regulation (EC) No 1272/2008).
5. ***: C.I.: Colour Index
6. ****: Light fractions from distillation
7. *****: Concentration value of Disodium tetraborate, anhydrous and Tetraboron disodium heptaoxide, hydrate is evaluated by Disodium tetraborate, with no consider of the hydrate. Concentration value of Sodium perborate; perboric acid, sodium salt; Sodium peroxometaborate is evaluated by Sodium perborate, with no consider of the hydrate.
8. ▲: Concentration value of Formaldehyde, oligomeric reaction products with aniline (technical MDA) by the conversion from the test results of certain compounds (2,4-Diaminodiphenylmethane, 4,4'- Diaminodiphenylmethane, 2,6-Diaminodiphenylmethane).
9. ①: In view of the substances are established as UVCB substances (substances of unknown or variable composition, complex reaction products or biological materials) consisting of different and variable constituents, the test results are calculated based on the main constituents of the representative compounds for substances.
10. ②: In view of the substance contain variable substances, the test results are calculated based on main constituents of the representative compounds for the substances, and the test results of the representative compounds are calculated based on the result of specified heavy metal elements.
11. ③: Concentration value of Boric acid; Disodium tetraborate, anhydrous; Tetraboron disodium heptaoxide, hydrate; Diboron trioxide; Sodium perborate; perboric acid, sodium salt; Sodium peroxometaborate is calculated by the conversion from the test results of certain elements and confirmed by appropriate solvent extraction, meanwhile the book of materials is suggested to be checked for further confirmation.
12. The first test result(s) of this report is/are presented in reference to the result(s) that reported in RHS05F023999001.
13. The second test result(s) of this report is/are presented in reference to the result(s) that reported in ECL01G030478001.

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Appendix:

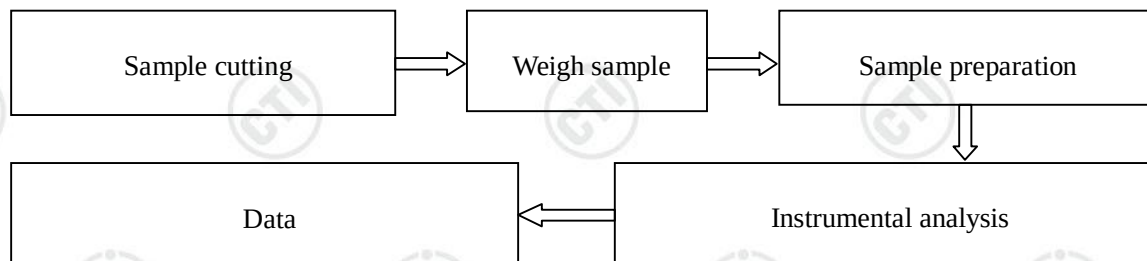
1. Any supplier of an article containing a substance that is included in the Candidate List in a concentration above 0.1 % weight by weight (w/w) has the duty to communicate information in accordance with Article 33 of European Union regulation concerning the Registration, Evaluation, Authorization and 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 mixtures.

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Test Process



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Photo(s) of the sample(s)



Final Product (The first test)



The first test

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The second test



The third test

*** End of Report ***

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