

Test Report

Report No.: AGC2017102600484-2

Date: Nov.06,2017

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Applicant: Lumi United Technology Co., Ltd
Address: 8th Floor, JinQi Wisdom Valley, No.1 Tangling Road, Liuxian Ave, Taoyuan Residential District, Nanshan District, Shenzhen.

Report on the submitted samples said to be:

Sample Name : Wireless Mini Switch
Model : WXKG11LM
Brand : AQara
Manufacturer : Lumi United Technology Co., Ltd
Address : 8th Floor, JinQi Wisdom Valley, No.1 Tangling Road, Liuxian Ave, Taoyuan Residential District, Nanshan District, Shenzhen.
Sample Received Date : Oct.26,2017
Testing Period : Oct.26,2017 to Nov.06,2017

Test Requested: 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 7th July, 2017.

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

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

Conclusion:

The concentrations of tested SVHC are $\leq 0.1\%$ (W/W) in the submitted sample. Pass

Tested by: Leon

Suhongliang, Leon

Test Team Leader

Reviewed by: Jessie Liang
Liangdan, Jessie.Liang
Technical Supervisor

Approved by: Lewis
Liuhwen, Lewis
Technical Director



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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
					1	2	
First batch							
1	Anthracene	AfPS ProdSG:2014 GC-MS	120-12-7	204-371-1	N.D.	N.D.	0.01
2	4,4'-Diaminodiphenylmethane	EPA 3550C:2007& EPA 8270D:2014 GC-MS	101-77-9	202-974-4	N.D.	N.D.	0.01
3	Dibutyl phthalate (DBP)	EN 14372:2004 GC-MS	84-74-2	201-557-4	N.D.	N.D.	0.01
4	Bis(2-ethylhexyl)phthalate (DEHP)		117-81-7	204-211-0	N.D.	N.D.	0.01
5	Benzyl butyl phthalate (BBP)		85-68-7	201-622-7	N.D.	N.D.	0.01
6	Bis(tributyltin)oxide (TBTO)	ISO17353:2004(E) GC-MS	56-35-9	200-268-0	N.D.	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.	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.	N.D.	0.01
9	Alkanes, C10-13 chloro (short chain chlorinated paraffins, SCCP)		85535-84-8	287-476-5	N.D.	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.	N.D.	0.01
11	Triethyl arsenate*		15606-95-8	427-700-2	N.D.	N.D.	0.01
12	Diarsenic pentaoxide *		1303-28-2	215-116-9	N.D.	N.D.	0.01
13	Diarsenic trioxide*		1327-53-3	215-481-4	N.D.	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	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.	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.	N.D.	0.01
Second batch							
16	^① Anthracene oil	AfPS ProdSG:2014 GC-MS	90640-80-5	292-602-7	N.D.	N.D.	0.01
17	^① Anthracene oil, anthracene paste, distn. Lights		91995-17-4	295-278-5	N.D.	N.D.	0.01
18	^① Anthracene oil, anthracene paste, anthracene fraction		91995-15-2	295-275-9	N.D.	N.D.	0.01
19	^① Anthracene oil, anthracene-low		90640-82-7	292-604-8	N.D.	N.D.	0.01
20	^① Anthracene oil, anthracene paste		90640-81-6	292-603-2	N.D.	N.D.	0.01
21	Diisobutyl phthalate (DIBP)	EN 14372:2004 GC-MS	84-69-5	201-553-2	N.D.	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.	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.	N.D.	0.01
24	^② Lead chromate molybdate sulphate red (C.I. Pigment Red 104) ***		12656-85-8	235-759-9	N.D.	N.D.	0.01
25	^② Lead sulfochromate yellow (C.I. Pigment Yellow 34)		1344-37-2	215-693-7	N.D.	N.D.	0.01

