

# 承 認 書

## SPECIFICATION FOR APPROVAL

|           |                    |
|-----------|--------------------|
| 客 戶:      | D706               |
| CUSTOMER: |                    |
| 客 戶 料 號:  |                    |
| CUST P/N: |                    |
| 泛 亞 料 號:  |                    |
| FINE P/N: |                    |
| 產 品 型 號:  | FYD70612024040101L |
| DESC:     |                    |
| 日 期:      | 2024/04/01         |
| DATE:     |                    |
| 版 本:      | A.0                |
| Version:  |                    |

| 擬制<br>PREPARED BY | 審核<br>CHECKED BY | 批准<br>APPROVED BY | 客戶承認<br>CUSTOMER APPROVE |
|-------------------|------------------|-------------------|--------------------------|
| 尹 艺               | 蒋慧璇              | 蔡纪雨               |                          |

东莞市泛亚电子有限公司

Dongguan FANYA Electronics Co., LTD

公司地址：东莞市石碣镇刘屋科技东路 194 号

TEL：0769-22490287 / 22452492

FAX：0769-22499451

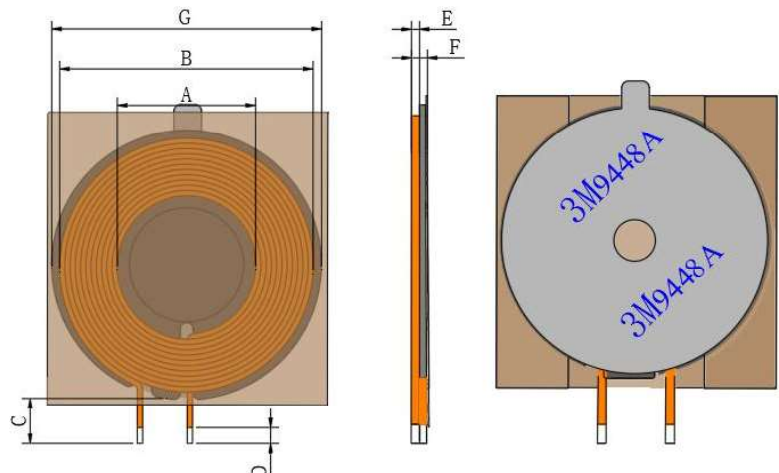
E-mail：fineelec@163.com

## Version Change History

[illegible]

# SPECIFICATION

|                  |                    |                |                |      |
|------------------|--------------------|----------------|----------------|------|
| 產 品 型 號:<br>DESC | FYD70612024040101L | 版本<br>Rev: A.0 | 客戶 CUST:       | D706 |
|                  |                    |                | 泛亚料号 Fine P/N: |      |
|                  |                    |                | 客户料号 CUST P/N: |      |

|                                                                                                                             |   |               |
|-----------------------------------------------------------------------------------------------------------------------------|---|---------------|
| <div>一、尺寸 DIMENSION:(mm)</div> <div></div> | A | 21.8±0.5      |
|                                                                                                                             | B | 39.5±1.0      |
|                                                                                                                             | C | 5.52±1.5      |
|                                                                                                                             | D | 2.5MAX(不带黄胶)  |
|                                                                                                                             | E | 0.8±0.2       |
|                                                                                                                             | F | 2.5MAX(不含离型纸) |
|                                                                                                                             | G | 42.4±0.5      |
|                                                                                                                             |   |               |

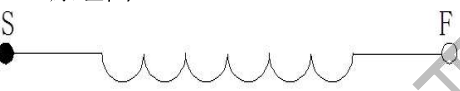
注:

1. 线圈交叉出线;

2. 线圈反贴硬磁片, 硬磁片尺寸  $\phi$  42.4\*1.0mm, 开双直槽; 磁片中间贴  $\phi$  18\*0.75mm 小磁片, 贴合用  $\phi$  15\*0.08mm 普通双面背胶贴合;

4.线圈正反面用特殊材料膜覆盖, 特殊材料膜贴合结尾在线圈背面。

5.背胶贴在特殊材料膜上, 背胶尺寸  $\phi$  41.2\*0.15mm 带手撕位 3M9448A 双面背胶

|                                                                                     |  |  |  |  |
|-------------------------------------------------------------------------------------|--|--|--|--|
| 二、原理图 SCHEMATIC DIAGRAM:                                                            |  |  |  |  |
|  |  |  |  |  |

|                               |                |   |               |             |                           |
|-------------------------------|----------------|---|---------------|-------------|---------------------------|
| 三、绕线参数 Winding Specification: |                |   |               |             |                           |
| 序号<br>NO.                     | 端子<br>TERMINAL |   | 线径<br>WIRE    | 圈数<br>Turns | 绕线方向<br>Winding Direction |
| 1                             | S              | F | Litz 0.08*65P | 11Ts        | CW                        |

