

# Test Report

Report No.: A001E20161019049-1

Date: Jan.06,2017

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Applicant: Next Thing Co.

Address: /

**Report on the submitted samples said to be:**

Sample Name: CHIP PRO

Model: 100456

Manufacturers: Next Thing Co.

Country of origin : P.R.C

Sample Received Date: Oct.19,2016

Testing Period: Oct.19,2016 to Dec.03,2016

**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 20<sup>th</sup> June 2016.

**Test Method:** 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: Tony

Wutao, Tony

Test Engineer

Reviewed by: Justin.wang

Wangyi, Justin.Wang

Laboratory Supervisor

Approved by: Lewis

Liulinwen, 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
					1-1	1-2	
First batch							
1	Anthracene	AfPS GS 2014:01 PAK GC-MS	120-12-7	204-371-1	N.D.	N.D.	0.01
2	4,4'-Diaminodiphenylmet hane	EPA 3550C-2007& EPA 8270D:2007 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) *	ISO 17353-2004(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 (musk xylene)	EPA 3550C-2007& EPA 8270D-2007 GC-MS	81-15-2	201-329-4	N.D.	N.D.	0.01
8	Hexabromocyclododecan e and all major diastereoisomers identified:( $\alpha$ -HBCDD, $\beta$ -HBCDD, $\gamma$ -HBCDD) (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	Short Chain Chlorinated Paraffins,C10~C13 (SCCPs)		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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					1-1	1-2	
14	Cobalt dichloride*	EPA 3050B-1996& EPA 3052-1996& EPA 6010C-2007 &EN14582:2007 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	<sup>①</sup> Anthracene oil	AfPS GS 2014:01 PAK GC-MS	90640-80-5	292-602-7	N.D.	N.D.	0.01
17	<sup>①</sup> Anthracene oil, anthracene paste, distn. Lights****		91995-17-4	295-278-5	N.D.	N.D.	0.01
18	<sup>①</sup> Anthracene oil, anthracene paste, anthracene fraction		91995-15-2	295-275-9	N.D.	N.D.	0.01
19	<sup>①</sup> Anthracene oil, anthracene-low		90640-82-7	292-604-8	N.D.	N.D.	0.01
20	<sup>①</sup> 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	EPA 3550C-2007& EPA 8270D-2007 GC-MS	121-14-2	204-450-0	N.D.	N.D.	0.01
23	<sup>②</sup> 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	<sup>②</sup> Lead chromate molybdate sulphate red (C.I. Pigment Red 104) ***		12656-85-8	235-759-9	N.D.	N.D.	0.01
25	<sup>②</sup> Lead sulfochromate yellow(C.I. Pigment Yellow 34) ***		1344-37-2	215-693-7	N.D.	N.D.	0.01

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					1-1	1-2	
26	①Pitch, coal tar, high temperature	AfPS GS 2014:01 PAK 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-2007 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-2007 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-2007 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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					1-1	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: 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 (2-EEA)	EPA 3550C-2007& EPA 8270D-2007 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	<sup>①</sup> 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-2007 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	<sup>①</sup> 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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No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.	Result(s)		Report Limit
					1-1	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 (C.I. pigment yellow 36)***	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	EPA 3550C-2007& EPA 8270D-2007 GC-MS	90-04-0	201-963-1	N.D.	N.D.	0.01
58	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)		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& EPA 6010C-2007 ICP-OES	7778-39-4	231-901-9	N.D.	N.D.	0.01
62	Calcium arsenate*		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-2007 GC-MS	127-19-5	204-826-4	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
					1-1	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-2007 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*	EPA 3050B-1996& EPA 3052-1996& EPA 6010C-2007 ICP-OES	15245-44-0	239-290-0	N.D.	N.D.	0.01
69	Lead dipicrate*	EPA 3050B-1996& EPA 3052-1996& EPA 6010C-2007 ICP-OES	6477-64-1	229-335-2	N.D.	N.D.	0.01
70	<sup>2</sup> Aluminosilicate, Refractory Ceramic Fibres	EPA 3050B-1996& EPA 3052-1996& EPA 6010C-2007 ICP-OES	-	-	N.D.	N.D.	0.01
71	<sup>2</sup> Zirconia Aluminosilicate, Refractory Ceramic Fibres	EPA 3050B-1996& EPA 3052-1996& EPA 6010C-2007 ICP-OES	-	-	N.D.	N.D.	0.01
Seventh batch							
72	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	EPA 3550C-2007& EPA 8270D-2007 GC-MS	112-49-2	203-977-3	N.D.	N.D.	0.01
73	1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	EPA 3550C-2007& EPA 8270D-2007 GC-MS	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)*	EPA 3050B-1996& EPA 3052-1996& EPA 6010C-2007 ICP-OES	17570-76-2	401-750-5	N.D.	N.D.	0.01
76	Formamide	EPA 3550C-2007& EPA 8270D-2007 GC-MS	75-12-7	200-842-0	N.D.	N.D.	0.01
77	TGIC(1,3,5-tris (oxiranylmethyl)- 1,3,5-triazine-2,4,6 (1H,3H,5H)-trione)	EPA 3550C-2007& EPA 8321B-2007 HPLC	2451-62-9	219-514-3	N.D.	N.D.	0.01

