

TEST REPORT

Reference No. : TRGZ1303065_R1

Date : Mar. 13, 2013

Page No. : 1 of 4

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 : /
Client Reference Information : Please refer to page 4.
Main Material: PVC
Sample Received : Feb. 25, 2013
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Test Request : To determine the Polycyclic Aromatic Hydrocarbons (PAHs) contents of the submitted samples.
Test Method : With reference to ZEK Document 01.4-08, Analysis was performed by GC-MS.
Test Result : Please refer to next page(s).

THIS REPORT IS TO SUPERSEDE TEST REPORT TRGZ1303065

Issued by:




**TÜV NORD Green Product Service Centre
Technical Manager**

TEST REPORT

Reference No. : TRGZ1303065_R1

Date : Mar. 13, 2013

Page No. : 2 of 4

TEST RESULTS:

Test Items	Unit	MDL	Test Results [▲]
Naphthalene	mg/kg	0.2	N.D.
Acenaphthylene		0.2	N.D.
Acenaphthene		0.2	N.D.
Fluorene		0.2	3.0
Phenanthrene		0.2	2.5
Anthracene		0.2	0.7
Fluoranthene		0.2	N.D.
Pyrene		0.2	N.D.
Benzo[a]anthracene		0.2	N.D.
Chrysene		0.2	N.D.
Benzo[b]fluoranthene		0.2	N.D.
Benzo[k]fluoranthene		0.2	N.D.
Benzo[a]pyrene		0.2	N.D.
Indeno[1,2,3-cd]pyrene		0.2	N.D.
Dibenzo[a,h]anthracene		0.2	N.D.
Benzo[g,h,i]perylene		0.2	N.D.
Benzo[j]fluoranthene		0.2	N.D.
Benzo[e]pyrene		0.2	N.D.
Sum of 18 PAHs		---	6.2

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



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TEST REPORT

Reference No. : TRGZ1303065_R1

Date : Mar. 13, 2013

Page No. : 3 of 4

LIMITS FOR PAH IN PRODUCTS:

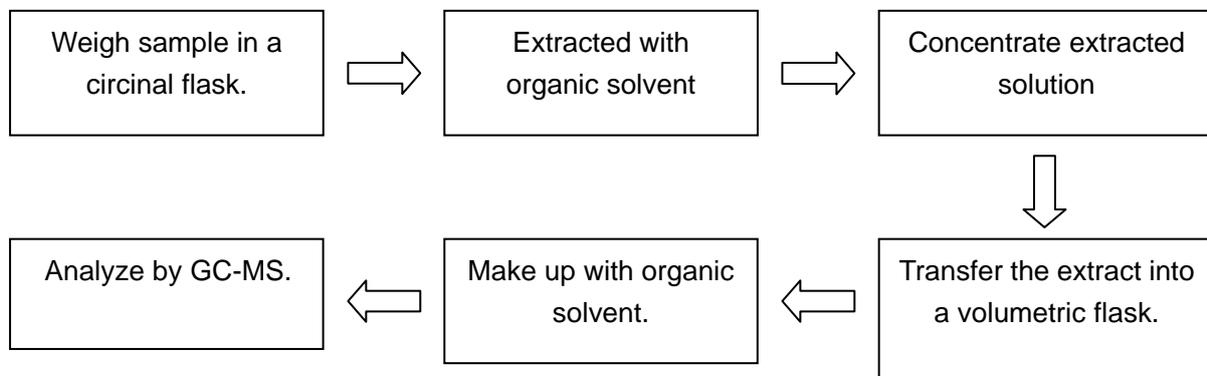
Parameter	Category 1	Category2	Category 3
	Material in contact with foodstuff, or materials indented to be put in the mouth and toys for children aged < 36 months	Materials with foreseeable contact to skin for longer than 30 seconds (long-term skin contact) and toys not covered by category 1	Materials with foreseeable contact to skin up to 30 seconds (short term skin contact) or without skin contact.
Benzo[a]pyrene (mg/kg)	Not detectable (< 0.2)*	1	20
Sum of 18 PAH(mg/kg)	Not detectable (< 0.2)*	10	200

Remark : * If the limits of category 1 are surpassed but the limits of category 2 still met, the confirmation of suitability of contact with foodstuff or the oral mucosa can be verified by an additional specific migration test of the PAH components according to EN 1186 ff. and § 64 LFGB 80.30-1. The results of the migration test shall be evaluated according to law criteria for foodstuff.

- Note :**
- 1) MDL = Method Detection Limit;
 - 2) N.D. = Not detected, less than MDL;
 - 3) “---” = Not Regulated;
 - 4) ▲As the client required, the sample was tested in mixture.

Test part description: Colorized wire jacket

FLOW CHART



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

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Reference No. : TRGZ1303065_R1

Date : Mar. 13, 2013

Page No. : 4 of 4

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, GB.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 *******