

## Test Report

No.: SZXEC26003748701\_1

Date: Jun 24, 2026

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Client Name: SHENZHEN YONGYUAN MICROELECTRONICS TECHNOLOGY CO.,LTD

Client Address: C2 BUILDING RUIMING INDUSTRIAL PARK, NO.44 HEXIU WEST ROAD,  
ZHANCHENG, FUHAI STREET,BAO'AN DIST, SHENZHEN

Sample Name: MOS

Model No.: SOT23L

Client Ref. Information: SOT23L、QFN2\*2-6L、QFN3\*3-8L、SOP-8L、SOT89-3L、  
ESOP-8L、TO-92-3L、TO94-4L、SOT223-3L、SOT23-3L、  
SOT23-5L、SOT23-6L、SOT323-3L、SOT363-6L、  
SOT523-3L、SOT723-3L、DFN3\*3-10L、TSSOP-8L、  
SOT223-2L、SSOP-24L、SOT563-6L、QFN5\*6-22L、  
QFN2\*3-6L、DFN1\*0.6-3L、DFN3\*3-10L、SOP-16L

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

**THIS REPORT IS TO SUPERSEDE REPORT NO.SZXEC26003748701, DATE: Jun 23, 2026.**

SGS Job No.: SZP26-029866

Sample Receiving Date: Jun 16, 2026

Testing Period: Jun 16, 2026 ~ Jun 23, 2026

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) | Pass       |

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

Tina

Tina Fan  
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         | SZX26-0037487-0001.C001 | "MOS"       |

## 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.  | Limit | Unit(s) | MDL | A1          |
|---------------------------------------------------------------------------------|----------|-------|---------|-----|-------------|
| Benzo(a)pyrene (BaP)                                                            | 50-32-8  | 0.5   | mg/kg   | 0.1 | ND          |
| Benzo(e)pyrene (BeP)                                                            | 192-97-2 | 0.5   | mg/kg   | 0.1 | ND          |
| Benzo(a)anthracene (BaA)                                                        | 56-55-3  | 0.5   | mg/kg   | 0.1 | ND          |
| Benzo(b)fluoranthene (BbF)                                                      | 205-99-2 | 0.5   | mg/kg   | 0.1 | ND          |
| Benzo(j)fluoranthene (BjF)                                                      | 205-82-3 | 0.5   | mg/kg   | 0.1 | ND          |
| Benzo(k)fluoranthene (BkF)                                                      | 207-08-9 | 0.5   | mg/kg   | 0.1 | ND          |
| Chrysene (CHR)                                                                  | 218-01-9 | 0.5   | mg/kg   | 0.1 | ND          |
| Dibenzo(a,h)anthracene (DBA)                                                    | 53-70-3  | 0.5   | mg/kg   | 0.1 | ND          |
| Benzo(g,h,i)perylene (BPE)                                                      | 191-24-2 | 0.5   | mg/kg   | 0.1 | ND          |
| Indeno(1,2,3-c,d)pyrene (IPY)                                                   | 193-39-5 | 0.5   | 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),<br>Pyrene(PYR), Anthracene(ANT),<br>Fluoranthene(FLT) | -        | 10    | mg/kg   | -   | ND          |
| Naphthalene (NAP)                                                               | 91-20-3  | 2     | mg/kg   | 0.1 | ND          |
| Sum of 15 PAHs                                                                  | -        | 10    | mg/kg   | -   | ND          |
| Material Category                                                               | -        | -     | -       | -   | 2           |
| <b>Conclusion</b>                                                               |          |       |         |     | <b>Pass</b> |

## Notes:

As per client information, the tested sample is not children product which is under the directive of German ProdSG.

