



Test Report

Report No.: SZC16092083187-1

Date: Sep. 26, 2016

Page 1 of 15

Applicant: SHENZHEN ESUN INDUSTRIAL CO., LTD.

Address : Wuhan University Building A403-I, No.6 Yuexing 2 Road, Nanshan District, Shenzhen, 518057, China

Report on the submitted sample(s) said to be:

Sample Name: 塑料类 3D 打印耗材

Sample Model:

1. eSteel Filament	2. eAl-fill Filament
3. PLA Filament	4. PLA+ Filament
5. ABS Filament	6. ABS+ Filament
7. HIPS Filament	8. PVA Filament
9. PETG Filament	10. ePA Filament
11. ePC Filament	

Sample Received Date: Sep. 20, 2016

Testing Period: Sep. 20, 2016 - Sep. 26, 2016

Test Requested: As specified 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 June 20, 2016.

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

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

Summary:	According to the specified scope and analytical technique. results of all 169 SVHC are less than 0.1% in the submitted sample(s).	PASS
-----------------	---	------

Checked by

Angela

Angela

Signed for and on behalf of HCT

Michael

Michael
Laboratory Manager





Test Report

Report No.: SZC16092083187-1

Date: Sep. 26, 2016

Page 2 of 15

(SVHC)

Tested Sample:

Tested Sample Description:

Sample No.	Sample Description
QT1609208318701	Plastic 3D print consumable

Tested Method:

HCT In-house method HCT/SZ-SOP-YJ-PI022, Analysis was performed by ICP-OES/GC-MS (HS)/HPLC-DAD-MS/IC/AAS/UV-VIS.

Test Result(s): (Substances in candidate list of SVHC)

Unit: %

Batch	No.	Substance Name(s)	CAS No.	EC No.	Result(s)	Report Limit
/	/	All tested SVHC in candidate list	/	/	N.D.	/

Note:

- N.D.= Not Detected (<report limit)
- 0.1%=1000mg/kg
- mg/kg=ppm=parts per million
- Substances in candidate list of SVHC please refer to following page(s).
- As specified by client, the submitted samples were mixed to test.
- The test results of Diboron trioxide, Boric acid, Disodium tetraborate, anhydrous, Tetraboron disodium heptaoxide, hydrate, Lead bis(tetrafluoroborate), Sodium peroxometaborate and Sodium perborate; perboric acid, sodium salt were based on the water extraction content of Boron.
- Result(s) of specimen(s) is(are) quoted from HCT report No. SZC16092083187.

Remarks:

1. As the concentration of above substance that identified is based on the worst case scenario. Further investigation is required for confirmation of the presence of the substance in the sample.
2. The report limit is evaluated based on the representative substances.





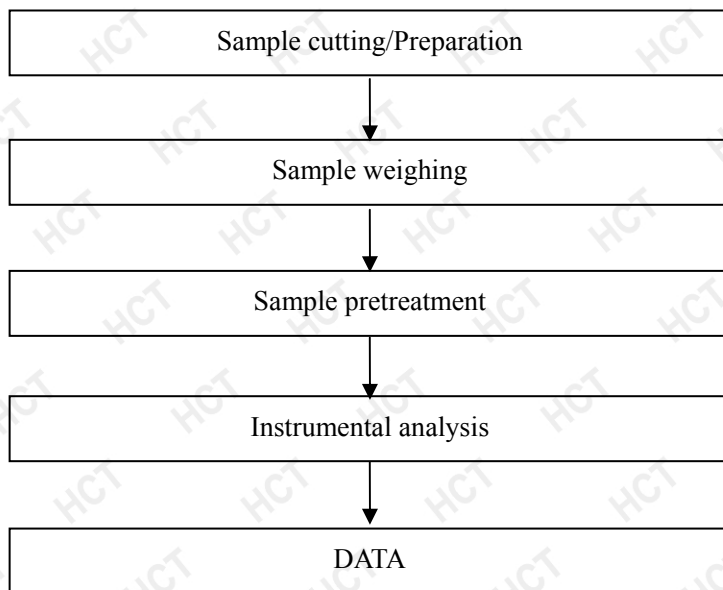
Test Report

Report No.: SZC16092083187-1

Date: Sep. 26, 2016

Page 3 of 15

Test Flow Chart



Test Report

Report No.: SZC16092083187-1

Date: Sep. 26, 2016

Page 4 of 15

The photo of the sample





Test Report

Report No.: SZC16092083187-1

Date: Sep. 26, 2016

Page 5 of 15

Full list of tested SVHC:

