

TEST REPORT

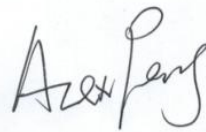
Customer information	Client	SHENZHEN HANKINGYUAN ELECTRONIC CO., LTD.
	Address	5th floor, Taibang Science and Technology Building, 4th GaoXin Road(South), Nanshan District, Shenzhen, China
Sample information	Name of sample	TRIAC, TVS, TSS, ESD, SIDAC
	Test Model No.	TO-220, TO-202, TO-126, TO-251, TO-252, TO-92, TO-247, TO-263, SOT-23, SOT-23-3L, SOT-89-3L, SOT-223, TO-P3, DFN0603-D, DFN1006, DFN2510, DO-15, DO-204AC, DO-214AA(SMB), DO-214AB(SMC), DO-214AC(SMA), DO-218AB, DO-27, DO-201, DO-41, DO-204AL, R6, P600, SOD123-FL, SOD-323, SOD-523, SOT-23-6
	Trade mark	N/A
Test information	Sample received	October 23, 2017
	Testing date	October 23, 2017 to October 31, 2017
	Test sort	Commission Test
	Requested/item	1)As specified by client, to screen the 174 substances of very high concern(SVHC) under Regulation(EC) No 1907/2006 of REACH in the submitted sample(s)
	Standard/Foundation	1)Please refer to the following page(s)
	Test Method	In-House method-GZTC CHEM-TOP-092-01, GZTC CHEM-TOP-092-02, Analyzed by ICP-OES, UV-VIS, GC-MS, HPLC-DAD/MS and Colorimetric Method.
	Conclusion	Please see the detecting data.
Remark	----	

Tested By:



Date: 2017/10/31

Checked By:



Date: 2017/10/31

Approved By:



Date: 2017/10/31

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TEST REPORT

Testing sample No.	Testing requirement	Composition
REACH-1	66 Substances of Very High Concern (SVHC)	Metal
REACH-2	174 Substances of Very High Concern (SVHC)	Non-metallic

Test result:

No.	Substance Name(s)	CAS No.	EC No.	Concentration(%)	
				REACH-1	REACH-2
1	Anthracene	120-12-7	204-371-1	N.D.	N.D.
2	4,4'- Diaminodiphenylmethane	101-77-9	202-974-4	N.D.	N.D.
3	Dibutyl phthalate(DBP)	84-74-2	201-557-4	N.D.	N.D.
4	Cobalt dichloride*	7646-79-9	231-589-4	N.D.	N.D.
5	Diarsenic pentaoxide*	1303-28-2	215-116-9	N.D.	N.D.
6	Diarsenic trioxide*	1327-53-3	215-481-4	N.D.	N.D.
7	Sodium dichromate*	7789-12-0	234-190-3	N.D.	N.D.
8	Musk xylene	81-15-2	201-329-4	N.D.	N.D.
9	Bis(2-ethyl(hexyl)phthalate)(DEHP)	117-81-7	204-211-0	N.D.	N.D.
10	Hexabromocyclododecane (HBCDD)	25637-99-4	247-148-4	N.D.	N.D.
11	Short Chain Chlorinated Paraffins(SCCPs)	85535-84-8	287-476-5	N.D.	N.D.
12	Bis(tributyltin)oxide (TBTO)*	56-35-9	200-268-0	N.D.	N.D.
13	Lead hydrogen arsenate*	7784-40-9	232-064-2	N.D.	N.D.
14	Benzyl butyl phthalate(BBP)	85-68-7	201-622-7	N.D.	N.D.
15	Triethyl arsenate*	15606-95-8	427-700-2	N.D.	N.D.
16	^① Anthracene oil	90640-80-5	292-602-7	N.D.	N.D.
17	^① Anthracene oil, anthracene paste, distn. Lights ****	91995-17-4	295-278-5	N.D.	N.D.
18	^① Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	N.D.	N.D.
19	^① Anthracene oil, anthracene-low	90640-82-7	292-604-8	N.D.	N.D.
20	^① Anthracene oil, anthracene paste	90640-81-6	292-603-2	N.D.	N.D.
21	^① Coal tar pitch, high temperature	65996-93-2	266-028-2	N.D.	N.D.
22	Acrylamide	79-06-1	201-173-7	N.D.	N.D.
23	2,4-Dinitrotoluene	121-14-2	204-450-0	N.D.	N.D.
24	Diisobutyl phthalate (DIBP)	84-69-5	201-553-2	N.D.	N.D.
25	^② Lead chromate	7758-97-6	231-846-0	N.D.	N.D.
26	^② Lead chromate molybdate sulphate red (C.I. Pigment Red 104)***	12656-85-8	235-759-9	N.D.	N.D.
27	^② Lead sulfochromate yellow (C.I. Pigment Yellow 34)***	1344-37-2	215-693-7	N.D.	N.D.
28	Tris(2-chloroethyl)phosphate (TCEP)	115-96-8	204-118-5	N.D.	N.D.
29	Trichloroethylene	79-01-6	201-167-4	N.D.	N.D.
30	^③ Boric acid	10043-35-3 11113-50-1	233-139-2 234-343-4	N.D.	N.D.
31	^③ Disodium tetraborate, anhydrous*****	1303-96-4 1330-43-4 12179-04-3	215-540-4	N.D.	N.D.
32	^③ Tetraboron disodium heptaoxide, hydrate*****	12267-73-1	235-541-3	N.D.	N.D.
33	Sodium chromate*	7775-11-3	231-889-5	N.D.	N.D.

