

Test Report

Report No.: A001R20170725001-4

Date: Jul.31,2017

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Applicant: Shenzhen Anxinke Technology Co., Ltd.
Address: 6 Floor C2 Building, Gushu Huafeng Industrial Park, Xixiang Town, Bao'an District,
Shenzhen City.

Report on the submitted samples said to be:

Sample Name : ESP-12F
Sample Received Date : Jul.25, 2017
Testing Period : Jul.25, 2017 to Jul.31, 2017

Test Requested:

1.As specified by client, refer to EU Regulation (EC) No 1907/2006 (REACH), to screen one hundred and seventy-four (174) Substances of Very High Concern (SVHC) in the submitted sample. The list is the one that is published by European Chemicals Administration (ECHA) on 7thJuly, 2017.
2. As specified by client, refer to EU Regulation (EC) No 1907/2006 (REACH), to screen sixty-six (66) Substances of Very High Concern (SVHC) of metal in the submitted sample. The list is the one that is published by European Chemicals Administration (ECHA) on 17th.Dec, 2014.

Test Method:

Please refer to next page(s).

Test Result:

Please refer to next page(s).

Tested by:

Tony

Wutao, Tony

Test Team Leader

Reviewed by:

Jason

Jiangyuncheng, Jason

Laboratory Manager

Approved by:

Lewis

Liulinwen, Lewis

Technical Director



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1.The test result of SVHC:
Substance information & Method & Result(s) :

Unit: %

No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.	Result(s)	Report Limit
					2	
First batch						
1	Anthracene	AfPS ProdSG:2014 GC-MS	120-12-7	204-371-1	N.D.	0.01
2	4,4'-Diaminodiphenylmethane	EPA 3550C:2007& EPA 8270D:2014 GC-MS	101-77-9	202-974-4	N.D.	0.01
3	Dibutyl phthalate (DBP)	EN 14372:2004 GC-MS	84-74-2	201-557-4	N.D.	0.01
4	Bis(2-ethylhexyl)phthalate (DEHP)		117-81-7	204-211-0	N.D.	0.01
5	Benzyl butyl phthalate (BBP)		85-68-7	201-622-7	N.D.	0.01
6	Bis(tributyltin)oxide (TBTO)	ISO17353:2004(E) GC-MS	56-35-9	200-268-0	N.D.	0.01
7	5-tert-butyl-2,4,6-trinitro-m-xylene	EPA 3550C:2007& EPA 8270D:2014 GC-MS	81-15-2	201-329-4	N.D.	0.01
8	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified:(α -HBCDD, β -HBCDD, γ -HBCDD)		25637-99-4 3194-55-6 (134237-51-7 134237-50-6 134237-52-8)	247-148-4 221-695-9	N.D.	0.01
9	Alkanes, C10-13 chloro (short chain chlorinated paraffins, SCCP)		85535-84-8	287-476-5	N.D.	0.01
10	Lead hydrogen arsenate*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	7784-40-9	232-064-2	N.D.	0.01
11	Triethyl arsenate*		15606-95-8	427-700-2	N.D.	0.01
12	Diarsenic pentaoxide *		1303-28-2	215-116-9	N.D.	0.01
13	Diarsenic trioxide*		1327-53-3	215-481-4	N.D.	0.01

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Substance information & Method & Result(s) :

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					2	
14	Cobalt dichloride*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 &EN14582:2016 ICP-OES &IC	7646-79-9	231-589-4	N.D.	0.01
15	Sodium dichromate*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES & UV-Vis	7789-12-0 10588-01-9	234-190-3	N.D.	0.01
Second batch						
16	① Anthracene oil	AfPS ProdSG:2014 GC-MS	90640-80-5	292-602-7	N.D.	0.01
17	① Anthracene oil, anthracene paste, distn. Lights		91995-17-4	295-278-5	N.D.	0.01
18	① Anthracene oil, anthracene paste, anthracene fraction		91995-15-2	295-275-9	N.D.	0.01
19	① Anthracene oil, anthracene-low		90640-82-7	292-604-8	N.D.	0.01
20	① Anthracene oil, anthracene paste		90640-81-6	292-603-2	N.D.	0.01
21	Diisobutyl phthalate (DIBP)	EN 14372:2004 GC-MS	84-69-5	201-553-2	N.D.	0.01
22	2,4-Dinitrotoluene (2,4-DNT)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	121-14-2	204-450-0	N.D.	0.01
23	② Lead chromate	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES & UV-Vis	7758-97-6	231-846-0	N.D.	0.01
24	② Lead chromate molybdate sulphate red (C.I. Pigment Red 104) ***		12656-85-8	235-759-9	N.D.	0.01
25	② Lead sulfochromate yellow (C.I. Pigment Yellow 34)		1344-37-2	215-693-7	N.D.	0.01