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Unit: %

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					1	2	
26	^① Pitch, coal tar, high temp.	AfPS ProdSG:2014 GC-MS	65996-93-2	266-028-2	N.D.	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.	N.D.	0.01
28	Acrylamide	EPA 3550C:2007& EPA 8321B:2007 HPLC	79-06-1	201-173-7	N.D.	N.D.	0.01
Third batch							
29	Trichloroethylene	EPA 3550C:2007& EPA 8270D:2014 GC-MS	79-01-6	201-167-4	N.D.	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.	N.D.	0.01
31	Disodium tetraborate, anhydrous*		1330-43-4 12179-04-3 1303-96-4	215-540-4	N.D.	N.D.	0.01
32	Tetraboron disodium heptaoxide, hydrate*		12267-73-1	235-541-3	N.D.	N.D.	0.01
33	Sodium chromate*		7775-11-3	231-889-5	N.D.	N.D.	0.01
34	Potassium chromate*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES&UV-Vis	7789-00-6	232-140-5	N.D.	N.D.	0.01
35	Ammonium dichromate*		7789-09-5	232-143-1	N.D.	N.D.	0.01
36	Potassium dichromate*		7778-50-9	231-906-6	N.D.	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.	N.D.	0.01
38	2-Methoxyethanol	EPA 3550C:2007& EPA 8270D:2014 GC-MS	109-86-4	203-713-7	N.D.	N.D.	0.01
39	2-Ethoxyethanol		110-80-5	203-804-1	N.D.	N.D.	0.01

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					1	2	
40	Cobalt(II) diacetate*	EPA 3050B:1996& EPA 3052:1996& EPA 6010C:2007 ICP-OES	71-48-7	200-755-8	N.D.	N.D.	0.01
41	Cobalt(II) carbonate*		513-79-1	208-169-4	N.D.	N.D.	0.01
42	Cobalt(II) dinitrate*		10141-05-6	233-402-1	N.D.	N.D.	0.01
43	Cobalt(II) sulphate*		10124-43-3	233-334-2	N.D.	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.	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.	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.	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.	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.	N.D.	0.01
49	1-methyl-2-pyrrolidone		872-50-4	212-828-1	N.D.	N.D.	0.01
50	1,2,3-trichloropropane		96-18-4	202-486-1	N.D.	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.	N.D.	0.01

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Unit: %

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					1	2	
Sixth batch							
52	Dichromium tris(chromate) *	EPA 3050B:1996& EPA 3052:1996&	24613-89-6	246-356-2	N.D.	N.D.	0.01
53	Potassium hydroxyoctaoxidizincate di-chromate*	EPA 6010C:2007 ICP-OES & UV-Vis	11103-86-9	234-329-8	N.D.	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.	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.	N.D.	0.01
56	Bis(2-methoxyethyl) phthalate (DMEP)	EN 14372:2004 GC-MS	117-82-8	204-212-6	N.D.	N.D.	0.01
57	2-Methoxyaniline; o-Anisidine		90-04-0	201-963-1	N.D.	N.D.	0.01
58	4-(1,1,3,3-tetramethylbutyl) phenol, (4-tert-Octylphenol)	EPA 3550C:2007& EPA 8270D:2014 GC-MS	140-66-9	205-426-2	N.D.	N.D.	0.01
59	1,2-Dichloroethane		107-06-2	203-458-1	N.D.	N.D.	0.01
60	Bis(2-methoxyethyl) ether		111-96-6	203-924-4	N.D.	N.D.	0.01
61	Arsenic acid*	EPA 3050B:1996& EPA 3052:1996&	7778-39-4	231-901-9	N.D.	N.D.	0.01
62	Calcium arsenate*	EPA 6010C:2007 ICP-OES	7778-44-1	231-904-5	N.D.	N.D.	0.01
63	Trilead diarsenate*		3687-31-8	222-979-5	N.D.	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.	N.D.	0.01