No.	Substance Name(s)	CAS No.	EC No.	Concentration(%)	
				REACH-1	REACH-2
34	Potassium chromate*	7789-00-6	232-140-5	N.D.	N.D.
35	Ammonium dichromate*	7789-09-5	232-143-1	N.D.	N.D.
36	Potassium dichromate*	7778-50-9	231-906-6	N.D.	N.D.
37	Cobalt(II) sulphate*	10124-43-3	233-334-2	N.D.	N.D.
38	Cobalt(II) dinitrate*	10141-05-6	233-402-1	N.D.	N.D.
39	Cobalt(II) carbonate*	513-79-1	208-169-4	N.D.	N.D.
40	Cobalt(II) diacetate*	71-48-7	200-755-8	N.D.	N.D.
41	2-Methoxyethanol	109-86-4	203-713-7	N.D.	N.D.
42	2-Ethoxyethanol	110-80-5	203-804-1	N.D.	N.D.
43	Chromium trioxide*	1333-82-0	215-607-8	N.D.	N.D.
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	N.D.	N.D.
45	2-ethoxyethyl acetate	111-15-9	203-839-2	N.D.	N.D.
46	Strontium chromate*	7789-06-2	232-142-6	N.D.	N.D.
47	^① 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	271-084-6	N.D.	N.D.
48	Hydrazine	7803-57-8 302-01-2	206-114-9	N.D.	N.D.
49	1-methyl-2-pyrrolidone	872-50-4	212-828-1	N.D.	N.D.
50	1,2,3-trichloropropane	96-18-4	202-486-1	N.D.	N.D.
51	^① 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	276-158-1	N.D.	N.D.
52	Dichromium tris(chromate)*	24613-89-6	246-356-2	N.D.	N.D.
53	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	234-329-8	N.D.	N.D.
54	Pentazine chromate octahydroxide*	49663-84-5	256-418-0	N.D.	N.D.
55	^② Aluminosilicate Refractory Ceramic Fibres (RCF) **	-	-	N.D.	N.D.
56	^② Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) **	-	-	N.D.	N.D.
57	^① Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	500-036-1	N.D.	N.D.
58	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	N.D.	N.D.
59	2-Methoxyaniline (o-Anisidine)	90-04-0	201-963-1	N.D.	N.D.
60	4-(1,1,3,3-tetramethylbutyl)phenol (4-tert-Octylphenol)	140-66-9	205-426-2	N.D.	N.D.
61	1,2-Dichloroethane	107-06-2	203-458-1	N.D.	N.D.
62	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	N.D.	N.D.
63	Arsenic acid*	7778-39-4	231-901-9	N.D.	N.D.
64	Calcium arsenate*	7778-44-1	231-904-5	N.D.	N.D.
65	Trilead diarsenate*	3687-31-8	222-979-5	N.D.	N.D.
66	N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	N.D.	N.D.