|                                    |            |                |                     |                        |                         |
|------------------------------------|------------|----------------|---------------------|------------------------|-------------------------|
| 四、电气特性 ELECTRICAL CHARACTERISTICS: |            |                |                     |                        |                         |
| 湿度 RELATIVE HUMIDITY:65±20%        |            |                |                     |                        |                         |
| 序号<br>NO.                          | 项目<br>ITEM | 端子<br>TERMINAL | 标准<br>SPECIFICATION | 测试条件<br>TEST FREQUENCY | 测试仪器<br>TEST EQUIPMENTS |
| 1                                  | IND.       | S-F            | 8.3uH ±10% 加磁片      | 100KHz/1.0V            | TH2829LX                |
| 2                                  | DCR        | S-F            | 100m $\Omega$ Max   | @25℃                   | TH2829LX                |

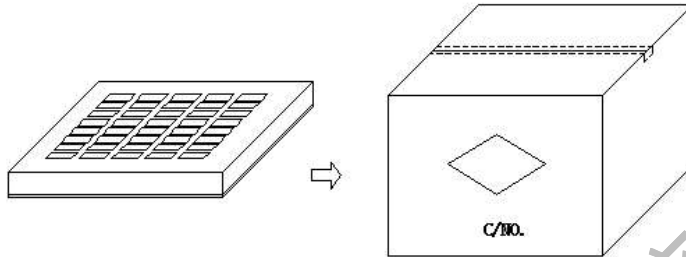
|                           |                          |
|---------------------------|--------------------------|
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| 尹艺 2024/04/01             | 蔡纪雨 2024/04/01           |

## SPECIFICATION

|               |                    |                |                |      |
|---------------|--------------------|----------------|----------------|------|
| 產品型號:<br>DESC | FYD70612024040101L | 版本<br>Rev: A.0 | 客戶 CUST:       | D706 |
|               |                    |                | 泛亚料号 Fine P/N: |      |
|               |                    |                | 客户料号 CUST P/N: |      |

### 五、包装 PACKING:

#### 5.1 包装图片 Packing pictures:



#### 5.2 包装数量及规格 Packing Quantity:

| 项目 Item      | 数量 Quantity | 材料规格 Material |
|--------------|-------------|---------------|
| 盘 Box        | 200 Pcs     | 370*265*55mm  |
| 箱 Big Carton | 1000 Pcs    | 420*270*310mm |

#### 5.3 包装以现有包装盘为参照标准，以实际出货包装为准,如有特要求可以定制。

The packaging shall be based on the existing packing plate and the actual delivery package shall prevail. If there is any requirement, we can customize it.

### 六、材料清单 Material list:

| 序号<br>number | 材料名称<br>Material name | 品名描述<br>Description              | 制造商<br>Manufacturer |
|--------------|-----------------------|----------------------------------|---------------------|
| 1            | Litz 0.08*65 股        | Litz 0.08*65 股                   |                     |
| 2            | 无铅锡条                  | 无铅锡条                             |                     |
| 3            | 硬磁片                   | Φ42.4*1.0mm, 开双直槽                |                     |
| 4            | 小磁片                   | Φ18*0.75mm                       |                     |
| 5            | 普通背胶                  | Φ15*0.08mm 普通双面背胶                |                     |
| 6            | 特殊材料膜                 | 70*46*0.03mm                     |                     |
| 7            | 结构胶                   | 峙鸿 SH8536                        |                     |
| 8            | 3M9448A 双面背胶          | Φ41.2*0.15mm 开孔带手撕位 3M9448A 双面背胶 |                     |
| 9            |                       |                                  |                     |
|              |                       |                                  |                     |

|                           |                          |
|---------------------------|--------------------------|
| 擬制/日期<br>PREPARED BY/DATE | 審核/日期<br>CHECKED BY/DATE |
| 尹艺 2024/04/01             | 蔡纪雨 2024/04/01           |

## Test Report

No.: SZXEC23000888001

Date: Jun 13, 2023

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Client Name: DONGGUAN FINE ELECTRONICS LIMITED

Client Address: 194 KEJI EAST ROAD, SHIJIE TOWN, DONGGUAN CITY, GUANGDONG PROVINCE

Sample Name: Coil

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

SGS Job No.: SZP23-001370

Sample Receiving Date: May 15, 2023

Testing Period: May 15, 2023 ~ May 24, 2023

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 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU- Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) | 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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SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Testing Center Chemical Laboratory