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					1	2	
65	Phenolphthalein	EPA 3550C:2007& EPA 8321B:2007 HPLC	77-09-8	201-004-7	N.D.	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.	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.	N.D.	0.01
68	Lead styphnate*		15245-44-0	239-290-0	N.D.	N.D.	0.01
69	Lead dipicrate*		6477-64-1	229-335-2	N.D.	N.D.	0.01
70	² Aluminosilicate Refractory Ceramic Fibres (RCF)		-	-	N.D.	N.D.	0.01
71	² Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)		-	-	N.D.	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.	N.D.	0.01
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)		110-71-4	203-794-9	N.D.	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.	N.D.	0.01
75	Lead(II)bis(methanesulfon ate)*		17570-76-2	401-750-5	N.D.	N.D.	0.01
76	Formamide	EPA 3550C:2007& EPA 8270D:2014 GC-MS	75-12-7	200-842-0	N.D.	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.	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.	N.D.	0.01

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					1	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.	N.D.	0.01
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)		101-61-1	202-959-2	N.D.	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.	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.	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.	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.	N.D.	0.01

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					1	2	
Eighth batch							
85	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	IEC 62321-6:2015 GC-MS	1163-19-5	214-604-9	N.D.	N.D.	0.01
86	Pentacosafluorotridecanoic acid	EPA 3550C:2007& EPA 8321B:2007 HPLC	72629-94-8	276-745-2	N.D.	N.D.	0.01
87	Tricosafluorododecanoic acid		307-55-1	206-203-2	N.D.	N.D.	0.01
88	Henicosafleuroundecanoic acid		2058-94-8	218-165-4	N.D.	N.D.	0.01
89	Heptacosafleurotetradecanoic acid		376-06-7	206-803-4	N.D.	N.D.	0.01
90	^① 4-(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.	N.D.	0.01
91	^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.	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.	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.	N.D.	0.01

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 Add: Building 2, No. 171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