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26	^① Pitch, coal tar, high temp.	AfPS ProdSG:2014 GC-MS	65996-93-2	266-028-2	N.D.	0.01
27	Tris(2-chloroethyl) phosphate(TCEP)	EPA 3540C:1996& EPA 8270D:2014 GC-MS	115-96-8	204-118-5	N.D.	0.01
28	Acrylamide	EPA 3550C:2007& EPA 8321B:2007 HPLC	79-06-1	201-173-7	N.D.	0.01
Third batch						
29	Trichloroethylene	EPA 3550C:2007& EPA 8270D:2014 GC-MS	79-01-6	201-167-4	N.D.	0.01
30	Boric acid*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	10043-35-3 11113-50-1	233-139-2 234-343-4	N.D.	0.01
31	Disodium tetraborate, anhydrous*		1330-43-4 12179-04-3 1303-96-4	215-540-4	N.D.	0.01
32	Tetraboron disodium heptaoxide, hydrate*		12267-73-1	235-541-3	N.D.	0.01
33	Sodium chromate*		EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES&UV-Vis	7775-11-3 7789-00-6 7789-09-5 7778-50-9	231-889-5 232-140-5 232-143-1 231-906-6	N.D. N.D. N.D. N.D.
34	Potassium chromate*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES&UV-Vis	7775-11-3	231-889-5	N.D.	0.01
35	Ammonium dichromate*		7789-00-6	232-140-5	N.D.	0.01
36	Potassium dichromate*		7789-09-5	232-143-1	N.D.	0.01
36	Potassium dichromate*		7778-50-9	231-906-6	N.D.	0.01
Fourth batch						
37	Chromium trioxide*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES&UV-Vis	1333-82-0	215-607-8	N.D.	0.01
38	2-Methoxyethanol	EPA 3550C:2007& EPA 8270D:2014 GC-MS	109-86-4	203-713-7	N.D.	0.01
39	2-Ethoxyethanol		110-80-5	203-804-1	N.D.	0.01

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40	Cobalt(II) diacetate*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	71-48-7	200-755-8	N.D.	0.01
41	Cobalt(II) carbonate*		513-79-1	208-169-4	N.D.	0.01
42	Cobalt(II) dinitrate*		10141-05-6	233-402-1	N.D.	0.01
43	Cobalt(II) sulphate*		10124-43-3	233-334-2	N.D.	0.01
44	Acids generated from chromium trioxide and their oligomers Group containing: Chromic acid*, Dichromic acid*, Oligomers of chromic acid and dichromic acid*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES & UV-Vis	7738-94-5 13530-68-2	231-801-5 236-881-5	N.D.	0.01
Fifth batch						
45	2-ethoxyethyl acetate	EPA 3550C:2007& EPA 8270D:2014 GC-MS	111-15-9	203-839-2	N.D.	0.01
46	Strontium chromate *	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES & UV-Vis	7789-06-2	232-142-6	N.D.	0.01
47	^① 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	EN 14372:2004 GC-MS	68515-42-4	271-084-6	N.D.	0.01
48	Hydrazine	EPA 3550C:2007& EPA 8270D:2014 GC-MS	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 (DIHP)	EN 14372:2004 GC-MS	71888-89-6	276-158-1	N.D.	0.01