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## Test Report

No.: SZXEC23000888001

Date: Jun 13, 2023

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### Test Result(s):

#### Test Part Description:

| SN ID | Sample No. | SGS Sample ID           | Description                                                      |
|-------|------------|-------------------------|------------------------------------------------------------------|
| SN1   | A1         | SZX23-0008880-0001.C001 | Copper-colored metal wire with colorless transparent surface A1# |
| SN2   | A2         | SZX23-0008880-0001.C002 | Silvery metal wire with red surface A2#                          |
| SN3   | A3         | SZX23-0008880-0001.C003 | White material A3#                                               |
| SN4   | A4         | SZX23-0008880-0001.C004 | White material A4#                                               |
| SN5   | A5         | SZX23-0008880-0001.C005 | Dark grey core A5#                                               |
| SN6   | A6         | SZX23-0008880-0001.C006 | Silvery metal A6#                                                |

#### Remarks:

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

**EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU- Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)**

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015 and IEC 62321-8:2017, analysis was performed by ICP-OES, UV-Vis and GC-MS.

| Test Item(s)                       | Limit | Unit(s) | MDL | A1 | A2 | A3 |
|------------------------------------|-------|---------|-----|----|----|----|
| Cadmium(Cd)                        | 100   | mg/kg   | 2   | ND | ND | ND |
| Lead (Pb)                          | 1000  | mg/kg   | 2   | ND | ND | ND |
| Mercury (Hg)                       | 1000  | mg/kg   | 2   | ND | ND | ND |
| Hexavalent Chromium (Cr(VI))       | 1000  | mg/kg   | 8   | ND | ND | ND |
| Polybromobiphenyl (PBBs)           | 1000  | mg/kg   | -   | ND | ND | ND |
| Monobromobiphenyl (MonoBB)         | -     | mg/kg   | 5   | ND | ND | ND |
| Dibromobiphenyl (DiBB)             | -     | mg/kg   | 5   | ND | ND | ND |
| Tribromobiphenyl (TriBB)           | -     | mg/kg   | 5   | ND | ND | ND |
| Tetrabromobiphenyl (TetraBB)       | -     | mg/kg   | 5   | ND | ND | ND |
| Pentabromobiphenyl (PentaBB)       | -     | mg/kg   | 5   | ND | ND | ND |
| Hexabromobiphenyl (HexaBB)         | -     | mg/kg   | 5   | ND | ND | ND |
| Heptabromobiphenyl (HeptaBB)       | -     | mg/kg   | 5   | ND | ND | ND |
| Octabromobiphenyl (OctaBB)         | -     | mg/kg   | 5   | ND | ND | ND |
| Nonabromobiphenyl (NonaBB)         | -     | mg/kg   | 5   | ND | ND | ND |
| Decabromobiphenyl (DecaBB)         | -     | mg/kg   | 5   | ND | ND | ND |
| Polybromodiphenyl ether(PBDEs)     | 1000  | mg/kg   | -   | ND | ND | ND |
| Monobromodiphenylether (MonoBDE)   | -     | mg/kg   | 5   | ND | ND | ND |
| Dibromodiphenylether (DiBDE)       | -     | mg/kg   | 5   | ND | ND | ND |
| Tribromodiphenylether (TriBDE)     | -     | mg/kg   | 5   | ND | ND | ND |
| Tetrabromodiphenylether (TetraBDE) | -     | mg/kg   | 5   | ND | ND | ND |



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Shenzhen Branch Testing Center Chemical Laboratory

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# Test Report

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| Test Item(s)                       | Limit | Unit(s) | MDL | A1 | A2 | A3 |
|------------------------------------|-------|---------|-----|----|----|----|
| Pentabromodiphenylether (PentaBDE) | -     | mg/kg   | 5   | ND | ND | ND |
| Hexabromodiphenylether (HexaBDE)   | -     | mg/kg   | 5   | ND | ND | ND |
| Heptabromodiphenylether (HeptaBDE) | -     | mg/kg   | 5   | ND | ND | ND |
| Octabromodiphenylether (OctaBDE)   | -     | mg/kg   | 5   | ND | ND | ND |
| Nonabromodiphenylether (NonaBDE)   | -     | mg/kg   | 5   | ND | ND | ND |
| Decabromodiphenylether (DecaBDE)   | -     | mg/kg   | 5   | ND | ND | ND |
| Dibutyl Phthalate(DBP)             | 1000  | mg/kg   | 50  | ND | ND | ND |
| Benzyl Butyl Phthalate(BBP)        | 1000  | mg/kg   | 50  | ND | ND | ND |
| Bis-(2-ethylhexyl) Phthalate(DEHP) | 1000  | mg/kg   | 50  | ND | ND | ND |
| Diisobutyl Phthalate(DIBP)         | 1000  | mg/kg   | 50  | ND | ND | ND |