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					1-1	1-2	
78	$\beta$ -TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	EPA 3550C-2007& EPA 8321B-2007 HPLC	59653-74-6	423-400-0	N.D.	N.D.	0.01
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	EPA 3550C-2007& EPA 8270D-2007 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. BasicViolet 3)	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]dimethylammoniumchloride (C.I. Basic Blue 26)		2580-56-5	219-943-6	N.D.	N.D.	0.01
83	$\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)		6786-83-0	229-851-8	N.D.	N.D.	0.01
84	4,4'-bis(dimethylamino)-4'-(methylamino)trityl alcohol		561-41-1	209-218-2	N.D.	N.D.	0.01
Eighth batch							
85	Bis(pentabromophenyl) ether (DecaBDE)	IEC 62321-2013 GC-MS	1163-19-5	214-604-9	N.D.	N.D.	0.01
86	Pentacosafuorotridecanoic acid	EPA 3550C-2007& EPA 8321B-2007 HPLC	72629-94-8	276-745-2	N.D.	N.D.	0.01
87	Tricosafuorododecanoic acid		307-55-1	206-203-2	N.D.	N.D.	0.01
88	Henicosafuoroundecanoic acid		2058-94-8	218-165-4	N.D.	N.D.	0.01
89	Heptacosafuorotetradecanoic acid		376-06-7	206-803-4	N.D.	N.D.	0.01

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					1-1	1-2	
90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated -covering well-defined substances and UVCB substances, polymers and homologues <sup>①</sup>		-	-	N.D.	N.D.	0.01
91	<sup>①</sup> 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	EPA 3550C-2007& EPA 8270D-2007 GC-MS	-	-	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-2007 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
94	Hexahydrophthalic anhydride - HHPA		85-42-7	201-604-9	N.D.	N.D.	0.01
95	Methoxy acetic acid		625-45-6	210-894-6	N.D.	N.D.	0.01
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear		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	EPA 3550C-2007& EPA 8270D-2007 GC-MS	776297-69-9	-	N.D.	N.D.	0.01

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					1-1	1-2	
99	1,2-Diethoxyethane	EPA 3550C-2007& EPA 8270D-2007 GC-MS	629-14-1	211-076-1	N.D.	N.D.	0.01
100	N,N-dimethylformamide; dimethyl formamide		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*	EPA 3050B-1996& EPA 3052-1996& EPA6010C-2007 ICP-OES	51404-69-4	257-175-3	N.D.	N.D.	0.01
103	Basic lead carbonate (trileadbis(carbonate) dihydroxide)*		1319-46-6	215-290-6	N.D.	N.D.	0.01
104	Lead oxide sulfate (basic lead sulfate)*		12036-76-9	234-853-7	N.D.	N.D.	0.01
105	[Phthalato(2-)]dioxotrilead d (dibasic lead phthalate)*		69011-06-9	273-688-5	N.D.	N.D.	0.01
106	Bioxobis(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)*		13814-96-5	237-486-0	N.D.	N.D.	0.01
109	Lead cyanamate*		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	<sup>2</sup> Pentalead tetraoxide sulphate*		12065-90-6	235-067-7	N.D.	N.D.	0.01
116	<sup>2</sup> Pyrochlore, antimony lead yellow C.I.*		8012-00-8	232-382-1	N.D.	N.D.	0.01
117	<sup>2</sup> 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