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					2	
Sixth batch						
52	Dichromium tris(chromate) *	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES & UV-Vis	24613-89-6	246-356-2	N.D.	0.01
53	Potassium hydroxyoctaoxodizincate di-chromate*		11103-86-9	234-329-8	N.D.	0.01
54	Pentazinc chromate octahydroxide ***	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	49663-84-5	256-418-0	N.D.	0.01
55	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	EPA 3550C:2007& EPA 8321B:2007 HPLC	25214-70-4	500-036-1	N.D.	0.01
56	Bis(2-methoxyethyl) phthalate (DMEP)	EN 14372:2004 GC-MS	117-82-8	204-212-6	N.D.	0.01
57	2-Methoxyaniline; o-Anisidine	EPA 3550C:2007& EPA 8270D:2014 GC-MS	90-04-0	201-963-1	N.D.	0.01
58	4-(1,1,3,3-tetramethylbutyl) phenol, (4-tert-Octylphenol)		140-66-9	205-426-2	N.D.	0.01
59	1,2-Dichloroethane		107-06-2	203-458-1	N.D.	0.01
60	Bis(2-methoxyethyl) ether		111-96-6	203-924-4	N.D.	0.01
61	Arsenic acid*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	7778-39-4	231-901-9	N.D.	0.01
62	Calcium arsenate*		7778-44-1	231-904-5	N.D.	0.01
63	Trilead diarsenate*		3687-31-8	222-979-5	N.D.	0.01
64	N,N-dimethylacetamide (DMAC)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	127-19-5	204-826-4	N.D.	0.01

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Unit: %

No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.	Result(s)	Report Limit
					2	
65	Phenolphthalein	EPA 3550C:2007& EPA 8321B:2007 HPLC	77-09-8	201-004-7	N.D.	0.01
66	2,2'-dichloro-4,4'-methyle nedianiline (MOCA)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	101-14-4	202-918-9	N.D.	0.01
67	Lead azide; Lead diazide*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	13424-46-9	236-542-1	N.D.	0.01
68	Lead styphnate*		15245-44-0	239-290-0	N.D.	0.01
69	Lead dipicrate*		6477-64-1	229-335-2	N.D.	0.01
70	^② Aluminosilicate Refractory Ceramic Fibres (RCF)		-	-	N.D.	0.01
71	^② Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)		-	-	N.D.	0.01
Seventh batch						
72	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	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	Diboron trioxide*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	1303-86-2	215-125-8	N.D.	0.01
75	Lead(II)bis(methanesulfon ate)*		17570-76-2	401-750-5	N.D.	0.01
76	Formamide	EPA 3550C:2007& EPA 8270D:2014 GC-MS	75-12-7	200-842-0	N.D.	0.01
77	1,3,5-tris(oxiranylmethyl)- 1,3,5-triazine-2,4,6-(1H,3H ,5H)-trione (TGIC)	EPA 3550C:2007& EPA 8321B:2007 HPLC	2451-62-9	219-514-3	N.D.	0.01
78	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3, 5-triazine-2,4,6-(1H,3H,5 H)-trione (β-TGIC)		59653-74-6	423-400-0	N.D.	0.01

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No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.	Result(s)	Report Limit
					2	
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	90-94-8	202-027-5	N.D.	0.01
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (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) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	EPA 3550C:2007& EPA 8321B:2007 HPLC	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) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]		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) [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	229-851-8	N.D.	0.01
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	209-218-2	N.D.	0.01

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Eighth batch						
85	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	IEC 62321-6:2015 GC-MS	1163-19-5	214-604-9	N.D.	0.01
86	Pentacosfluorotridecanoic acid	EPA 3550C:2007& EPA 8321B:2007 HPLC	72629-94-8	276-745-2	N.D.	0.01
87	Tricosfluorododecanoic acid		307-55-1	206-203-2	N.D.	0.01
88	Henicosfluoroundecanoic acid		2058-94-8	218-165-4	N.D.	0.01
89	Heptacosfluorotetradecanoic acid		376-06-7	206-803-4	N.D.	0.01
90	④4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	EPA 3550C:2007& EPA 8270D:2014 GC-MS	-	-	N.D.	0.01
91	④4-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.	0.01
92	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	EPA 3550C:2007& EPA 8321B:2007 HPLC	123-77-3	204-650-8	N.D.	0.01
93	Hexahydromethylphthalic anhydride Hexahydro-4-methylphthalic anhydride Hexahydro-1-methylphthalic anhydride Hexahydro-3-methylphthalic anhydride	EPA 3550C:2007& EPA 8270D:2014 GC-MS	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.	0.01