| Test Item(s)                       | Limit | Unit(s) | MDL | A4 | A5 |
|------------------------------------|-------|---------|-----|----|----|
| Cadmium(Cd)                        | 100   | mg/kg   | 2   | ND | ND |
| Lead (Pb)                          | 1000  | mg/kg   | 2   | ND | ND |
| Mercury (Hg)                       | 1000  | mg/kg   | 2   | ND | ND |
| Hexavalent Chromium (Cr(VI))       | 1000  | mg/kg   | 8   | ND | ND |
| Polybromobiphenyl (PBBs)           | 1000  | mg/kg   | -   | ND | ND |
| Monobromobiphenyl (MonoBB)         | -     | mg/kg   | 5   | ND | ND |
| Dibromobiphenyl (DiBB)             | -     | mg/kg   | 5   | ND | ND |
| Tribromobiphenyl (TriBB)           | -     | mg/kg   | 5   | ND | ND |
| Tetrabromobiphenyl (TetraBB)       | -     | mg/kg   | 5   | ND | ND |
| Pentabromobiphenyl (PentaBB)       | -     | mg/kg   | 5   | ND | ND |
| Hexabromobiphenyl (HexaBB)         | -     | mg/kg   | 5   | ND | ND |
| Heptabromobiphenyl (HeptaBB)       | -     | mg/kg   | 5   | ND | ND |
| Octabromobiphenyl (OctaBB)         | -     | mg/kg   | 5   | ND | ND |
| Nonabromobiphenyl (NonaBB)         | -     | mg/kg   | 5   | ND | ND |
| Decabromobiphenyl (DecaBB)         | -     | mg/kg   | 5   | ND | ND |
| Polybromodiphenyl ether(PBDEs)     | 1000  | mg/kg   | -   | ND | ND |
| Monobromodiphenylether (MonoBDE)   | -     | mg/kg   | 5   | ND | ND |
| Dibromodiphenylether (DiBDE)       | -     | mg/kg   | 5   | ND | ND |
| Tribromodiphenylether (TriBDE)     | -     | mg/kg   | 5   | ND | ND |
| Tetrabromodiphenylether (TetraBDE) | -     | mg/kg   | 5   | ND | ND |
| Pentabromodiphenylether (PentaBDE) | -     | mg/kg   | 5   | ND | ND |
| Hexabromodiphenylether (HexaBDE)   | -     | mg/kg   | 5   | ND | ND |
| Heptabromodiphenylether (HeptaBDE) | -     | mg/kg   | 5   | ND | ND |
| Octabromodiphenylether (OctaBDE)   | -     | mg/kg   | 5   | ND | ND |



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## Test Report

No.: SZXEC23000888001

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| Test Item(s)                        | Limit | Unit(s) | MDL | A4 | A5 |
|-------------------------------------|-------|---------|-----|----|----|
| Nonabromodiphenylether (NonaBDE)    | -     | mg/kg   | 5   | ND | ND |
| Decabromodiphenylether (DecaBDE)    | -     | mg/kg   | 5   | ND | ND |
| Dibutyl Phthalate (DBP)             | 1000  | mg/kg   | 50  | ND | ND |
| Benzyl Butyl Phthalate (BBP)        | 1000  | mg/kg   | 50  | ND | ND |
| Bis-(2-ethylhexyl) Phthalate (DEHP) | 1000  | mg/kg   | 50  | ND | ND |
| Diisobutyl Phthalate (DIBP)         | 1000  | mg/kg   | 50  | ND | ND |

### Notes:

- (1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
- (2) IEC 62321 series is equivalent to EN 62321 series.
- (3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-1:2015, IEC 62321-6:2015 and IEC62321-8:2017, analysis was performed by ICP-OES, UV-Vis and GC-MS.

