TEST REPORT

Reference No. : TRGZ1302010 Date : Feb. 05, 2013 Page No. : 1 of 6

Client :	3F ELECTRONICS INDUSTRY CORP. LTD
Address :	NO. 5, ZHENXING RD, LIYUHE INDUSTRY PARK, LOU VILLAGE,GONGMING STREET, BAOAN DISTRICT, SHENZHEN

The following merchandise was (were) submitted and identified by the client as:

Name of Product :	PVC wire and cable
Test Model :	/
Main Material:	PVC
Client Reference Information :	Please refer to next page 6
Sample Received :	Jan. 28, 2013
Test Period :	Jan. 28, 2013 - Feb. 05, 2013
Test Request :	As requested by the client, according to European Commission Regulation 1907/2006 (REACH Act), to test the new SVHC content (54 types) which have been listed in ECHA's SVHC candidate list on 19 Dec. 2012.
Test Method :	In-house method with reference to EPA: 8270D, 3052, 6010C, 3550C and EN14362, DIN EN ISO 17353, IEC 62321, ZEK01.4-08, EN 14582.
Test Result :	Please refer to next page(s).
Conclusion :	According to the analyzed result on submitted samples, the contents of mentioned test items **are less than** 0.1%.

Issued by:

Green Product Service Center(GZ) TÜV NORD CO.,LTD. TÜV NORD (HANGZHOU)

TÜV NORD Green Product Service Centre
Technical Manager

TEST RESULTS:

Seq.	Test Item(s)	EC. No.	CAS No.	MDL (%)	Test Results (%)
1	Bis(pentabromophenyl) ether (DecaBDE)	214-604-9	1163-19-5	0.01	N.D.
2	Pentacosafluorotridecanoic acid	276-745-2	72629-94-8	0.01	N.D.
3	Tricosafluorododecanoic acids	206-203-2	307-55-1	0.01	N.D.
4	Henicosafluoroundecanoic acid	218-165-4	2058-94-8	0.01	N.D.
5	Heptacosafluorotetradecanoic acid	206-803-4	376-06-7	0.01	N.D.
6	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated -covering well-defined substances and UVCB substances, polymers and homologues	---	---	0.01	N.D.
7	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	---	---	0.01	N.D.
8	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	204-650-8	123-77-3	0.01	N.D.
9	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	201-604-9	85-42-7	0.01	N.D.
10	Hexahydromethylphathalic anhydride,Hexahydro-4-methylphathalic anhydride,Hexahydro-1-methylphathalic anhydride,Hexahydro-3-methylphathalic anhydride	247-094-1, 243-072-0, 256-356-4, 260-566-1	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	0.01	N.D.
11	Methoxy acetic acid	210-894-6	625-45-6	0.01	N.D.
12	1,2-Benzenedicarboxylic acid, dipentylester,branched and linear	284-032-2	84777-06-0	0.01	N.D.
13	Diisopentylphthalate (DIPP)	210-088-4	605-50-5	0.01	N.D.
14	N-pentyl-isopentylphtalate	---	---	0.01	N.D.
15	1,2-Diethoxyethane	211-076-1	629-14-1	0.01	N.D.