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					2	
94	Cyclohexane-1,2-dicarboxylic anhydride	EPA 3550C:2007& EPA 8270D:2014 GC-MS	85-42-7, 13149-00-3, 14166-21-3	201-604-9, 236-086-3, 238-009-9	N.D.	0.01
95	Methoxy acetic acid		625-45-6	210-894-6	N.D.	0.01
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear		84777-06-0	284-032-2	N.D.	0.01
97	Diisopentylphthalate (DIPP)	EN 14372:2004 GC-MS	605-50-5	210-088-4	N.D.	0.01
98	N-pentyl-isopentylphthalate		776297-69-9	-	N.D.	0.01
99	1,2-diethoxyethane	EPA 3550C:2007& EPA 8270D:2014 GC-MS	629-14-1	211-076-1	N.D.	0.01
100	N,N-dimethylformamide		68-12-2	200-679-5	N.D.	0.01
101	Dibutyltin dichloride (DBTC)	ISO 17353:2004(E) GC-MS	683-18-1	211-670-0	N.D.	0.01
102	Acetic acid, lead salt, basic*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	51404-69-4	257-175-3	N.D.	0.01
103	Trilead bis(carbonate) dihydroxide*		1319-46-6	215-290-6	N.D.	0.01
104	Lead oxide sulfate*		12036-76-9	234-853-7	N.D.	0.01
105	[Phthalato(2-)]dioxotrilead *		69011-06-9	273-688-5	N.D.	0.01
106	Dioxobis(stearato)trilead *		12578-12-0	235-702-8	N.D.	0.01
107	Fatty acids, C16-18, lead salts*		91031-62-8	292-966-7	N.D.	0.01
108	Lead bis(tetrafluoroborate)*		13814-96-5	237-486-0	N.D.	0.01
109	Lead cyanamate*		20837-86-9	244-073-9	N.D.	0.01
110	Lead dinitrate*		10099-74-8	233-245-9	N.D.	0.01
111	Lead oxide (lead monoxide)*		1317-36-8	215-267-0	N.D.	0.01
112	Lead tetroxide (orange lead)*		1314-41-6	215-235-6	N.D.	0.01
113	Lead titanium trioxide*		12060-00-3	235-038-9	N.D.	0.01
114	Lead Titanium Zirconium Oxide*		12626-81-2	235-727-4	N.D.	0.01
115	②Pentalead tetraoxide sulphate*		12065-90-6	235-067-7	N.D.	0.01

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Unit: %

No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.	Result(s)	Report Limit
					2	
116	^② Pyrochlore, antimony lead yellow *	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	8012-00-8	232-382-1	N.D.	0.01
117	^② Silicic acid, barium salt, lead-doped*		68784-75-8	272-271-5	N.D.	0.01
118	Silicic acid, lead salt*		11120-22-2	234-363-3	N.D.	0.01
119	Sulfurous acid, lead salt, dibasic*		62229-08-7	263-467-1	N.D.	0.01
120	Tetraethyllead*		78-00-2	201-075-4	N.D.	0.01
121	Tetralead trioxide sulphate*		12202-17-4	235-380-9	N.D.	0.01
122	Trilead dioxide phosphonate*		12141-20-7	235-252-2	N.D.	0.01
123	Furan	EPA 3550C:2007& EPA 8270D:2014 GC-MS	110-00-9	203-727-3	N.D.	0.01
124	Methyloxirane (Propylene oxide)	EPA 3550C:2007& EPA 8270D:2014 HS-GC-MS	75-56-9	200-879-2	N.D.	0.01
125	Diethyl sulphate	EPA 3550C:2007& EPA 8321B:2007 HPLC	64-67-5	200-589-6	N.D.	0.01
126	Dimethyl sulphate		77-78-1	201-058-1	N.D.	0.01
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	EPA 3550C:2007& EPA 8270D:2014 GC-MS	143860-04-2	421-150-7	N.D.	0.01
128	Dinoseb		88-85-7	201-861-7	N.D.	0.01
129	4,4'-methylenedi-o-toluidine		838-88-0	212-658-8	N.D.	0.01
130	4,4'-oxydianiline and its salts		101-80-4	202-977-0	N.D.	0.01
131	4-aminoazobenzene		60-09-3	200-453-6	N.D.	0.01
132	4-methyl-m-phenylenediamine (toluene-2,4-diamine)		95-80-7	202-453-1	N.D.	0.01
133	6-methoxy-m-toluidine (p-cresidine)		120-71-8	204-419-1	N.D.	0.01
134	Biphenyl-4-ylamine		92-67-1	202-177-1	N.D.	0.01
135	o-aminoazotoluene [(4-o-tolylazo-o-toluidine)]		97-56-3	202-591-2	N.D.	0.01
136	o-toluidine		95-53-4	202-429-0	N.D.	0.01