No.	Substance Name(s)	CAS No.	EC No.	Concentration(%)	
				REACH-1	REACH-2
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	N.D.	N.D.
68	Phenolphthalein	77-09-8	201-004-7	N.D.	N.D.
69	Lead diazide*	13424-46-9	236-542-1	N.D.	N.D.
70	Lead 2,4,6-trinitro-m-phenylene dioxide (Lead styphnate)*	15245-44-0	239-290-0	N.D.	N.D.
71	Lead dipicrate*	6477-64-1	229-335-2	N.D.	N.D.
72	*Diboron trioxide	1303-86-2	215-125-8	N.D.	N.D.
73	Formamide	75-12-7	200-842-0	N.D.	N.D.
74	*Lead(II) bis methanesulfonate	17570-76-2	401-750-5	N.D.	N.D.
75	TGIC(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	219-514-3	N.D.	N.D.
76	β -TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	423-400-0	N.D.	N.D.
77	4,4'-bis(dimethylamino) benzophenone (Michler's ketone)	90-94-8	202-027-5	N.D.	N.D.
78	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	N.D.	N.D.
79	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride(C.I. Basic Violet 3)	548-62-9	208-953-6	N.D.	N.D.
80	[4-[[4-anilino-1-naphthyl] [4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride(C.I. Basic Blue 26)	2580-56-5	219-943-6	N.D.	N.D.
81	α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	229-851-8	N.D.	N.D.
82	4,4'-bis(dimethylamino)-4''-(methylamino) trityl alcohol	561-41-1	209-218-2	N.D.	N.D.
83	1,2-bis(2-methoxyethoxy)ethane	112-49-2	203-977-3	N.D.	N.D.
84	1,2-dimethoxyethane;ethylene glycol dimethyl ether	110-71-4	203-794-9	N.D.	N.D.
85	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	214-604-9	N.D.	N.D.
86	Pentacosafu orotridecanoic acid	72629-94-8	276-745-2	N.D.	N.D.
87	Tricosafuorododecanoic acid	307-55-1	206-203-2	N.D.	N.D.
88	Henicosafuoroundecanoic acid	2058-94-8	218-165-4	N.D.	N.D.
89	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4	N.D.	N.D.
90	4-(1,1,3,3-tetramethylbutyl) phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and Homologues	-	-	N.D.	N.D.

No.	Substance Name(s)	CAS No.	EC No.	Concentration(%)	
				REACH-1	REACH-2
91	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.
92	Diazene- 1,2- dicarboxami (C,C'-azodi(formamide))	123-77-3	204-650-8	N.D.	N.D.
93	Cyclohexan e-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	85-42-7, 13149-00-3, 14166-21-3	201-604-9, 236-086-3, 238-009-9	N.D.	N.D.
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	N.D.	N.D.
95	Methoxy acetic acid	625-45-6	210-894-6	N.D.	N.D.
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	N.D.	N.D.
97	Diisopentylphthalate (DIPP)	605-50-5	210-088-4	N.D.	N.D.
98	N-pentyl-isopentylphthalate	776297-69-9	-	N.D.	N.D.
99	1,2-Diethoxyethane	629-14-1	211-076-1	N.D.	N.D.
100	N,N-dimethylformamide; dimethyl formamide	68-12-2	200-679-5	N.D.	N.D.
101	Dibutyltin dichloride (DBT)	683-18-1	211-670-0	N.D.	N.D.
102	Acetic acid, lead salt, basic	51404-69-4	257-175-3	N.D.	N.D.
103	Basic lead carbonate (trilead bis(carbonate)dihydroxide)	1319-46-6	215-290-6	N.D.	N.D.
104	Lead oxide sulfate (basic lead sulfate)	12036-76-9	234-853-7	N.D.	N.D.
105	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)	69011-06-9	273-688-5	N.D.	N.D.
106	Dioxobis(stearato)trilead	12578-12-0	235-702-8	N.D.	N.D.
107	Fatty acids, C16-18, lead salts	91031-62-8	292-966-7	N.D.	N.D.
108	Lead bis(tetrafluoroborate)	13814-96-5	237-486-0	N.D.	N.D.
109	Lead cyanamide	20837-86-9	244-073-9	N.D.	N.D.
110	Lead dinitrate	10099-74-8	233-245-9	N.D.	N.D.
111	Lead oxide (lead monoxide)	1317-36-8	215-267-0	N.D.	N.D.
112	Lead tetroxide (orange lead)	1314-41-6	215-235-6	N.D.	N.D.
113	Lead titanium trioxide	12060-00-3	235-038-9	N.D.	N.D.
114	Lead Titanium Zirconium Oxide	12626-81-2	235-727-4	N.D.	N.D.
115	Pentalead tetraoxide sulphate	12065-90-6	235-067-7	N.D.	N.D.
116	Pyrochlore, antimony lead yellow	8012-00-8	232-382-1	N.D.	N.D.
117	Silicic acid, barium salt, lead-doped	68784-75-8	272-271-5	N.D.	N.D.