**AfPS (German commission for Product Safety) : PAHs requirements**

| Parameter | Category 1 | Category 2 | Category 3 |
|-----------|------------|------------|------------|
|-----------|------------|------------|------------|



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|                                                                               | Materials intended to be placed in the mouth, or materials coming into long-term contact with skin (more than 30s) during the intended use<br>-in toys according to Directive 2009/48/EC or<br>-for the use by children <sup>a,b</sup> up to 3 years of age. | 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. |                               |
|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
|                                                                               |                                                                                                                                                                                                                                                              | a.<br>use by children                                                                                                                                                                            | b.<br>other consumer products | a.<br>use by children                                                                                                                                   | b.<br>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                                                                                                                                                    |                               |



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|                |    |     |      |      |      |
|----------------|----|-----|------|------|------|
| Sum of 15 PAHs | <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 (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: This report updates Client Ref.Info.

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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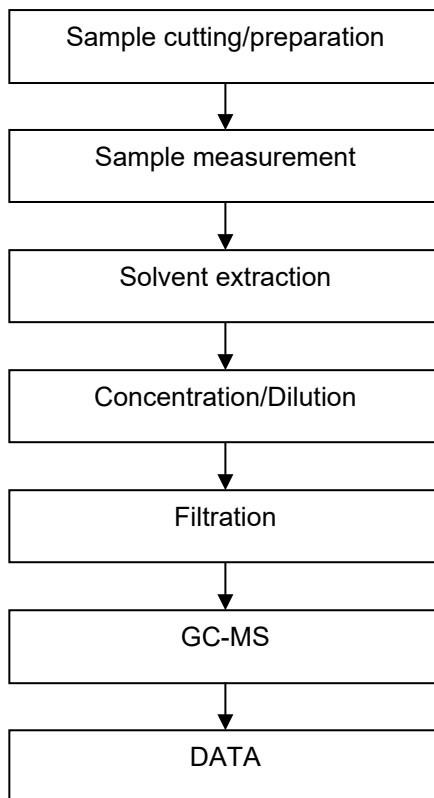
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### PAHs Testing Flow Chart



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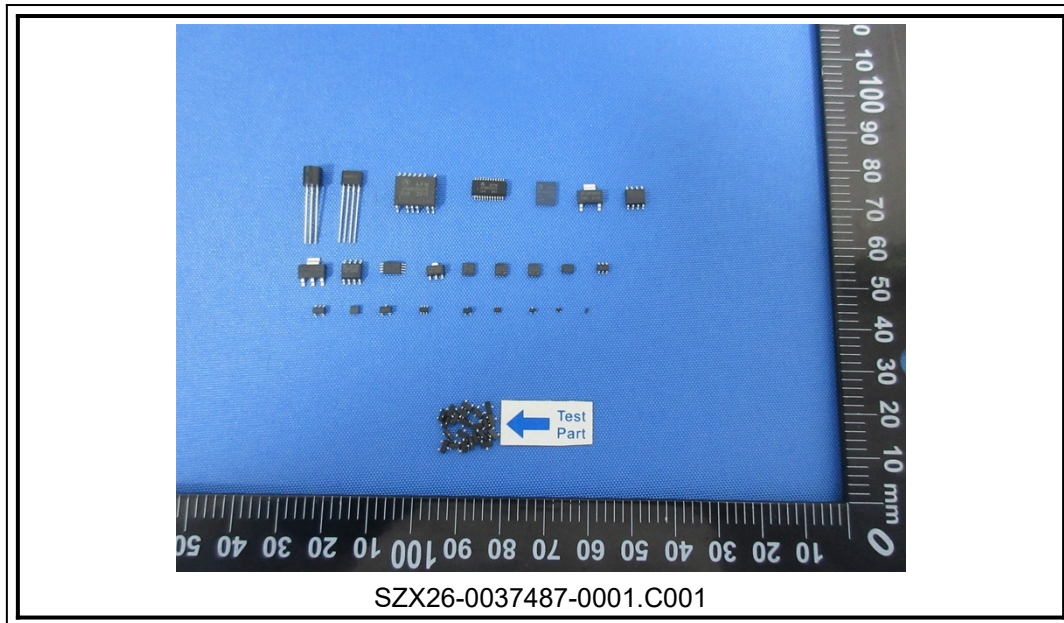
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