The first 15 SVHC(Announced in October, 2008)

Unit: %

No.	Substance Name(s)	CAS No.	EC No.	Report Limit
1	Anthracene	120-12-7	204-371-1	0.005
2	4,4'-Diaminodiphenylmethane	101-77-9	202-974-4	0.005
3	Dibutyl phthalate(DBP)	84-74-2	201-557-4	0.005
4	Di-(2-ethylhexyl)phthalate(DEHP)	117-81-7	204-211-0	0.005
5	Benzyl butyl phthalate(BBP)	85-68-7	201-622-7	0.005
6	Bis(tributyltin)oxide(TBTO)	56-35-9	200-268-0	0.005
7	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	0.005
8	Hexabromocyclododecane and all major diastereoisomers identified:(α -HBCDD, β -HBCDD, γ -HBCDD)(HBCDD)	25637-99-4, 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8)	247-148-4/ 221-695-9	0.005
9	Short Chain Chlorinated Paraffins(SCCPs)	85535-84-8	287-476-5	0.01
10	Lead hydrogen arsenate*	7784-40-9	232-064-2	0.05
11	Triethyl arsenate*	15606-95-8	427-700-2	0.05
12	Diarsenic pentaoxide*	1303-28-2	215-116-9	0.05
13	Diarsenic trioxide*	1327-53-3	215-481-4	0.05
14	Cobalt dichloride*	7646-79-9	231-589-4	0.05
15	Sodium dichromate*	7789-12-0, 10588-01-9	234-190-3	0.05





Test Report

Report No.: SZC16092083187-1

Date: Sep. 26, 2016

Page 6 of 15

The second 13 SVHC(Announced in January and March, 2010)

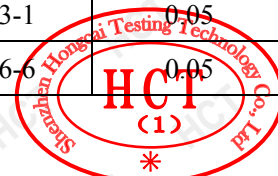
Unit: %

No.	Substance Name(s)	CAS No.	EC No.	Report Limit
16	^① Anthracene oil	90640-80-5	292-602-7	0.05
17	^① Anthracene oil, anthracene paste, distn. Lights****	91995-17-4	295-278-5	0.05
18	^① Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	0.05
19	^① Anthracene oil, anthracene-low	90640-82-7	292-604-8	0.05
20	^① Anthracene oil, anthracene paste	90640-81-6	292-603-2	0.05
21	Diisobutyl phthalate(DIBP)	84-69-5	201-553-2	0.005
22	2,4-Dinitrotoluene	121-14-2	204-450-0	0.01
23	^② Lead chromate	7758-97-6	231-846-0	0.05
24	^② Lead chromate molybdate sulphate red (C.I. Pigment Red 104) ***	12656-85-8	235-759-9	0.05
25	^② Lead sulfochromate yellow(C.I. Pigment Yellow 34)***	1344-37-2	215-693-7	0.05
26	^① Pitch, coal tar, high temperature	65996-93-2	266-028-2	0.05
27	Tris(2-chloroethyl)phosphate(TCEP)	115-96-8	204-118-5	0.01
28	Acrylamide	79-06-1	201-173-7	0.01

The third 8 SVHC(Announced in June, 2010)

Unit: %

No.	Substance Name(s)	CAS No.	EC No.	Report Limit
29	Trichloroethylene	79-01-6	201-167-4	0.01
30	Boric acid*	10043-35-3/ 11113-50-1	233-139-2 234-343-4	0.05
31	Disodium tetraborate, anhydrous*	1330-43-4 12179-04-3 1303-96-4	215-540-4	0.05
32	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	235-541-3	0.05
33	Sodium chromate*	7775-11-3	231-889-5	0.05
34	Potassium chromate*	7789-00-6	232-140-5	0.05
35	Ammonium dichromate*	7789-09-5	232-143-1	0.05
36	Potassium dichromate*	7778-50-9	231-906-6	0.05





Test Report

Report No.: SZC16092083187-1

Date: Sep. 26, 2016

Page 7 of 15

The fourth 8 SVHC(Announced in December,2010)

Unit: %

No.	Substance Name(s)	CAS No.	EC No.	Report Limit
37	Chromium trioxide*	1333-82-0	215-607-8	0.05
38	2-Methoxyethanol	109-86-4	203-713-7	0.05
39	2-Ethoxyethanol	110-80-5	203-804-1	0.05
40	Cobalt(II) diacetate*	71-48-7	200-755-8	0.05
41	Cobalt(II) carbonate*	513-79-1	208-169-4	0.05
42	Cobalt(II) dinitrate*	10141-05-6	233-402-1	0.05
43	Cobalt(II) sulphate*	10124-43-3	233-334-2	0.05
44	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	0.05

