

## Test Report

No.: CANEC25019768421

Date: Aug 19, 2025

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Client Name: FOSHAN BLUE ROCKET ELECTRONICS CO.,LTD.

Client Address: NO.45 GUXIN ROAD,CHANCHENG DISTRICT,FOSHAN,GUANGDONG,P.R.C.

Sample Name: SOT-23 Semiconductor Device

Model No.: SOT-23

Client Ref. Information: SOT-323,SOD-123,SOD-323,SOD-123FL,SOT-89,SOP-8,SOP-7,ESOP-8,SOT-363,SOT-223,SOT23-6,SOT23-5,SOT23-3,SOT-523,SOD-523,TO-92,TO-92LM TO-126F,TO-126,TO-277,TO-252,TO-251,TO-263,TO-262,TO-220,TO-220F,TO-220FL TO-3P,TO-3PH,TO-3PL,TO-3PN,TSOT23-6 PDFN3×3,PDFN5×6 23-3,SOT-523,SOD-523,TO-

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

Allie Chen

Allie Chen  
Approved Signatory

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## Test Result(s):

### Test Part Description

| SN ID | Sample No. | SGS Sample ID           | Description                   |
|-------|------------|-------------------------|-------------------------------|
| SN1   | A1         | CAN25-0197684-0001.C001 | "SOT-23 Semiconductor Device" |

### 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 |
|---------------------------------------------------------------------------------|----------|---------|-----|----|
| 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),<br>Pyrene(PYR), Anthracene(ANT),<br>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**

|           | Category 1                                                                                         | Category 2                                                                                                                                                                                       | Category 3                                                                                                                                              |
|-----------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Parameter | 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)<br>during the<br>intended use<br>-in toys<br>according to<br>Directive<br>2009/48/EC<br>or<br>-for the use by<br>children <sup>a,b</sup> up<br>to 3 years of<br>age. | a.<br>use by<br>children | b.<br>other<br>consumer<br>products | a.<br>use by<br>children | b.<br>other<br>consumer<br>products |
|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|
| Benzo(a)pyrene (BaP)<br>mg/kg                                                             | < 0.2                                                                                                                                                                                | < 0.2                    | < 0.5                               | < 0.5                    | < 1                                 |
| Benzo(e)pyrene (BeP)<br>mg/kg                                                             | < 0.2                                                                                                                                                                                | < 0.2                    | < 0.5                               | < 0.5                    | < 1                                 |
| Benzo(a)anthracene<br>(BaA) mg/kg                                                         | < 0.2                                                                                                                                                                                | < 0.2                    | < 0.5                               | < 0.5                    | < 1                                 |
| Benzo(b)fluoranthene<br>(BbF) mg/kg                                                       | < 0.2                                                                                                                                                                                | < 0.2                    | < 0.5                               | < 0.5                    | < 1                                 |
| Benzo(j)fluoranthene<br>(BjF) mg/kg                                                       | < 0.2                                                                                                                                                                                | < 0.2                    | < 0.5                               | < 0.5                    | < 1                                 |
| Benzo(k)fluoranthene<br>(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<br>(DBA) mg/kg                                                     | < 0.2                                                                                                                                                                                | < 0.2                    | < 0.5                               | < 0.5                    | < 1                                 |
| Benzo(g,h,i)perylene<br>(BPE) mg/kg                                                       | < 0.2                                                                                                                                                                                | < 0.2                    | < 0.5                               | < 0.5                    | < 1                                 |
| Indeno(1,2,3-cd)pyrene<br>(IPY) mg/kg                                                     | < 0.2                                                                                                                                                                                | < 0.2                    | < 0.5                               | < 0.5                    | < 1                                 |
| Phenanthrene (PHE),<br>pyrene (PYR),<br>anthracene (ANT),<br>fluoranthene (FLT),<br>mg/kg | < 1 Sum                                                                                                                                                                              | < 5 Sum                  | < 10 Sum                            | < 20 Sum                 | < 50 Sum                            |
| Naphthalene (NAP)<br>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 (EC) No.1272/2013)



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<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.