Seq.	Test Item(s)	EC. No.	CAS No.	MDL (%)	Test Results (%)
16	N,N-dimethylformamide; dimethyl formamide	200-679-5	68-12-2	0.01	N.D.
17	Dibutyltin dichloride (DBT)	211-670-0	683-18-1	0.01	N.D.
18	Acetic acid, lead salt, basic*	257-175-3	51404-69-4	0.01	N.D.
19	Basic lead carbonate (trilead bis(carbonate)dihydroxide)*	215-290-6	1319-46-6	0.01	N.D.
20	Lead oxide sulfate (basic lead sulfate)*	234-853-7	12036-76-9	0.01	N.D.
21	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)*	273-688-5	69011-06-9	0.01	N.D.
22	Dioxobis(stearato)trilead*	235-702-8	12578-12-0	0.01	N.D.
23	Fatty acids, C16-18, lead salts*	292-966-7	91031-62-8	0.01	N.D.
24	Lead bis(tetrafluoroborate)*	237-486-0	13814-96-5	0.01	N.D.
25	Lead cynamidate*	244-073-9	20837-86-9	0.01	N.D.
26	Lead dinitrate*	233-245-9	10099-74-8	0.01	N.D.
27	Lead oxide (lead monoxide)*	215-267-0	1317-36-8	0.01	N.D.
28	Lead tetroxide (orange lead)*	215-235-6	1314-41-6	0.01	N.D.
29	Lead titanium trioxide*	235-038-9	12060-00-3	0.01	N.D.
30	Lead Titanium Zirconium Oxide*	235-727-4	12626-81-2	0.01	N.D.
31	Pentalead tetraoxide sulphate*	235-067-7	12065-90-6	0.01	N.D.
32	Pyrochlore, antimony lead yellow	232-382-1	8012-00-8	0.01	N.D.
33	Silicic acid, barium salt, lead-doped*	272-271-5	68784-75-8	0.01	N.D.
34	Silicic acid, lead salt*	234-363-3	11120-22-2	0.01	N.D.
35	Sulfurous acid, lead salt, dibasic*	263-467-1	62229-08-7	0.01	N.D.
36	Tetraethyllead*	201-075-4	78-00-2	0.01	N.D.
37	Tetralead trioxide sulphate*	235-380-9	12202-17-4	0.01	N.D.
38	Trilead dioxide phosphonate*	235-252-2	12141-20-7	0.01	N.D.
39	Furan	203-727-3	110-00-9	0.01	N.D.
40	Propylene oxide; 1,2-epoxypropane; methyloxirane	200-879-2	75-56-9	0.01	N.D.

Seq.	Test Item(s)	EC. No.	CAS No.	MDL (%)	Test Results (%)
41	Diethyl sulphate	200-589-6	64-67-5	0.01	N.D.
42	Dimethyl sulphate	201-058-1	77-78-1	0.01	N.D.
43	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	0.01	N.D.
44	Dinoseb	201-861-7	88-85-7	0.01	N.D.
45	4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	0.01	N.D.
46	4,4'-oxydianiline and its salts	202-977-0	101-80-4	0.01	N.D.
47	4-Aminoazobenzene	200-453-6	60-09-3	0.01	N.D.
48	4-methyl-m-phenylenediamine (toluene -2,4 -diamine)	202-453-1	95-80-7	0.01	N.D.
49	6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	0.01	N.D.
50	Biphenyl-4-ylamine	202-177-1	92-67-1	0.01	N.D.
51	O-aminoazotoluene	202-591-2	97-56-3	0.01	N.D.
52	O-Toluidine	202-429-0	95-53-4	0.01	N.D.
53	N-methylacetamide	201-182-6	79-16-3	0.01	N.D.
54	1-bromopropane(n-propyl bromide)	203-445-0	106-94-5	0.01	N.D.

