

Test Report

No.: CANEC24025204427

Date: Nov 26, 2024

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Client Name: 3F ELECTRONICS INDUSTRY CORP., LTD .

Client Address: NO.5, ZHENXING ROAD, LIYUHE INDUSTRY PARK, LOUCUN VILLAGE, GONGMING STREET, GUANGMING NEW DISTRICT, SHENZHEN , GUANGDONG , CHINA

Sample Name: PVC wire and cable

Model No.: UL1569 22AWG black FLRY-A 0.5mm² white UL1015 22AWG red

Client Ref. Information: See attached pages

The above sample(s) and information were provided by the client.

SGS Job No.: SZP24-049571

Sample Receiving Date: Nov 12, 2024

Testing Period: Nov 12, 2024 ~ Nov 18, 2024

Test Requested: Select test(s) as requested by the client.

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

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

Test Requirement	Conclusion
AfPS GS 2019:01 PAK-Polycyclic Aromatic Hydrocarbons (PAHs)	See Results

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Dongyu Xie

Dongyu Xie
Approved Signatory

scan to see the report



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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1+A2+A3	CAN24-0252044-0002	Black plastic jacket + White plastic jacket + Red plastic jacket

Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) “-” = Not Regulated

AfPS GS 2019:01 PAK-Polycyclic Aromatic Hydrocarbons (PAHs)

Test Method: With reference to AfPS GS 2019:01 PAK, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1+A2+A3
Benzo(a)pyrene(BaP)	50-32-8	mg/kg	0.1	ND
Benzo(e)pyrene(BeP)	192-97-2	mg/kg	0.1	ND
Benzo(a)anthracene(BaA)	56-55-3	mg/kg	0.1	ND
Benzo(b)Fluoranthene(BbF)	205-99-2	mg/kg	0.1	ND
Benzo(j)fluoranthene(BjF)	205-82-3	mg/kg	0.1	ND
Benzo(k)Fluoranthene(BkF)	207-08-9	mg/kg	0.1	ND
Chrysene(CHR)	218-01-9	mg/kg	0.1	ND
Dibenzo(a,h)Anthracene(DBA)	53-70-3	mg/kg	0.1	ND
Benzo(g,h,i)perylene(BPE)	191-24-2	mg/kg	0.1	ND
Indeno(1,2,3-c,d)pyrene(IPY)	193-39-5	mg/kg	0.1	ND
Phenanthrene(PHE)	85-01-8	mg/kg	0.1	ND
Pyrene(PYR)	129-00-0	mg/kg	0.1	ND
Anthracene(ANT)	120-12-7	mg/kg	0.1	ND
Fluoranthene(FLT)	206-44-0	mg/kg	0.1	ND
Sum of Phenanthrene(PHE), Pyrene(PYR), Anthracene(ANT), Fluoranthene(FLT)	-	mg/kg	-	ND
Naphthalene(NAP)	91-20-3	mg/kg	0.1	0.2
Sum of 15 PAHs	-	mg/kg	-	0.2
Material Category	-	-	-	-

Notes:

AfPS (German commission for Product Safety) : PAHs requirements

Parameter	Category 1	Category 2	Category 3
	Materials intended to be placed in the mouth, or materials coming into long-term contact with skin	Materials not covered by category 1, coming into long-term contact (more than 30s) or short-term repetitive contact ^c with skin during the intended or foreseeable use ^d .	Materials covered neither by category 1 nor by category 2, coming into short-term contact (up to 30s) with skin during the intended or foreseeable use.



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	(more than 30s) during the intended use -in toys according to Directive 2009/48/EC or -for the use by children ^{a,b} up to 3 years of age.	a. use by children	b. other consumer products	a. use by children	b. other consumer products
Benzo(a)pyrene (BaP) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(e)pyrene (BeP) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(a)anthracene (BaA) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(b)fluoranthene (BbF) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(j)fluoranthene (BjF) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(k)fluoranthene (BkF)mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Chrysene (CHR) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Dibenzo(a,h)anthracene (DBA) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(g,h,i)perylene (BPE) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Indeno(1,2,3-cd)pyrene (IPY) mg/kg	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Phenanthrene (PHE), pyrene (PYR), anthracene (ANT), fluoranthene (FLT), mg/kg	< 1 Sum	< 5 Sum	< 10 Sum	< 20 Sum	< 50 Sum
Naphthalene (NAP) mg/kg	< 1	< 2		< 10	
Sum of 15 PAHs	<1	< 5	< 10	< 20	< 50

Notes:

- ^a A "Child" is legally defined as a person before reaching the age of 14 years.
- ^b Use by children includes both active and passive contact by children.
- ^c Definition "short-term repetitive contact" taken from REACH Annex XVII entry 50 amendment (Regulation



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(EC) No.1272/2013)

^d According to the definition of the German Product Safety Act (ProdSG) (chapter 1 Article 2 No. 28) "foreseeable use" shall mean the use of a product in a manner that the person placing it on the market, has not intended, but which could be reasonably foreseeable.