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Unit: %

No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.	Result(s)	Report Limit
					2	
137	N-methylacetamide	EPA 3550C:2007& EPA 8270D:2014 GC-MS	79-16-3	201-182-6	N.D.	0.01
138	1-bromopropane (n-propyl bromide)	EPA 3550C:2007& EPA 8270D:2014 HS-GC-MS	106-94-5	203-445-0	N.D.	0.01
Ninth batch						
139	④4-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]	EPA 3550C:2007& EPA 8270D:2014 GC-MS	-	-	N.D.	0.01
140	Cadmium	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	7440-43-9	231-152-8	N.D.	0.01
141	Cadmium oxide*		1306-19-0	215-146-2	N.D.	0.01
142	Ammonium pentadecafluorooctanoate (APFO)	EPA 3550C:2007& EPA 8321B:2007 HPLC	3825-26-1	223-320-4	N.D.	0.01
143	Pentadecafluorooctanoic acid (PFOA)		335-67-1	206-397-9	N.D.	0.01
144	Dipentyl phthalate (DPP)	EN 14372:2004 GC-MS	131-18-0	205-017-9	N.D.	0.01

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Substance information & Method & Result(s):

Unit: %

No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.	Result(s)	Report Limit
					2	
Tenth batch						
145	Cadmium sulphide *	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	1306-23-6	215-147-8	N.D.	0.01
146	Dihexyl phthalate(DnHP)	EN 14372:2004 GC-MS	84-75-3	201-559-5	N.D.	0.01
147	^② Disodium 3,3'-[[1,1'-biphenyl]-4,4'-d iylbis(azo)]bis(4-aminona phthalene-1-sulphonate) (C.I. Direct Red 28)	EPA 3550C:2007& EPA 8321B:2007 HPLC	573-58-0	209-358-4	N.D.	0.01
148	^② Disodium 4-amino-3-[[4'-[(2,4-diam inophenyl)azo][1,1'-biphe nyl]-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
149	Imidazolidine-2-thione; 2-imidazoline-2-thiol	EPA 3550C:2007& EPA 8270D:2014 GC-MS	96-45-7	202-506-9	N.D.	0.01
150	Trixylyl phosphate		25155-23-1	246-677-8	N.D.	0.01
151	Lead di(acetate) *	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	301-04-2	206-104-4	N.D.	0.01
Eleventh batch						
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	EN 14372:2004 GC-MS	68515-50-4	271-093-5	N.D.	0.01
153	Cadmium chloride*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	10108-64-2	233-296-7	N.D.	0.01
154	Sodium perborate; perboric acid, sodium salt*		-	239-172-9 234-390-0	N.D.	0.01
155	Sodium peroxometaborate*		7632-04-4	231-556-4	N.D.	0.01

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Substance information & Method & Result(s):

Unit: %

No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.	Result(s)	Report Limit
					2	
Twelfth batch						
156	2-(2H-benzotriazol-2-yl)- 4,6-ditertpentylphenol (UV-328)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	25973-55-1	247-384-8	N.D.	0.01
157	2-benzotriazol-2-yl-4,6-di- tert-butylphenol (UV-320)		3846-71-7	223-346-6	N.D.	0.01
158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-ox o-8-oxa-3,5-dithia-4-stann atetradecanoate (DOTE)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	15571-58-1	239-622-4	N.D.	0.01
159	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-ox o-8-oxa-3,5-dithia-4-stann atetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhe xyl)oxy]-2-oxoethyl]thio] -4-octyl-7-oxo-8-oxa-3,5- dithia-4-stannatetradecano ate (reaction mass of DOTE and MOTE)		-	-	N.D.	0.01
160	Cadmium fluoride*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	7790-79-6	232-222-0	N.D.	0.01
161	Cadmium sulphate*		10124-36-4 31119-53-6	233-331-6	N.D.	0.01

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Substance information & Method & Result(s) :

Unit: %

No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.	Result(s)	Report Limit
					2	
Thirteenth batch						
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)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	68515-51-5 68648-93-1	271-094-0 272-013-1	N.D.	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]		-	-	N.D.	0.01

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Substance information & Method & Result(s) :
Unit: %