No.	Substance Name(s)	CAS No.	EC No.	Concentration(%)	
				REACH-1	REACH-2
118	Silicic acid, lead salt	11120-22-2	234-363-3	N.D.	N.D.
119	Sulfurous acid, lead salt, dibasic	62229-08-7	263-467-1	N.D.	N.D.
120	Tetraethyllead	78-00-2	201-075-4	N.D.	N.D.
121	Tetralead trioxide sulphate	12202-17-4	235-380-9	N.D.	N.D.
122	Trilead dioxo diphosphonate	12141-20-7	235-252-2	N.D.	N.D.
123	Furan	110-00-9	203-727-3	N.D.	N.D.
124	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	200-879-2	N.D.	N.D.
125	Diethyl sulphate	64-67-5	200-589-6	N.D.	N.D.
126	Dimethyl sulphate	77-78-1	201-058-1	N.D.	N.D.
127	3-ethyl-2-methyl-2-(3-methylbutyl)- 1,3-oxazolidine	143860-04-2	421-150-7	N.D.	N.D.
128	Dinoseb	88-85-7	201-861-7	N.D.	N.D.
129	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	N.D.	N.D.
130	4,4'-oxydianiline and its salts	101-80-4	202-977-0	N.D.	N.D.
131	4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3	200-453-6	N.D.	N.D.
132	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	202-453-1	N.D.	N.D.
133	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	N.D.	N.D.
134	Biphenyl-4-ylamine	92-67-1	202-177-1	N.D.	N.D.
135	o-amino azotoluene	97-56-3	202-591-2	N.D.	N.D.
136	o-Toluidine; 2-Aminotoluene	95-53-4	202-429-0	N.D.	N.D.
137	N-methylacetamide	79-16-3	201-182-6	N.D.	N.D.
138	1-bromo-2-propanone; n-propyl bromide	106-94-5	203-445-0	N.D.	N.D.
139	Cadmium	7440-43-9	231-152-8	N.D.	N.D.
140	Cadmium oxide	3825-26-1	223-320-4	N.D.	N.D.
141	Dipentyl phthalate(DPP)	335-67-1	206-397-9	N.D.	N.D.
142	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]	131-18-0	205-017-9	N.D.	N.D.
143	Ammonium pentadecafluorooctanoate (APFO)	1306-19-0	215-146-2	N.D.	N.D.
144	Pentadecafluorooctanoic acid (PFOA)	-	-	N.D.	N.D.
145	Cadmium sulphide	1306-23-6	215-147-8	N.D.	N.D.
146	Dihexyl phthalate	84-75-3	201-559-5	N.D.	N.D.
147	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.