Test Report

Report No.: AGC2017102600484-2

Date: Nov.06,2017

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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	2	
94	Cyclohexane-1,2-dicarboxylic anhydride	EPA 3550C:2007&	85-42-7, 13149-00-3, 14166-21-3	201-604-9, 236-086-3, 238-009-9	N.D.	N.D.	0.01
95	Methoxy acetic acid	EPA 8270D:2014	625-45-6	210-894-6	N.D.	N.D.	0.01
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	GC-MS	84777-06-0	284-032-2	N.D.	N.D.	0.01
97	Diisopentylphthalate (DIPP)	EN 14372:2004 GC-MS	605-50-5	210-088-4	N.D.	N.D.	0.01
98	N-pentyl-isopentylphthalate		776297-69-9	-	N.D.	N.D.	0.01
99	1,2-diethoxyethane	EPA 3550C:2007&	629-14-1	211-076-1	N.D.	N.D.	0.01
100	N,N-dimethylformamide	EPA 8270D:2014 GC-MS	68-12-2	200-679-5	N.D.	N.D.	0.01
101	Dibutyltin dichloride (DBTC)	ISO 17353:2004(E) GC-MS	683-18-1	211-670-0	N.D.	N.D.	0.01
102	Acetic acid, lead salt, basic*		51404-69-4	257-175-3	N.D.	N.D.	0.01
103	Trilead bis(carbonate) dihydroxide*		1319-46-6	215-290-6	N.D.	N.D.	0.01
104	Lead oxide sulfate*		12036-76-9	234-853-7	N.D.	N.D.	0.01
105	[Phthalato(2-)]dioxotrilead *		69011-06-9	273-688-5	N.D.	N.D.	0.01
106	Dioxobis(stearato)trilead *		12578-12-0	235-702-8	N.D.	N.D.	0.01
107	Fatty acids, C16-18, lead salts*		91031-62-8	292-966-7	N.D.	N.D.	0.01
108	Lead bis(tetrafluoroborate)*	EPA 3050B:1996& EPA 3052:1996&	13814-96-5	237-486-0	N.D.	N.D.	0.01
109	Lead cyanamate*	EPA 6010C:2007 ICP-OES	20837-86-9	244-073-9	N.D.	N.D.	0.01
110	Lead dinitrate*		10099-74-8	233-245-9	N.D.	N.D.	0.01
111	Lead oxide (lead monoxide)*		1317-36-8	215-267-0	N.D.	N.D.	0.01
112	Lead tetroxide (orange lead)*		1314-41-6	215-235-6	N.D.	N.D.	0.01
113	Lead titanium trioxide*		12060-00-3	235-038-9	N.D.	N.D.	0.01
114	Lead Titanium Zirconium Oxide*		12626-81-2	235-727-4	N.D.	N.D.	0.01
115	²⁰⁷ Pentalead tetraoxide sulphate*		12065-90-6	235-067-7	N.D.	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	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.	N.D.	0.01
117	² Silicic acid, barium salt, lead-doped*		68784-75-8	272-271-5	N.D.	N.D.	0.01
118	Silicic acid, lead salt*		11120-22-2	234-363-3	N.D.	N.D.	0.01
119	Sulfurous acid, lead salt, dibasic*		62229-08-7	263-467-1	N.D.	N.D.	0.01
120	Tetraethyllead*		78-00-2	201-075-4	N.D.	N.D.	0.01
121	Tetralead trioxide sulphate*		12202-17-4	235-380-9	N.D.	N.D.	0.01
122	Trilead dioxide phosphonate*		12141-20-7	235-252-2	N.D.	N.D.	0.01
123	Furan		EPA 3550C:2007& EPA 8270D:2014 GC-MS	110-00-9	203-727-3	N.D.	N.D.
124	Methyloxirane (Propylene oxide)	EPA 3550C:2007& EPA 8270D:2014 HS-GC-MS	75-56-9	200-879-2	N.D.	N.D.	0.01
125	Diethyl sulphate	EPA 3550C:2007& EPA 8321B:2007 HPLC	64-67-5	200-589-6	N.D.	N.D.	0.01
126	Dimethyl sulphate		77-78-1	201-058-1	N.D.	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.	N.D.	0.01
128	Dinoseb		88-85-7	201-861-7	N.D.	N.D.	0.01
129	4,4'-methylenedi- <i>o</i> -toluidine		838-88-0	212-658-8	N.D.	N.D.	0.01
130	4,4'-oxydianiline and its salts		101-80-4	202-977-0	N.D.	N.D.	0.01
131	4-aminoazobenzene		60-09-3	200-453-6	N.D.	N.D.	0.01
132	4-methyl- <i>m</i> -phenylenediamine (toluene-2,4-diamine)		95-80-7	202-453-1	N.D.	N.D.	0.01
133	6-methoxy- <i>m</i> -toluidine (p-cresidine)		120-71-8	204-419-1	N.D.	N.D.	0.01
134	Biphenyl-4-ylamine		92-67-1	202-177-1	N.D.	N.D.	0.01
135	<i>o</i> -aminoazotoluene [(4- <i>o</i> -tolylazo- <i>o</i> -toluidine)]		97-56-3	202-591-2	N.D.	N.D.	0.01
136	<i>o</i> -toluidine		95-53-4	202-429-0	N.D.	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	2	
137	N-methylacetamide	EPA 3550C:2007& EPA 8270D:2014 GC-MS	79-16-3	201-182-6	N.D.	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.	N.D.	0.01
Ninth batch							
139	^① 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, which include any of the individual isomers and/or combinations thereof]	EPA 3550C:2007& EPA 8270D:2014 GC-MS	-	-	N.D.	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.	N.D.	0.01
141	Cadmium oxide*		1306-19-0	215-146-2	N.D.	N.D.	0.01
142	Ammonium pentadecafluorooctanoate (APFO)	EPA 3550C:2007& EPA 8321B:2007 HPLC	3825-26-1	223-320-4	N.D.	N.D.	0.01
143	Pentadecafluorooctanoic acid (PFOA)		335-67-1	206-397-9	N.D.	N.D.	0.01
144	Dipentyl phthalate (DPP)	EN 14372:2004 GC-MS	131-18-0	205-017-9	N.D.	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	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.	N.D.	0.01
146	Dihexyl phthalate(DnHP)	EN 14372:2004 GC-MS	84-75-3	201-559-5	N.D.	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.	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.	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.	N.D.	0.01
150	Trixylyl phosphate		25155-23-1	246-677-8	N.D.	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.	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.	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.	N.D.	0.01
154	Sodium perborate; perboric acid, sodium salt*		-	239-172-9 234-390-0	N.D.	N.D.	0.01
155	Sodium peroxometaborate*		7632-04-4	231-556-4	N.D.	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	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.	N.D.	0.01
157	2-benzotriazol-2-yl-4,6-di- tert-butylphenol (UV-320)		3846-71-7	223-346-6	N.D.	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.	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.	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.	N.D.	0.01
161	Cadmium sulphate*		10124-36-4 31119-53-6	233-331-6	N.D.	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	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 $\geq 0.3\%$ of dihexyl phthalate (EC No. 201-559-5)		68515-51-5 68648-93-1	271-094-0 272-013-1	N.D.	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]	EPA 3550C:2007& EPA 8270D:2014 GC-MS	-	-	N.D.	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	2	
Fourteenth batch							
164	1,3-propanesultone	EPA 3540C:1996, GC-FID	1120-71-4	214-317-9	N.D.	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.	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.	N.D.	0.01
167	Nitrobenzene	EPA 3540C:1996, GC-FID	98-95-3	202-716-0	N.D.	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-heptafluorooxonanoic 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.	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.	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	2	
Sixteenth batch							
170	4,4'-isopropylidenediphenol (bisphenol A)	EPA 3550C:2007& EPA 8321B:2007, HPLC	80-05-7	201-245-8	N.D.	N.D.	0.01
171	4-tert-pentylphenol (PTAP)		80-46-6	201-280-9	N.D.	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]	EPA 3550C:2007& EPA 8270D:2014 GC-MS	-	-	N.D.	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.	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.	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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Note: - N.D.=Not Detected (<report limit)