The fifth 7 SVHC(Announced in June, 2011)

Unit: %

No.	Substance Name(s)	CAS No.	EC No.	Report Limit
45	(2-EEA)2-ethoxyethyl acetate	111-15-9	203-839-2	0.01
46	strontium chromate*	7789-06-2	232-142-6	0.05
47	①1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters(DHNUP)	68515-42-4	271-084-6	0.05
48	Hydrazine	7803-57-8 302-01-2	206-114-9	0.01
49	1-methyl-2-pyrrolidone	872-50-4	212-828-1	0.01
50	1,2,3-trichloropropane	96-18-4	202-486-1	0.01
51	①1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich(DIHP)	71888-89-6	276-158-1	0.05





Test Report

Report No.: SZC16092083187-1

Date: Sep. 26, 2016

Page 8 of 15

The sixth 20 SVHC(Announced in December, 2011)

Unit: %

No.	Substance Name(s)	CAS No.	EC No.	Report Limit
52	^② Aluminosilicate, Refractory Ceramic Fibres	—	650-017-00-8**	0.05
53	^② Zirconia Aluminosilicate, Refractory Ceramic Fibres	—	650-017-00-8**	0.05
54	Dichromium tris(chromate) *	24613-89-6	246-356-2	0.05
55	Potassium hydroxyoctaoxodizincate di-chromate*	11103-86-9	234-329-8	0.05
56	Pentazinc chromate octahydroxide (C.I. pigment yellow 36)***	49663-84-5	256-418-0	0.05
57	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	500-036-1	0.05
58	Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	204-212-6	0.005
59	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	0.01
60	4-(1,1,3,3-tetramethylbutyl)phenol,(4-tert-Octylphenol)	140-66-9	205-426-2	0.01
61	1,2-Dichloroethane	107-06-2	203-458-1	0.01
62	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	0.01
63	Arsenic acid*	7778-39-4	231-901-9	0.05
64	Calcium arsenate*	7778-44-1	231-904-5	0.05
65	Trilead diarsenate*	3687-31-8	222-979-5	0.05
66	N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	0.01
67	Phenolphthalein	77-09-8	201-004-7	0.05
68	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	0.01
69	Lead azide; Lead diazide*	13424-46-9	236-542-1	0.05
70	Lead styphnate*	15245-44-0	239-290-0	0.05
71	Lead dipicrate*	6477-64-1	229-335-2	0.05



Test Report

Report No.: SZC16092083187-1

Date: Sep. 26, 2016

Page 9 of 15

The seventh 13 SVHC(Announced in June, 2012)

Unit: %

No.	Substance Name(s)	CAS No.	EC No.	Report Limit
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	203-977-3	0.01
73	1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	0.01
74	Diboron trioxide*	1303-86-2	215-125-8	0.05
75	Formamide	75-12-7	200-842-0	0.01
76	Lead(II)bis(methanesulfonate)*	17570-76-2	401-750-5	0.05
77	TGIC(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	2451-62-9	219-514-3	0.05
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	0.05
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	202-027-5	0.01
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	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	0.05
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammoniumchloride (C.I. Basic Blue 26)	2580-56-5	219-943-6	0.05
83	α, α -Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	229-851-8	0.05
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	209-218-2	0.01





Test Report

Report No.: SZC16092083187-1

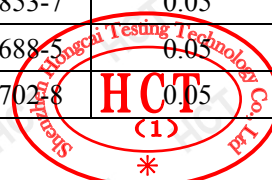
Date: Sep. 26, 2016

Page 10 of 15

The eighth 54 SVHC(Announced in December, 2012)