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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
					1-1	1-2	
119	Sulfurous acid, lead salt, dibasic*	EPA 3050B-1996& EPA 3052-1996& EPA6010C-2007 ICP-OES	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-2007 GC-MS	110-00-9	203-727-3	N.D.	N.D.	0.01
124	Propylene oxide	EPA 3550C-2007& EPA 8270D-2007 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- oxazoli dine	EPA 3550C-2007& EPA 8270D-2007 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-o- 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; 4-Phenylazoaniline		60-09-3	200-453-6	N.D.	N.D.	0.01
132	4-methyl-m- phenylenediamine (2,4-toluene-diamine)		95-80-7	202-453-1	N.D.	N.D.	0.01
133	2-Methoxy-5- methylaniline		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	o-aminoazotoluene		97-56-3	202-591-2	N.D.	N.D.	0.01
136	o-Toluidine; 2-Aminotoluene		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
					1-1	1-2	
137	N-methylacetamide	EPA 3550C-2007& EPA 8270D-2007 HPLC	79-16-3	201-182-6	N.D.	N.D.	0.01
138	1-bromo-propane	EPA 3550C-2007& EPA 8270D-2007 HS-GC-MS	106-94-5	203-445-0	N.D.	N.D.	0.01
Ninth batch							
139	Cadmium	EPA 3050B-1996& EPA 3052-1996& EPA 6010C-2007 ICP-OES	7440-43-9	231-152-8	N.D.	N.D.	0.01
140	Cadmium oxide*		1306-19-0	215-146-2	N.D.	N.D.	0.01
141	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]	EPA 3550C-2007& EPA 8270D-2007 GC-MS	-	-	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
					1-1	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	EN 14372-2004 GC-MS	84-75-3	201-559-5	N.D.	N.D.	0.01
147	<sup>2</sup> Disodium 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	N.D.	N.D.	0.01
148	<sup>2</sup> Disodium 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)	EPA 3550C-2007& EPA 8321B-2007 HPLC	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-2007 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
					1-1	1-2	
Twelfth batch							
156	2-(2H-benzotriazol-2-yl)- 4,6-ditertpentylphenol (UV-328)	EPA 3550C-2007& EPA 8321B-2007 HPLC	25973-55-1	247-384-8	N.D.	N.D.	0.01
157	2-(2'-Hydroxy-3',5'-di-tert -butylphenyl)benzotriazol e(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-2007 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 (DOTE) and 2-ethylhexyl -10-ethyl-4-[[2-(2-ethylh exyl)oxy]-2-oxoethyl]thio ]-4-octyl-7-oxo-8-oxa-3,5 -dithia-4-stannatetradecan oate(MOTE) (EC No.:248-227-6,CAS No.:27107-89-7)		-	-	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
					1-1	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 <sup>[1]</sup> 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane <sup>[2]</sup> [covering any of the individual isomers of <sup>[1]</sup> and <sup>[2]</sup> or any combination thereof]	EPA 3550C-2007& EPA 8270D-2007 GC-MS	-	-	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
					1-1	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-heptadecafluorooxanonanoic 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 GS 2014:01 PAK GC-MS	50-32-8	200-028-5	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 169 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, only test the designated sample.

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

-0.1%=1000mg/kg

-mg/kg=ppm=parts per million

-\*: 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.

## Sample Description:

1-1	Metal
1-2	Non-metal

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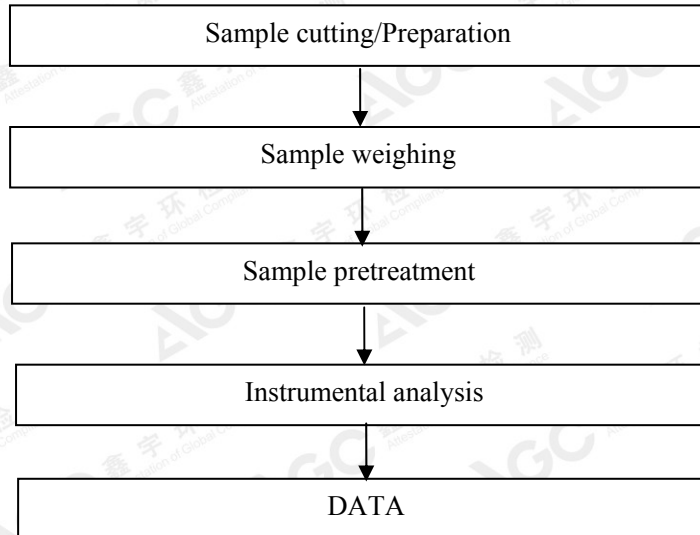
# Test Report

Report No.: A001E20161019049-1

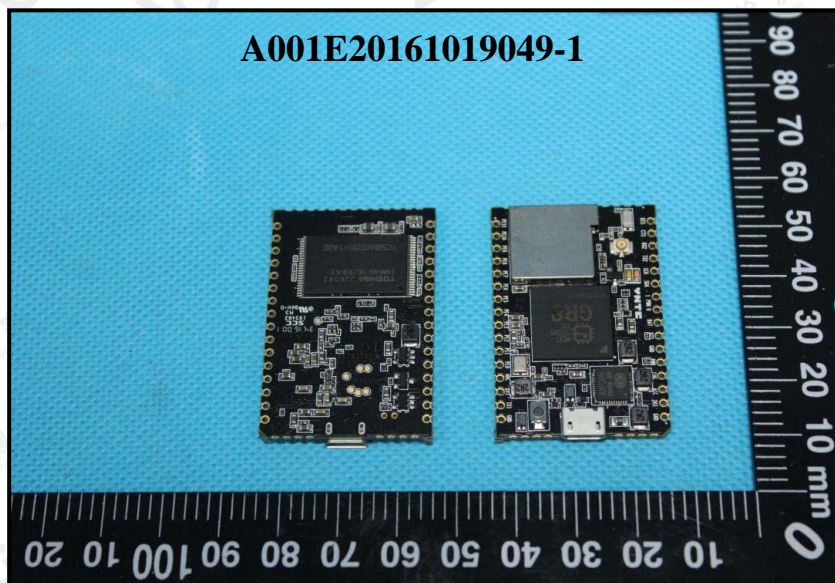
Date: Jan.06,2017

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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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