| Test Item(s)                       | Limit | Unit(s)            | MDL  | A6 |
|------------------------------------|-------|--------------------|------|----|
| Cadmium (Cd)                       | 100   | mg/kg              | 2    | ND |
| Lead (Pb)                          | 1000  | mg/kg              | 2    | 65 |
| Mercury (Hg)                       | 1000  | mg/kg              | 2    | ND |
| Hexavalent Chromium (Cr(VI)) ▼     | -     | µg/cm <sup>2</sup> | 0.10 | ND |
| Polybromobiphenyl (PBBs)           | 1000  | mg/kg              | -    | ND |
| Monobromobiphenyl (MonoBB)         | -     | mg/kg              | 5    | ND |
| Dibromobiphenyl (DiBB)             | -     | mg/kg              | 5    | ND |
| Tribromobiphenyl (TriBB)           | -     | mg/kg              | 5    | ND |
| Tetrabromobiphenyl (TetraBB)       | -     | mg/kg              | 5    | ND |
| Pentabromobiphenyl (PentaBB)       | -     | mg/kg              | 5    | ND |
| Hexabromobiphenyl (HexaBB)         | -     | mg/kg              | 5    | ND |
| Heptabromobiphenyl (HeptaBB)       | -     | mg/kg              | 5    | ND |
| Octabromobiphenyl (OctaBB)         | -     | mg/kg              | 5    | ND |
| Nonabromobiphenyl (NonaBB)         | -     | mg/kg              | 5    | ND |
| Decabromobiphenyl (DecaBB)         | -     | mg/kg              | 5    | ND |
| Polybromodiphenyl ether (PBDEs)    | 1000  | mg/kg              | -    | ND |
| Monobromodiphenylether (MonoBDE)   | -     | mg/kg              | 5    | ND |
| Dibromodiphenylether (DiBDE)       | -     | mg/kg              | 5    | ND |
| Tribromodiphenylether (TriBDE)     | -     | mg/kg              | 5    | ND |
| Tetrabromodiphenylether (TetraBDE) | -     | mg/kg              | 5    | ND |
| Pentabromodiphenylether (PentaBDE) | -     | mg/kg              | 5    | ND |
| Hexabromodiphenylether (HexaBDE)   | -     | mg/kg              | 5    | ND |
| Heptabromodiphenylether (HeptaBDE) | -     | mg/kg              | 5    | ND |
| Octabromodiphenylether (OctaBDE)   | -     | mg/kg              | 5    | ND |
| Nonabromodiphenylether (NonaBDE)   | -     | mg/kg              | 5    | ND |



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## Test Report

No.: SZXEC23000888001

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| Test Item(s)                       | Limit | Unit(s) | MDL | A6 |
|------------------------------------|-------|---------|-----|----|
| Decabromodiphenylether (DecaBDE)   | -     | mg/kg   | 5   | ND |
| Dibutyl Phthalate(DBP)             | 1000  | mg/kg   | 50  | ND |
| Benzyl Butyl Phthalate(BBP)        | 1000  | mg/kg   | 50  | ND |
| Bis-(2-ethylhexyl) Phthalate(DEHP) | 1000  | mg/kg   | 50  | ND |
| Diisobutyl Phthalate(DIBP)         | 1000  | mg/kg   | 50  | ND |

### Notes:

- (1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
- (2) IEC 62321 series is equivalent to EN 62321 series.
- (3) ▼ = a. The sample is positive for Cr(VI) if the Cr(VI) concentration is greater than 0.13 µg/cm<sup>2</sup>.  
The sample coating is considered to contain Cr(VI)  
b. The sample is negative for Cr(VI) if Cr(VI) is ND (concentration less than 0.10 µg/cm<sup>2</sup>).  
The coating is considered a non-Cr(VI) based coating  
c. The result between 0.10 µg/cm<sup>2</sup> and 0.13 µg/cm<sup>2</sup> is considered to be inconclusive - unavoidable coating variations may influence the determination

Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

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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No.: SZXEC23000888001

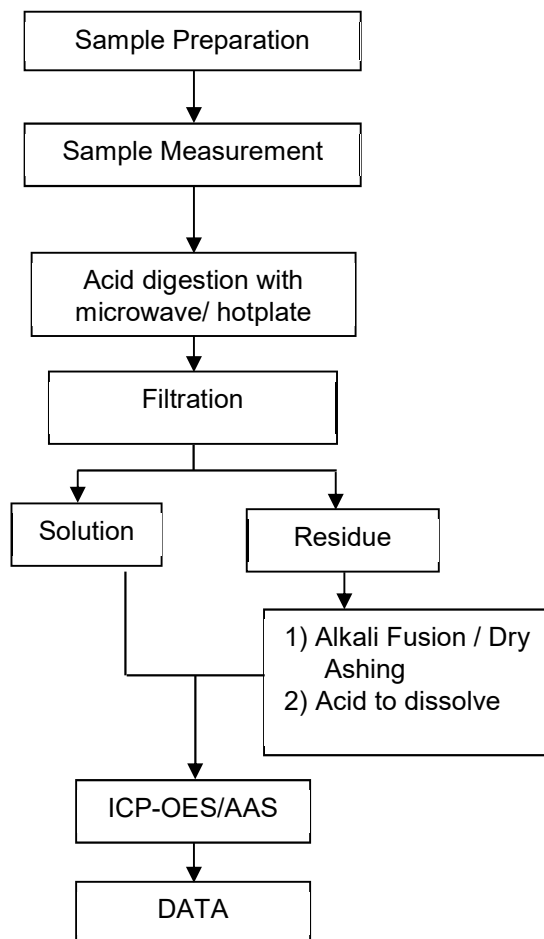
Date: Jun 13, 2023

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### ATTACHMENTS

#### Elements Testing Flow Chart

These samples were dissolved totally by pre-conditioning method according to below flow chart.



