

## Test Report

No.: CANEC24025226849

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: XLPO wire and cable

Model No.: UL3321 16AWG black UL3321 22AWG white UL3266 14AWG red

Client Ref. Information: Please see Attachment

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 26, 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

Jessie Li

Jessie-JX Li  
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	CAN24-0252268-0002	Black plastic jacket A1+ White plastic jacket A2+ Red plastic jacket A3

**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	ND
Sum of 15 PAHs	-	mg/kg	-	ND
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 <sup>c</sup> with skin during the intended or foreseeable use <sup>d</sup> .	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 <sup>a,b</sup> 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	
<b>Sum of 15 PAHs</b>	<1	< 5	< 10	< 20	< 50

**Notes:**

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



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(EC) No.1272/2013)

<sup>d</sup> 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.



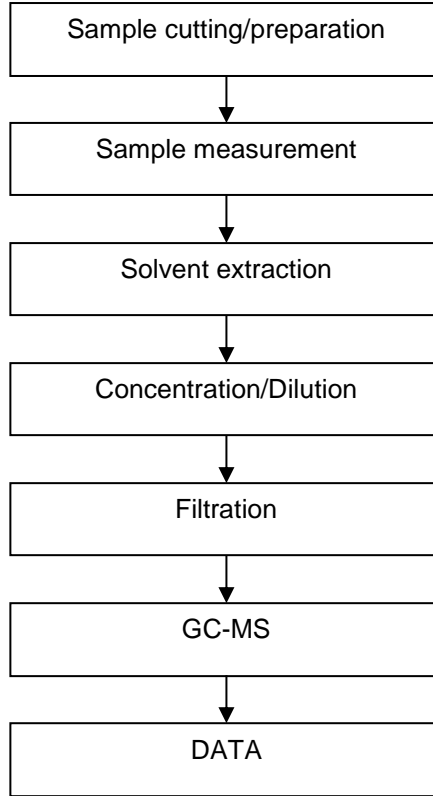
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### PAHs Testing Flow Chart



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### Attachment:

1385、1505、1764、2679、3194、3195、3196、3199、3302、3312、3368、3376、  
3377、3385、3456、3463、3464、3564、3167、3173、3182、3236、3265、3266、  
3271、3288、HP3239、3289、3290、3295、3297、3298、3300、3301、3320、3321、  
3328、3331、3343、3344、3346、3351、3352、3386、3398、3415、3417、3423、  
3424、3435、3436、3440、3447、3448、3469、3472、3473、3485、3491、3492、  
3505、3569、3584、3596、3597、3598、3599、3613、3633、3688、3691、4413、  
10368、10193、10266、1914、2951、10530、20346、3406、3613、3633、3816、  
3817、10267、RHH、XHHW、RHW-2、SIS、XHH、XHHW、XHHW-2、QFR-10634、  
QFR-11092、FLR12Y、FLR13Y、QB-C、QB-D、FL2X、FLR2X、FLR31Y、FLU2X-A、  
FHRLR2X-B、FLR21X-A、QFR-XNY、EEHX、FHRLR91X-A、FHRLR91X-B、FLR2Y-A、  
QCB-C、ATEEX、WXC、HDPE、FL2Y、QFR-0815、QFR-125、GXL、SXL、TXL、SGX、  
GPTH、JYJ-125、JYJ-150、AEX、AESSX、H05Z-K、H07Z-K、QFR-0818、QFR-1011、  
QFR-1412、QFR-1920、WDZ-YJY、QFR-1920、JET3173、JET3266、JET3385、JET3386、  
JET10368、JET1385、MIL-W-81044-6、MIL-W-81044-12、16878-10E、16878-14B、  
16878-15B、16878-16C、16878-36、QBJ-C、DCEK、CHFUS、EV、FHRLR9Y、FLALR2X、  
T3、FL42X、E-105/T、TX、TY、YN/XLPO 150V,300V,600V; E-125/TX、TY、  
YN/XLPO 150V,300V,600V; E-150/TX、TY、TN/XLPO 150V,300V,600V; CQC XLPE WIRE;  
AND XLPE TUBE AND XLPE WIRE AND CABLE SERIES



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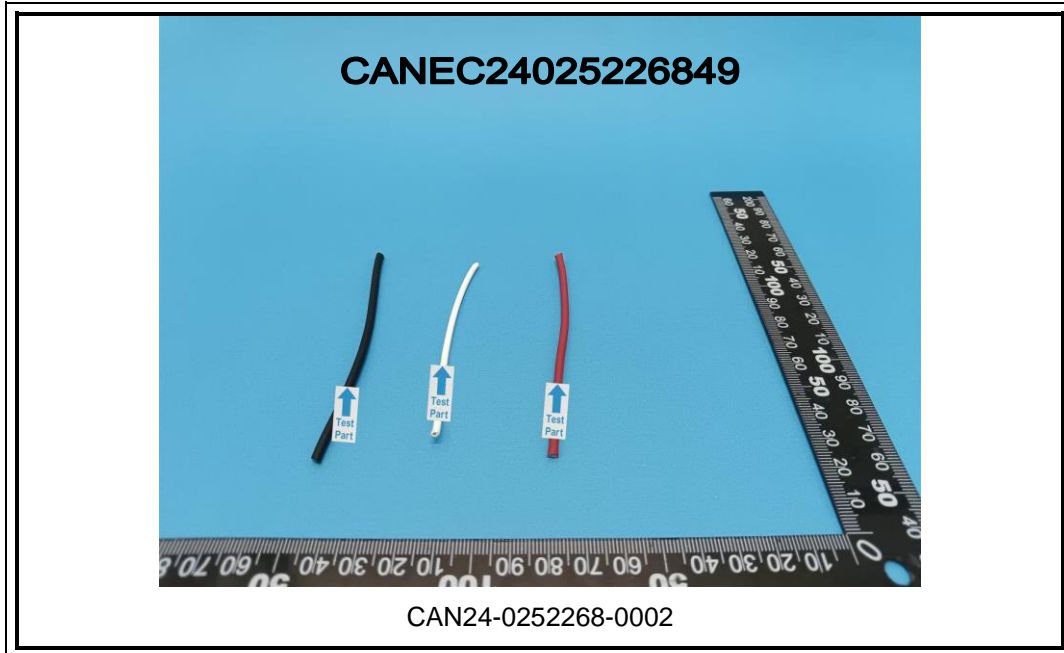
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