No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.	Result(s)	Report Limit
					2	
Fourteenth batch						
164	1,3-propanesultone	EPA 3540C:1996, GC-FID	1120-71-4	214-317-9	N.D.	0.01
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	EPA 3540C:1996& EPA 8321B:2007, HPLC	3864-99-1	223-383-8	N.D.	0.01
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)		36437-37-3	253-037-1	N.D.	0.01
167	Nitrobenzene	EPA 3540C:1996, GC-FID	98-95-3	202-716-0	N.D.	0.01
168	Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptafluorooctanoic acid and its sodium and ammonium salts)	EPA 3540C:1996& EPA 8321B:2007, LC-MS	375-95-1, 21049-39-8 4149-60-4	206-801-3	N.D.	0.01
Fifteenth batch						
169	Benzo[def]chrysene (Benzo[a]pyrene)	AfPS ProdSG:2014 GC-MS	50-32-8	200-028-5	N.D.	0.01

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Substance information & Method & Result(s) :

Unit: %

No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.	Result(s)	Report Limit
					2	
Sixteenth batch						
170	4,4'-isopropylidenediphenol (bisphenol A)	EPA 3550C:2007& EPA 8321B:2007, HPLC	80-05-7	201-245-8	N.D.	0.01
171	4-tert-pentylphenol (PTAP)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	80-46-6	201-280-9	N.D.	0.01
172	4-Heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly 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.	0.01
173	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	EPA 3550C:2007& EPA 8321B:2007, HPLC	3108-42-7 335-76-2 3830-45-3	- 206-400-3 221-470-5	N.D.	0.01
Seventeenth batch						
174	Perfluorohexane-1-sulphonic acid and its salts	EPA 3550C:2007& EPA 8270D:2014 GC-MS	355-46-4	206-587-1	N.D.	0.01

Remarks:

- 1.If a SVHC found over 0.1%, 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.
2. According to the specified scope and analytical technique concentrations of all 174 SVHC are less than 0.1% in the submitted sample(s).
3. The report limit = Results below this value will be stated as N.D.
4. As specified by client, the submitted samples were mixed to test.

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Substance information & Method & Result(s):

Unit: %

No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.	Result(s)	Report Limit
					1	
First batch						
1	Lead hydrogen arsenate*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	7784-40-9	232-064-2	N.D.	0.01
2	Triethyl arsenate*		15606-95-8	427-700-2	N.D.	0.01
3	Diarsenic pentaoxide *		1303-28-2	215-116-9	N.D.	0.01
4	Diarsenic trioxide*		1327-53-3	215-481-4	N.D.	0.01
5	Cobalt dichloride*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 &EN14582:2016 ICP-OES &IC	7646-79-9	231-589-4	N.D.	0.01
6	Sodium dichromate*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES & UV-Vis	7789-12-0 10588-01-9	234-190-3	N.D.	0.01
Second batch						
7	^② Lead chromate	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES & UV-Vis	7758-97-6	231-846-0	N.D.	0.01
8	^② Lead chromate molybdate sulphate red (C.I. Pigment Red 104) ***		12656-85-8	235-759-9	N.D.	0.01
9	^② Lead sulfochromate yellow (C.I. Pigment Yellow 34)		1344-37-2	215-693-7	N.D.	0.01

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Substance information & Method & Result(s) :

Unit: %

No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.	Result(s)	Report Limit
					1	
Third batch						
10	Boric acid*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	10043-35-3 11113-50-1	233-139-2 234-343-4	N.D.	0.01
11	Disodium tetraborate, anhydrous*		1330-43-4 12179-04-3 1303-96-4	215-540-4	N.D.	0.01
12	Tetraboron disodium heptaoxide, hydrate*		12267-73-1	235-541-3	N.D.	0.01
13	Sodium chromate*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES&UV-Vis	7775-11-3	231-889-5	N.D.	0.01
14	Potassium chromate*		7789-00-6	232-140-5	N.D.	0.01
15	Ammonium dichromate*		7789-09-5	232-143-1	N.D.	0.01
16	Potassium dichromate*		7778-50-9	231-906-6	N.D.	0.01
Fourth batch						
17	Chromium trioxide*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES&UV-Vis	1333-82-0	215-607-8	N.D.	0.01
18	Cobalt(II) diacetate*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	71-48-7	200-755-8	N.D.	0.01
19	Cobalt(II) carbonate*		513-79-1	208-169-4	N.D.	0.01
20	Cobalt(II) dinitrate*		10141-05-6	233-402-1	N.D.	0.01
21	Cobalt(II) sulphate*		10124-43-3	233-334-2	N.D.	0.01
22	Acids generated from chromium trioxide and their oligomers Group containing: Chromic acid*, Dichromic acid*, Oligomers of chromic acid and dichromic acid*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES & UV-Vis	7738-94-5 13530-68-2	231-801-5 236-881-5	N.D.	0.01