Unit: %

No.	Substance Name(s)	CAS No.	EC No.	Report Limit
85	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	214-604-9	0.005
86	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2	0.01
87	Tricosafuorododecanoic acid	307-55-1	206-203-2	0.01
88	Henicosafuoroundecanoic acid	2058-94-8	218-165-4	0.01
89	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4	0.01
90	①4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated -covering well-defined substances and UVCB substances, polymers and homologues	—	—	0.01
91	①4-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	—	—	0.01
92	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	0.01
93	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	85-42-7	201-604-9	0.01
94	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	0.01
95	Methoxy acetic acid	625-45-6	210-894-6	0.01
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	0.01
97	Diisopentylphthalate (DIPP)	605-50-5	210-088-4	0.01
98	N-pentyl-isopentylphthalate	776297-69-9	—	0.01
99	1,2-Diethoxyethane	629-14-1	211-076-1	0.01
100	N,N-dimethylformamide; dimethyl formamide	68-12-2	200-679-5	0.01
101	Dibutyltin dichloride (DBT)	683-18-1	211-670-0	0.01
102	Acetic acid, lead salt, basic*	51404-69-4	257-175-3	0.05
103	Basic lead carbonate (trileadbis(carbonate)dihydroxide)*	1319-46-6	215-290-6	0.05
104	Lead oxide sulfate (basic lead sulfate)*	12036-76-9	234-853-7	0.05
105	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)*	69011-06-9	273-688-5	0.05
106	Dioxobis(stearato)trilead*	12578-12-0	235-702-8	0.05





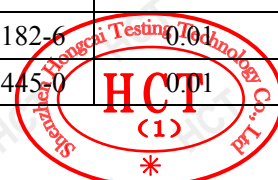
Test Report

Report No.: SZC16092083187-1

Date: Sep. 26, 2016

Page 11 of 15

No.	Substance Name(s)	CAS No.	EC No.	Report Limit
107	Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7	0.05
108	Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	0.05
109	Lead cyanamide*	20837-86-9	244-073-9	0.05
110	Lead dinitrate*	10099-74-8	233-245-9	0.05
111	Lead oxide (lead monoxide)*	1317-36-8	215-267-0	0.05
112	Lead tetroxide (orange lead)*	1314-41-6	215-235-6	0.05
113	Lead titanium trioxide*	12060-00-3	235-038-9	0.05
114	Lead Titanium Zirconium Oxide*	12626-81-2	235-727-4	0.05
115	Pentalead tetraoxide sulphate*	12065-90-6	235-067-7	0.05
116	Pyrochlore, antimony lead yellow C.I.***	8012-00-8	232-382-1	0.05
117	Silicic acid, barium salt, lead-doped*	68784-75-8	272-271-5	0.05
118	Silicic acid, lead salt*	11120-22-2	234-363-3	0.05
119	Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	0.05
120	Tetraethyllead*	78-00-2	201-075-4	0.05
121	Tetralead trioxide sulphate*	12202-17-4	235-380-9	0.05
122	Trilead dioxide phosphonate*	12141-20-7	235-252-2	0.05
123	Furan	110-00-9	203-727-3	0.01
124	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	200-879-2	0.01
125	Diethyl sulphate	64-67-5	200-589-6	0.01
126	Dimethyl sulphate	77-78-1	201-058-1	0.01
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	0.01
128	Dinoseb	88-85-7	201-861-7	0.01
129	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	0.01
130	4,4'-oxydianiline and its salts	101-80-4	202-977-0	0.01
131	4-Aminoazobenzene;4-Phenylazoaniline	60-09-3	200-453-6	0.01
132	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	202-453-1	0.01
133	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	0.01
134	Biphenyl-4-ylamine	92-67-1	202-177-1	0.01
135	o-aminoazotoluene	97-56-3	202-591-2	0.005
136	o-Toluidine; 2-Aminotoluene	95-53-4	202-429-0	0.01
137	N-methylacetamide	79-16-3	201-182-6	0.01
138	1-bromopropane; n-propyl bromide	106-94-5	203-445-0	0.01





Test Report

Report No.: SZC16092083187-1

Date: Sep. 26, 2016

Page 12 of 15

The ninth 6 SVHC(Announced in June, 2013)

Unit: %

No.	Substance Name(s)	CAS No.	EC No.	Report Limit
139	Cadmium	7440-43-9	231-152-8	0.005
140	Cadmium oxide*	1306-19-0	215-146-2	0.05
141	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	0.01
142	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	0.01
143	Dipentyl phthalate (DPP)	131-18-0	205-017-9	0.01
144	①4-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]	—	—	0.05

The tenth 7 SVHC(Announced in December, 2013)

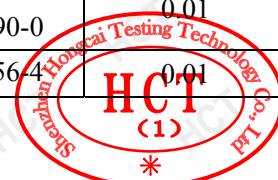
Unit: %

No.	Substance Name(s)	CAS No.	EC No.	Report Limit
145	Cadmium sulphide *	1306-23-6	215-147-8	0.01
146	Dihexyl phthalate	84-75-3	201-559-5	0.01
147	②Disodium 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	0.01
148	②Disodium 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	0.01
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	202-506-9	0.01
150	Lead di(acetate) *	301-04-2	206-104-4	0.05
151	Trixylyl phosphate	25155-23-1	246-677-8	0.01