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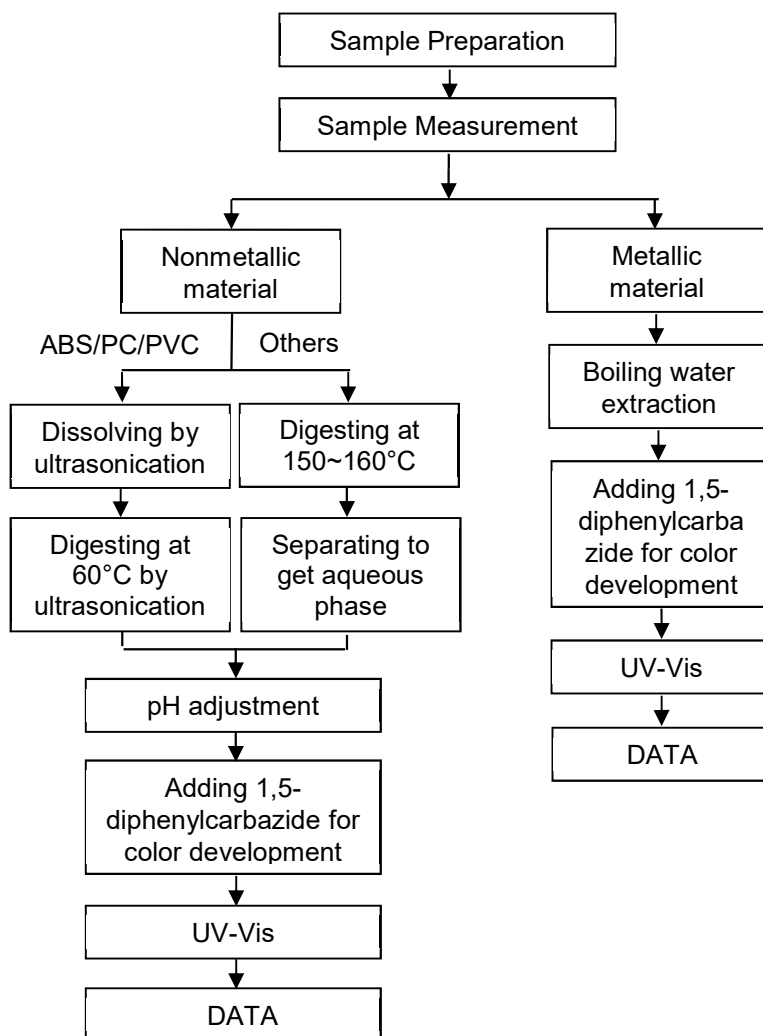
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### Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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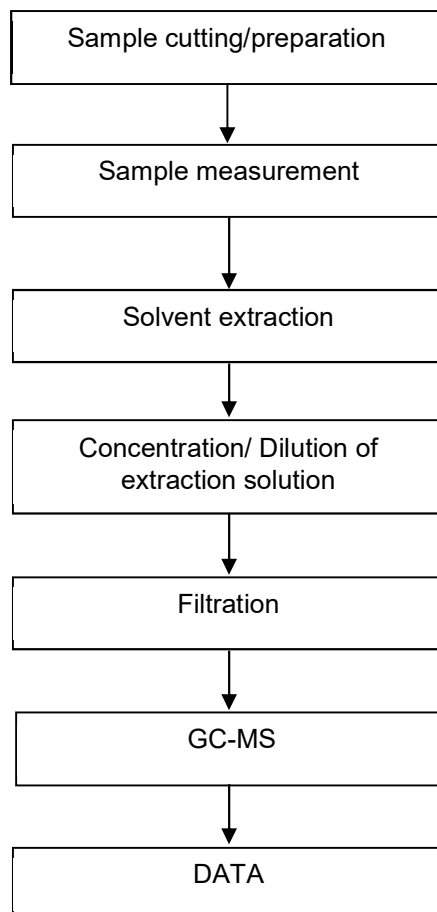
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### PBBs/PBDEs Testing Flow Chart