No.	Substance Name(s)	CAS No.	EC No.	Concentration(%)	
				REACH-1	REACH-2
148	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)	1937-37-7	217-710-3	N.D.	N.D.
149	Imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7	202-506-9	N.D.	N.D.
150	Lead di(acetate)	301-04-2	206-104-4	N.D.	N.D.
151	Trixylyl phosphate	25155-23-1	246-677-8	N.D.	N.D.
152	Cadmium chloride	10108-64-2	233-296-7	N.D.	N.D.
153	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	N.D.	N.D.
154	Sodium peroxometaborate	7632-04-4	231-556-4	N.D.	N.D.
155	Sodium perborate; perboric acid, sodium salt	-	239-172-9 234-390-0	N.D.	N.D.
156	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6	N.D.	N.D.
157	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	239-622-4	N.D.	N.D.
158	reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	-	-	N.D.	N.D.
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	N.D.	N.D.
160	Cadmium fluoride	7790-79-6	232-222-0	N.D.	N.D.
161	Cadmium sulphate	10124-36-4, 31119-53-6	233-331-6	N.D.	N.D.
162	1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixeddecyl and hexyl and octyl diesters with 0.3% of dihexyl phthalate (EC No. 201-559-5)	68515-51-5 68648-93-1	271-094-0 272-013-1	N.D.	N.D.
163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]	-	-	N.D.	N.D.
164	1,3-propanesultone	1120-71-4	214-317-9	N.D.	N.D.
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8	N.D.	N.D.
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.

No.	Substance Name(s)	CAS No.	EC No.	Concentration(%)	
				REACH-1	REACH-2
167	Nitrobenzene	98-95-3	202-716-0	N.D.	N.D.
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	N.D.	N.D.
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	200-028-5	N.D.	N.D.
170	p-(1,1-dimethylpropyl)phenol	80-46-6	201-280-9	N.D.	N.D.
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts Nonadecafluorodecanoic acid Ammonium nonadecafluorodecanoate Decanoic acid, nonadecafluoro-, sodium salt	-	-	N.D.	N.D.
172	4-Heptylphenol, branched and linear	-	-	N.D.	N.D.
173	4,4'-isopropylidenediphenol	80-05-7	201-245-8	N.D.	N.D.
174	Perfluorohexane-1-sulphonic acid and its salts	355-46-4	206-587-1	N.D.	N.D.

Note:

- N.D. = Not Detected (<report limit)
- w/w = weight by weight; 0.1% = 1000 mg/kg =1000 ppm
- PBT= Persistent,Bioaccumulative, Toxic; vPvB=very Persistent very Bioaccumulative
- ▲= An equivalent level of concern as exerted by CMR or, PBT/vPvB substances.
- *: Concentration value of Cobalt dichloride; Diarsenic pentaoxide; Diarsenic trioxide; Sodium dichromate; Lead hydrogen arsenate; Triethyl arsenate; Strontium chromate; Sodium chromate; Potassium chromate; Ammonium dichromate; Potassium dichromate; Cobalt(II) sulphate; Cobalt(II) dinitrate; Cobalt(II) carbonate; Cobalt(II) diacetate; Chromium trioxide; Chromic acid, Dichromic acid, and Oligomers of chromic acid and dichromic acid; Dichromium tris(chromate); Potassium hydroxyoctaoxidizincatedichromate; Pentazinc chromate octahydroxide; Calcium arsenate; Trilead diarsenate; Arsenic acid; Lead diazide; Lead 2,4,6-trinitro-m-phenylene dioxide (Lead styphnate); Lead dipicrate; Diboron trioxide; Lead(II) bismethanesulfonate by the conversion from the test results of certain elements.
Concentration value of Bis(tributyltin)oxide by the conversion from the test results of Tributyl Tins.
- ** 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
- *****: Concentration value of Disodium tetraborate, anhydrous and Tetraboron disodium heptaoxide, hydrate is evaluated by Disodium tetraborate, with no consider of the hydrate.
- 10-^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.
- 11-^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

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compounds are calculated based on the result of specified heavy metal elements.

12-[®]: Concentration value of Boric acid; Disodium tetraborate, anhydrous; Tetraboron disodium heptaoxide, hydrate are calculated by the conversion from the test results of certain elements and confirmed by appropriate solvent extraction, meanwhile the book of materials is suggested to be checked for further confirmation.

13-[®]: The substance does only fulfil the criteria of REACH Art. 57 (a) if it contains Michler's ketone (EC Number: 202-027-5) or Michler's base (EC Number: 202-959-2) in a concentration $\geq 0.1\%$ (weight / weight).

14-[#]: Converted concentration of substance equal to or higher than report limit, the presence of the substance in the sample need further to be confirmed by checking MSDS or requesting from suppliers.