The eleventh 4 SVHC(Announced in June, 2014)

Unit: %

No.	Substance Name(s)	CAS No.	EC No.	Report Limit
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	0.01
153	Cadmium chloride*	10108-64-2	233-296-7	0.01
154	Sodium perborate; perboric acid, sodium salt*	—	239-172-9, 234-390-0	0.01
155	Sodium peroxometaborate*	7632-04-4	231-556-4	0.01



Test Report

Report No.: SZC16092083187-1

Date: Sep. 26, 2016

Page 13 of 15

The twelfth 6 SVHC(Announced in December, 2014)

Unit: %

No.	Substance Name(s)	CAS No.	EC No.	Report Limit
156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	0.01
157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6	0.01
158	Cadmium fluoride*	7790-79-6	232-222-0	0.05
159	Cadmium sulphate*	10124-36-4; 31119-53-6	233-331-6	0.05
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate(DOTE)	15571-58-1	239-622-4	0.05
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)	—	—	0.05

The thirteenth 2 SVHC(Announced in June, 2015)

Unit: %

No.	Substance Name(s)	CAS No.	EC No.	Report Limit
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5)	68515-51-5 68648-93-1	271-094-0 272-013-1	0.01
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]	—	—	0.01





Test Report

Report No.: SZC16092083187-1

Date: Sep. 26, 2016

Page 14 of 15

The fourteenth 5 SVHC(Announced in December, 2015)

Unit: %

No.	Substance Name(s)	CAS No.	EC No.	Report Limit
164	Nitrobenzene	98-95-3	202-716-0	0.01
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8	0.01
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	253-037-1	0.01
167	1,3-propanesultone	1120-71-4	214-317-9	0.01
168	Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptafluorononanoic acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	206-801-3	0.01

The fifteenth 1 SVHC(Announced in June, 2016)

Unit: %

No.	Substance Name(s)	CAS No.	EC No.	Report Limit
169	Benzo[def]chrysene	50-32-8	200-028-5	0.01

Note:

-0.1%=1000mg/kg=1000ppm

-*: Inorganic SVHC compounds are obtained by converting the test results of cobalt, chloride, sodium, arsenic, chromium, potassium, lead, boron, zirconium, titanium, tin, phosphorus, calcium, zinc, strontium, molybdenum, aluminum and cadmium elements, and confirmed through the appropriate solvent extraction. At the same time, customers are suggested to check the chemical formula table, to further confirm whether above materials are contained.

-**: 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).

-***:C.I.:Colour Index

-****:Light fractions from distillation

-^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.

-^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.





Test Report

Report No.: SZC16092083187-1

Date: Sep. 26, 2016

Page 15 of 15

Appendix:

1. According to the Article 33 of the Regulation (EC) No 1907/2006(REACH)-Duty to communicate information on substances in articles.

—Any supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a Result 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.

—On request by a consumer any supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a Result above 0.1% weight by weight(w/w) shall provide the consumer with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance. The relevant information shall be provided, free of charge, within 45 days of receipt of the request.

2. According to the Article 33 of the Regulation (EC) No 1907/2006(REACH)-Notification of the Substance in Article.

—If a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1), EU and EEA producers or importers of articles have to notify ECHA when their article contains a substance on the Candidate List. This obligation applies if the substance is present above 0.1%(w/w) and its quantities in the produced/imported articles are above 1 tonne in total per year.

3. According to the other articles of the Regulation(EC) No 1907/2006(REACH), The relevant obligation for the substance on its own or in preparation.

—OBLIGATIONS:SUBSTANCES

From 28 October 2008, EU&EEA suppliers of a substance have to provide a safety data sheet to their customers when the substance is on the Candidate List.

—OBLIGATIONS:PREPARATIONS

From 28 October 2008, EU&EEA suppliers of a preparation not classified as dangerous according to Directive 1999/45/EC have to provide the recipients, at their request, with a safety data sheet if the preparation contains at least one substance on the Candidate List and its individual Result is at least 0.1%(w/w) for non gaseous preparations and at least 0.2% by volume for gaseous preparations.

End

This report will go into effect with HCT stamp. This report could not be revised. This report is only responsible for the test result of submitted samples. Without written authorization, any copy of this report for propaganda is invalid.