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Unit: %

No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.	Result(s)	Report Limit
					1	
Fifth batch						
23	Strontium chromate *	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES & UV-Vis	7789-06-2	232-142-6	N.D.	0.01
Sixth batch						
24	Dichromium tris(chromate) *	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES & UV-Vis	24613-89-6	246-356-2	N.D.	0.01
25	Potassium hydroxyoctaoxodizincate di-chromate*		11103-86-9	234-329-8	N.D.	0.01
26	Pentazinc chromate octahydroxide ***		49663-84-5	256-418-0	N.D.	0.01
27	Arsenic acid*		7778-39-4	231-901-9	N.D.	0.01
28	Calcium arsenate*		7778-44-1	231-904-5	N.D.	0.01
29	Trilead diarsenate*		3687-31-8	222-979-5	N.D.	0.01
30	Lead azide; Lead diazide*		13424-46-9	236-542-1	N.D.	0.01
31	Lead styphnate*		15245-44-0	239-290-0	N.D.	0.01
32	Lead dipicrate*		6477-64-1	229-335-2	N.D.	0.01
33	^② Aluminosilicate Refractory Ceramic Fibres (RCF)		-	-	N.D.	0.01
34	^② Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)	-	-	N.D.	0.01	
Seventh batch						
35	Diboron trioxide*	EPA3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	1303-86-2	215-125-8	N.D.	0.01
36	Lead(II)bis(methanesulfonate)*		17570-76-2	401-750-5	N.D.	0.01

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Substance information & Method & Result(s) :

Unit: %

No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.	Result(s)	Report Limit
					1	
Eighth batch						
37	Acetic acid, lead salt, basic*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	51404-69-4	257-175-3	N.D.	0.01
38	Trilead bis(carbonate) dihydroxide*		1319-46-6	215-290-6	N.D.	0.01
39	Lead oxide sulfate*		12036-76-9	234-853-7	N.D.	0.01
40	[Phthalato(2-)]dioxotrilead *		69011-06-9	273-688-5	N.D.	0.01
41	Dioxobis(stearato)trilead *		12578-12-0	235-702-8	N.D.	0.01
42	Fatty acids, C16-18, lead salts*		91031-62-8	292-966-7	N.D.	0.01
43	Lead bis(tetrafluoroborate)*		13814-96-5	237-486-0	N.D.	0.01
44	Lead cyanamate*		20837-86-9	244-073-9	N.D.	0.01
45	Lead dinitrate*		10099-74-8	233-245-9	N.D.	0.01
46	Lead oxide (lead monoxide)*		1317-36-8	215-267-0	N.D.	0.01
47	Lead tetroxide (orange lead)*		1314-41-6	215-235-6	N.D.	0.01
48	Lead titanium trioxide*		12060-00-3	235-038-9	N.D.	0.01
49	Lead Titanium Zirconium Oxide*		12626-81-2	235-727-4	N.D.	0.01
50	^② Pentalead tetraoxide sulphate*		12065-90-6	235-067-7	N.D.	0.01
51	^② Pyrochlore, antimony lead yellow *		8012-00-8	232-382-1	N.D.	0.01
52	^② Silicic acid, barium salt, lead-doped*		68784-75-8	272-271-5	N.D.	0.01
53	Silicic acid, lead salt*		11120-22-2	234-363-3	N.D.	0.01
54	Sulfurous acid, lead salt, dibasic*		62229-08-7	263-467-1	N.D.	0.01
55	Tetraethyllead*		78-00-2	201-075-4	N.D.	0.01
56	Tetralead trioxide sulphate*	12202-17-4	235-380-9	N.D.	0.01	
57	Trilead dioxide phosphonate*	12141-20-7	235-252-2	N.D.	0.01	

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Substance information & Method & Result(s) :