Appendix:

1. Any supplier of an article containing a substance that is included in the Candidate List in a concentration above 0,1 % weight by weight (w/w) has the duty to communicate information in accordance with Article 33 of European Union regulation concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

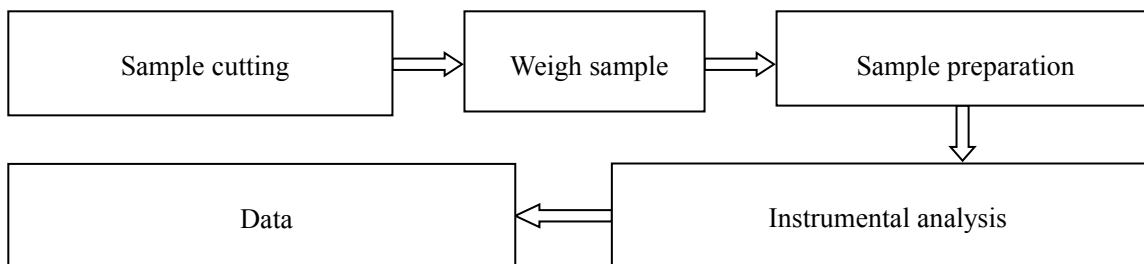
- 1) Any supplier shall provide the recipient of the article with sufficient information to allow safe use of the article including, as a minimum, the name of that substance.
- 2) On request by a consumer any supplier shall provide the consumer with sufficient information to allow safe use of the article including, as a minimum, the name of that substance within 45 days of receipt of the request, free of charge.

2. The supplier of a substance that is included in the Candidate List on their own shall provide the recipient of the substance with a safety data sheet for free compiled in accordance with Article 3 and Annex II of REACH.

3. The supplier of a mixture that containing a substance that is included in the Candidate List shall exchange information in accordance with Article 31, Article 32, and Annex II of REACH.

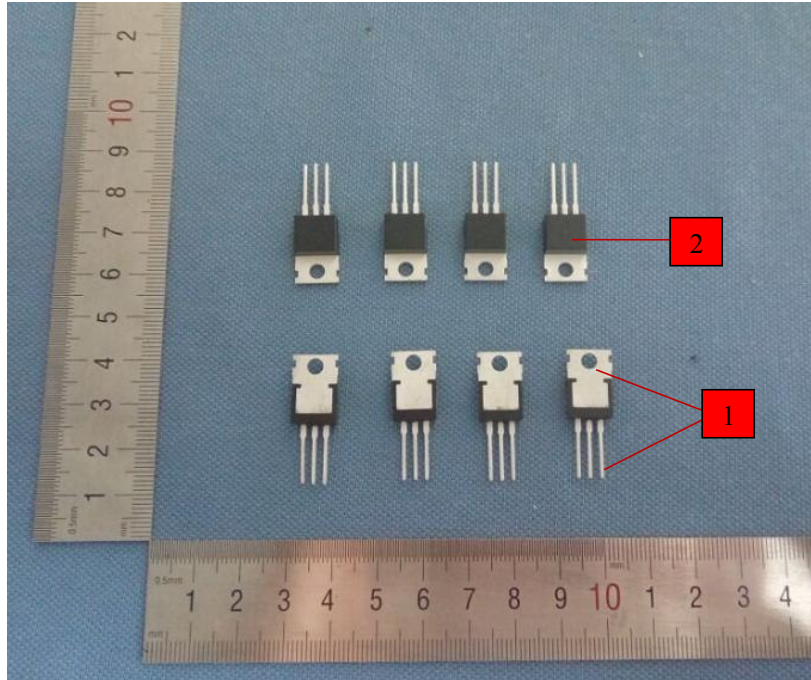
- 1) Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation meets the criteria for classification as dangerous in accordance with Directives 1999/45/EC.
- 2) Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation does not meet the criteria for classification as dangerous in accordance with Directive 1999/45/EC, but contains any substance that is included in the Candidate List in an individual concentration of $\geq 0.1\%$ by weight for non-gaseous mixtures or $\geq 0.2\%$ by volume for gaseous mixtures.

Test Process:



PHOTOS OF TEST SAMPLES:

Appearance photograph of EUT



***** END OF REPORT *****