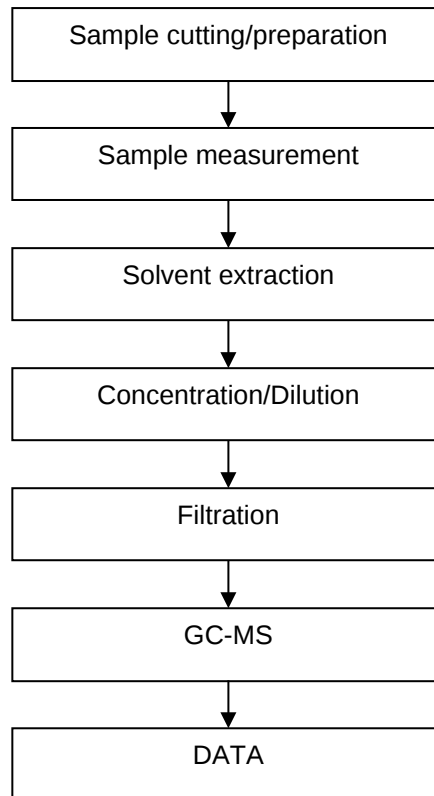
Remark:

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: Results & photo(s) of this report refer to test report CANEC25019768403.

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.

**PAHs Testing Flow Chart**



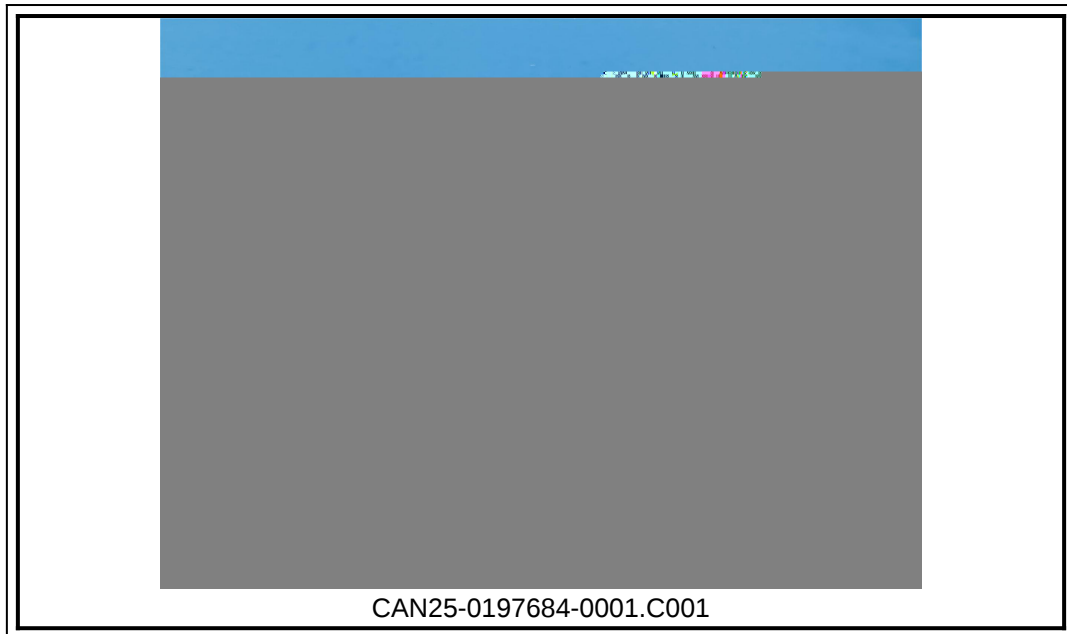
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Sample Photo:



SGS authenticate the photo on original report only  
\*\*\* End of Report \*\*\*