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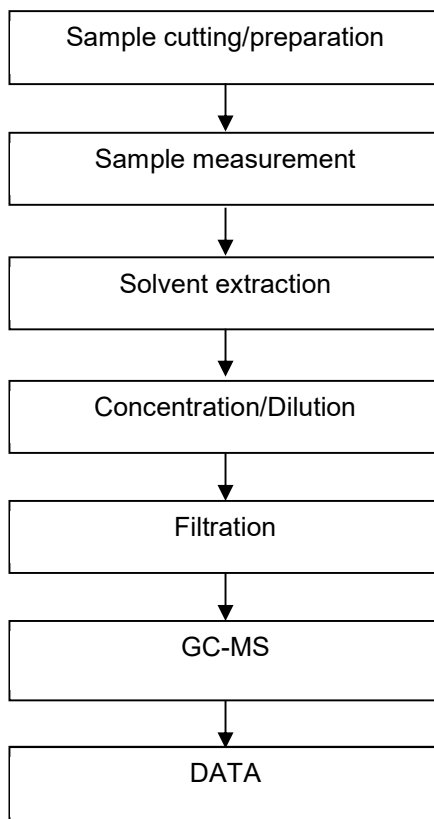
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### ATTACHMENTS

#### Phthalates Testing Flow Chart



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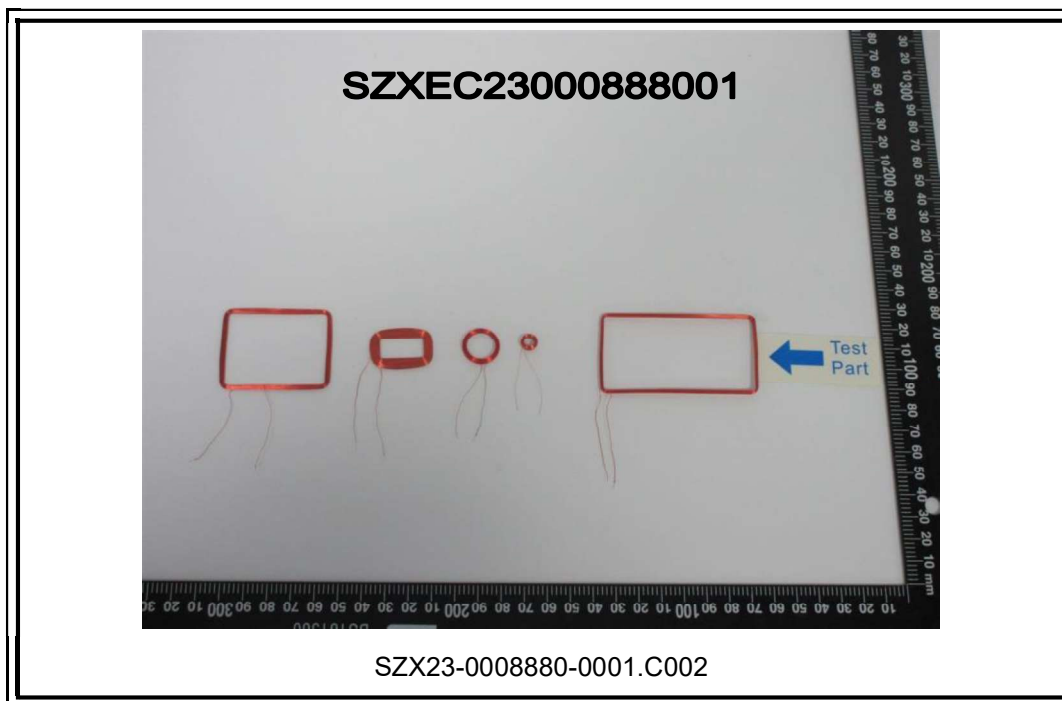
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Sample Photo:



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## 检测报告

编号: SZXEC23000888002

日期: 2023 年 06 月 13 日

第 1 页, 共 12 页

客户名称: 东莞市泛亚电子有限公司  
客户地址: 广东省东莞市石碣镇科技东路 194 号

样品名称: 线圈  
以上样品及信息由客户提供。

SGS 工作编号: SZP23-001370  
样品接收时间: 2023 年 05 月 15 日  
检测周期: 2023 年 05 月 15 日 ~ 2023 年 05 月 24 日  
检测要求: 根据客户要求检测  
检测方法: 见后续页。  
检测结果: 见后续页。

| 检测要求                                                                                                                                                 | 结论 |
|------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 欧盟 RoHS 指令 2011/65/EU 附录 II 的修正指令(EU) 2015/863- 铅、汞、镉、六价铬、多溴联苯(PBBs)、多溴二苯醚(PBDEs)、邻苯二甲酸二丁酯 (DBP)、邻苯二甲酸丁苄酯(BBP)、邻苯二甲酸二(2-乙基己基)酯(DEHP)和邻苯二甲酸二异丁酯(DIBP) | 符合 |