Unit: %

No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.	Result(s)	Report Limit
					1	
Ninth batch						
58	Cadmium	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	7440-43-9	231-152-8	N.D.	0.01
59	Cadmium oxide*		1306-19-0	215-146-2	N.D.	0.01
Tenth batch						
60	Cadmium sulphide *	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	1306-23-6	215-147-8	N.D.	0.01
61	Lead di(acetate) *		301-04-2	206-104-4	N.D.	0.01
Eleventh batch						
62	Cadmium chloride*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	10108-64-2	233-296-7	N.D.	0.01
63	Sodium perborate; perboric acid, sodium salt*		-	239-172-9 234-390-0	N.D.	0.01
64	Sodium peroxometaborate*		7632-04-4	231-556-4	N.D.	0.01
Twelfth batch						
65	Cadmium fluoride*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	7790-79-6	232-222-0	N.D.	0.01
66	Cadmium sulphate*		10124-36-4 31119-53-6	233-331-6	N.D.	0.01

Remarks:

- 1.If a SVHC found over 0.1%, 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.
2. According to the specified scope and analytical technique concentrations of all 66 SVHC are less than 0.1% in the submitted sample(s).
3. As specified by client, the submitted samples were mixed to test.

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Note: - N.D.=Not Detected (<report limit)

-*: Inorganic SVHC compounds are obtained by converting the test results of cobalt, chloride, sodium, arsenic, chromium, potassium, lead, boron, zirconium, titanium, 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.

Sample Description:

1	Metal mix
2.	No-metal mix

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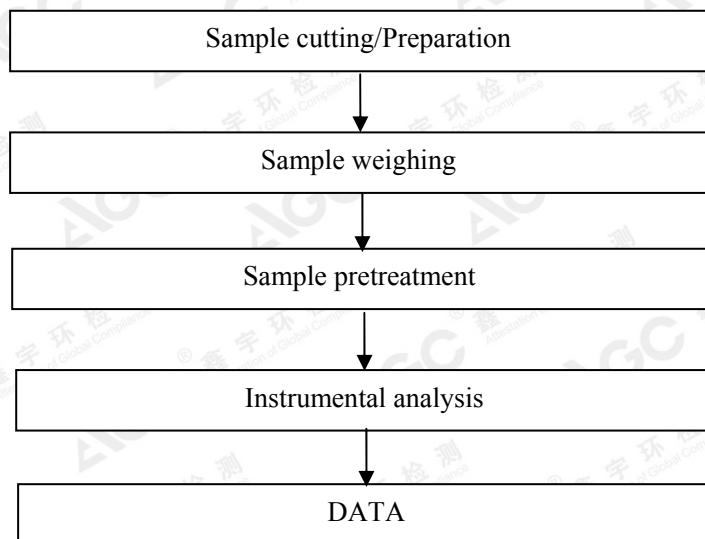
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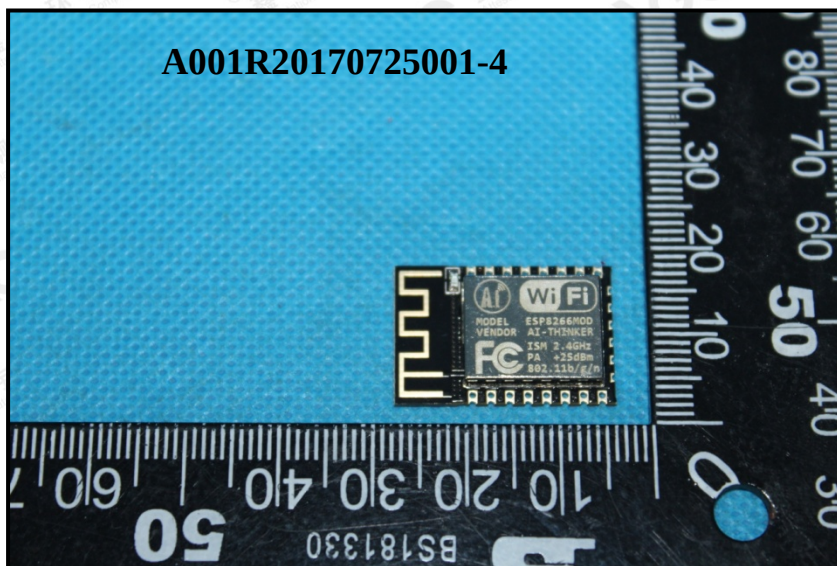
Date: Jul.31,2017

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Test Flow Chart



The photo of the sample



AGC authenticate the photo on original report only
*** End of Report***

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