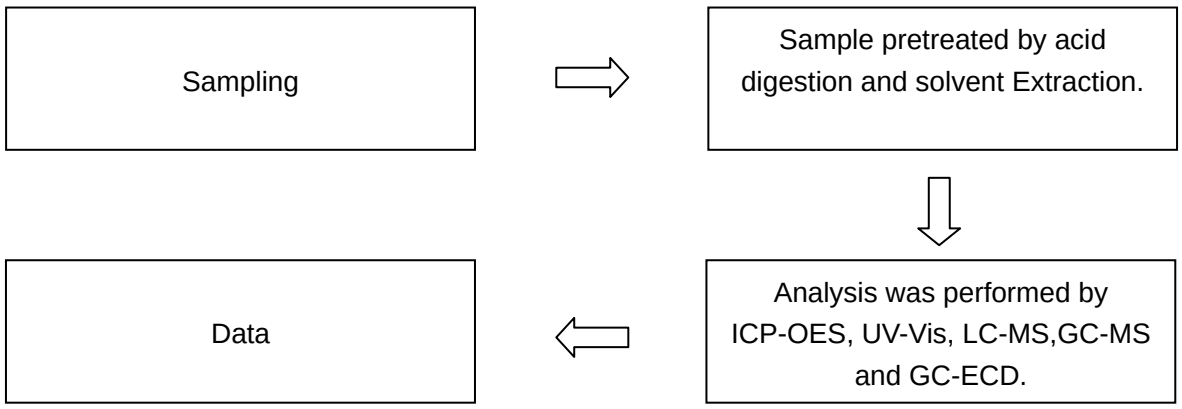
******** To be continued ********

Remark 1 **1)** In accordance with Regulation(EC) No. 1907/2006, any producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1), if both the following conditions are met:
(a) the substance is present in those articles in quantities totalling over 1 tonne per producer or importer per year;
(b) the substance is present in those articles above a concentration of 0,1 % weight by weight (w/w).
2) From 28 October 2008, EU & EEA suppliers of articles which contain substances on the Candidate List in a concentration above 0.1% (w/w) must provide sufficient information, available to them, to their customers and on request to a consumer within 45 days of the receipt of this request. This information must ensure safe use of the article and, as a minimum, include the name of the substance.

Remark 2 **1)*** Calculated concentration of Acetic acid, lead salt, basic, Basic lead carbonate (trilead bis(carbonate)dihydroxide), Lead oxide sulfate (basic lead sulfate), [Phthalato(2-)]dioxotrilead (dibasic lead phthalate), Dioxobis(stearato)trilead, Fatty acids, C16-18, lead salts, Lead bis(tetrafluoroborate), Lead cynamidate, Lead dinitrate, Lead oxide (lead monoxide), Lead tetroxide (orange lead), Lead titanium trioxide, Lead Titanium Zirconium Oxide , Pentalead tetraoxide sulphate , Silicic acid, barium salt, lead-doped , Sulfurous acid, lead salt, dibasic, Tetraethyllead, Tetralead trioxide sulphate, Trilead dioxide phosphonate are based on the identified heavy metal result. The identities of above metal substances present in the article have to be further confirmed;
5) N.D. = Not detected, less than MDL.

Test Part Description: White wire jacket

FLOW CHART



********** To be continued **********

SAMPLE PHOTO

The following information was submitted and identified by the client, only for reference.

UL1007, 1010, 1013, 1015, 1017, 1020, 1021, 1022, H05V-K, QVR1023, 1024, 1026, 10269, 1027, 1028, 1040, 1041, 1043, 1054, 1055, 1056, 1061, 1095, 1207, 1211, 1220, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1265, 1266, 1283, 1284, 1308, 1314, 1316, 1569, 1571, 1617, 1618, 1672, 10024, 10053, 10070, 10076, 10198, 2038, 2095, 2096, 2101, 2102, 2103, 2127, 2129, 2165, 2343, 20478, 2344, 2345, 2346, 2384, 2385, 2386, 2387, 2388, 2448, 2463, 20295, 2464, 2468, 2490, 2493, 2501, 2502, 2516, 2517, 2532, 2550, 20294, 2560, 2569, 2570, 2571, 2574, 2576, 2584, 2586, 2587, 2589, 20293, 2598, 2614, 2626, 2630, 2631, 2637, 2651, 2653, 2654, 2655, QVR, 2656, 2660, 2661, 2662, 2668, 2679, 2704, 2709, 2722, 2726, QFR, 2733, 2754, 2919, 2990, 20276, QB-A QB-B, 20480, 20482, 21014, 3476, 60227IEC08(RV-90), 60227IEC52(RVV), AVR, 60227IEC53(RVV), VDEWIRE, HDT, FLRY, STT, GPT, TWP, FLRYW-B, SGT, AV, AVS, AVSS, AVF, GB.AV.300/300V, B.RVS.300/300V, TVSSX, 1429, 1430, 1431, 3454, 3558, 3314, 3315, 3453, 3611, 3443, 5107, AVX, MTW, 16878/1C, 16878/2C, 16878/3C, 16878/17B, H07V-K, and PVC TUBE

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