-0.1%=1000mg/kg

-*: 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 mixed
2	Nonmetal mixed

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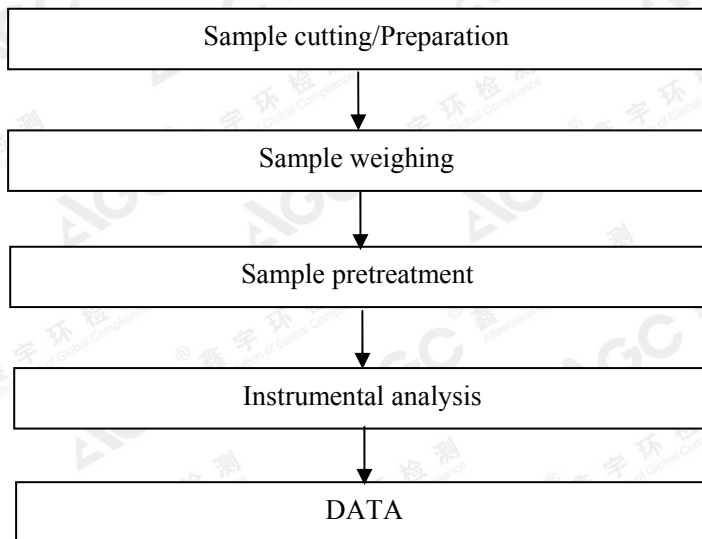
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Test Flow Chart



The photo of the sample



AGC authenticate the photo on original report only

*** End of Report***

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