Remark:

The German committee on Product Safety (AfPS) published a new PAHs document (AfPS GS 2019:01 PAK) on April 10, 2020, which will be binding for the issue of GS mark certificate from July 1, 2020.

Remark: The sample(s) was/were analyzed on behalf of the applicant as mixing sample in one testing. The above result(s) was/were only given as the informality value and only for reference.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ($w=0$) stated in ILAC-G8:09/2019.



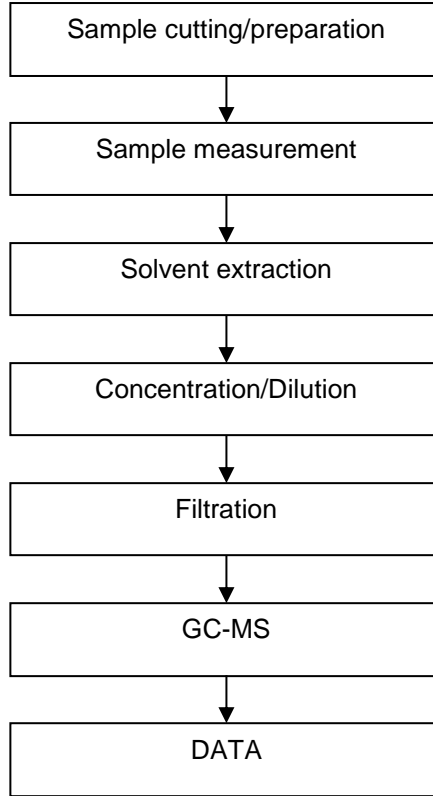
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PAHs Testing Flow Chart



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1007, 1010, 1013, 1015, 1017, 1020, 1021, 1022, 1023, 1024, 1026, 1027, 1028, 1040, 1041, 1043, 1054, 1055, 1056, 1061, 1095, 1207, 1211, 1220, 1230, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1265, 1266, 1275, 1283, 1284, 1308, 1314, 1316, 1452, 1569, 1571, 1589, 1617, 1618, 1672, 1764, 2038, 2095, 2096, 2101, 2102, 2103, 2127, 2129, 2265, 2343, 2344, 2345, 2346, 2384, 2385, 2386, 2387, 2388, 2448, 2463, 2464, 2468, 2490, 2493, 2501, 2502, 2516, 2517, 2532, 2550, 2560, 2569, 2570, 2571, 2574, 2576, 2584, 2586, 2587, 2589, 2598, 2614, 2626, 2630, 2631, 2637, 2651, 2653, 2654, 2655, 2656, 2660, 2661, 2662, 2668, 2679, 2704, 2709, 2722, 2726, 2733, QFR, 2754, 2919, 2990, 3463, 3482, 10024, 10053, 10070, 10076, 10198, 10269, 20276, 20293, 20294, 20295, 20478, 20480, 20482, 21014, 1429, 1430, 1431, 3314, 3315, 3443, 3453, 3454, 3558, 3611, 10093, 10097, 10183, 10271, 1032, 10346, 10347, 11627, MTW/TEW1015, 60227IEC01(BV), 60227IEC02(RV), 60227IEC05(BV), 60227IEC06(RV), 60227IEC08(RV-90), VDE WIRE, QB-A, QB-B, AVR, HDT, STT, SGT, GPT, TWP, FLRY, FLY, FLRYW, FLRX, FLR9Y, FLRW, MIL-W-76, 16878/1C, 16878/2C, 16878/3C, 16878/17B, AV, BVR, AVS, AVSS, AVSX, AVSSH, CAV, CAVS, CAVUS, EB, HEB, HEBX, HDEB, AVXS, AVX, AVFX, EBX, AVF, QVR, GB.AV.300/300V, GB.RVS.300/300V, TVSSX, MTW, MTW/TEW1015, H05V-K, H07V-K, E-80/T,TX,TY,TN/PVC 150V,300V, 600VFLALYW, R2, 60227 IEC 52 (RVV), 60227 IEC 53 (RVV), FLUY, FLUY, FHLRY, FLY-B, TW, THHN, THW, THW-2, THHW, THWN, THWN-2, TWE-105/T,TX,TY,TN/PVC 150V,300V,600V, EBB-80/T,TX/PVC 150V, CQC PVC wire and PVC TUBE



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