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## 检测报告

编号: SZXEC23000888002

日期: 2023 年 06 月 13 日

第 2 页, 共 12 页

## 检测结果:

## 检测部件外观描述:

| 样品序号 | 样品编号 | SGS 样品 ID               | 样品描述              |
|------|------|-------------------------|-------------------|
| SN1  | A1   | SZX23-0008880-0001.C001 | 带无色透明表层的铜色金属线 A1# |
| SN2  | A2   | SZX23-0008880-0001.C002 | 带红色表层的银色金属线 A2#   |
| SN3  | A3   | SZX23-0008880-0001.C003 | 白色材料 A3#          |
| SN4  | A4   | SZX23-0008880-0001.C004 | 白色材料 A4#          |
| SN5  | A5   | SZX23-0008880-0001.C005 | 深灰色磁芯 A5#         |
| SN6  | A6   | SZX23-0008880-0001.C006 | 银色金属 A6#          |

## 备注:

- (1) 1 mg/kg = 1 ppm = 0.0001%  
(2) MDL = 方法检测限  
(3) ND = 未检出 (< MDL)  
(4) "-" = 未规定

**欧盟 RoHS 指令 2011/65/EU 附录 II 的修正指令(EU) 2015/863- 铅、汞、镉、六价铬、多溴联苯(PBBs)、多溴二苯醚(PBDEs)、邻苯二甲酸二丁酯 (DBP)、邻苯二甲酸丁苄酯(BBP)、邻苯二甲酸二(2-乙基己基)酯 (DEHP)和邻苯二甲酸二异丁酯(DIBP)**

检测方法: 参考 IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015 和 IEC 62321-8:2017, 采用 ICP-OES, UV-Vis 和 GC-MS 进行分析。

| 检测项目          | 限值   | 单位    | MDL | A1 | A2 | A3 |
|---------------|------|-------|-----|----|----|----|
| 镉 (Cd)        | 100  | mg/kg | 2   | ND | ND | ND |
| 铅 (Pb)        | 1000 | mg/kg | 2   | ND | ND | ND |
| 汞 (Hg)        | 1000 | mg/kg | 2   | ND | ND | ND |
| 六价铬(Cr(VI))   | 1000 | mg/kg | 8   | ND | ND | ND |
| 多溴联苯之和(PBBs)  | 1000 | mg/kg | -   | ND | ND | ND |
| 一溴联苯(MonoBB)  | -    | mg/kg | 5   | ND | ND | ND |
| 二溴联苯(DiBB)    | -    | mg/kg | 5   | ND | ND | ND |
| 三溴联苯(TriBB)   | -    | mg/kg | 5   | ND | ND | ND |
| 四溴联苯(TetraBB) | -    | mg/kg | 5   | ND | ND | ND |
| 五溴联苯(PentaBB) | -    | mg/kg | 5   | ND | ND | ND |
| 六溴联苯(HexaBB)  | -    | mg/kg | 5   | ND | ND | ND |
| 七溴联苯(HeptaBB) | -    | mg/kg | 5   | ND | ND | ND |
| 八溴联苯(OctaBB)  | -    | mg/kg | 5   | ND | ND | ND |
| 九溴联苯(NonaBB)  | -    | mg/kg | 5   | ND | ND | ND |
| 十溴联苯(DecaBB)  | -    | mg/kg | 5   | ND | ND | ND |



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## 检测报告

编号: SZXEC23000888002

日期: 2023 年 06 月 13 日

第 3 页, 共 12 页

| 检测项目                   | 限值   | 单位    | MDL | A1 | A2 | A3 |
|------------------------|------|-------|-----|----|----|----|
| 多溴二苯醚之和(PBDEs)         | 1000 | mg/kg | -   | ND | ND | ND |
| 一溴二苯醚(MonoBDE)         | -    | mg/kg | 5   | ND | ND | ND |
| 二溴二苯醚(DiBDE)           | -    | mg/kg | 5   | ND | ND | ND |
| 三溴二苯醚(TriBDE)          | -    | mg/kg | 5   | ND | ND | ND |
| 四溴二苯醚(TetraBDE)        | -    | mg/kg | 5   | ND | ND | ND |
| 五溴二苯醚(PentaBDE)        | -    | mg/kg | 5   | ND | ND | ND |
| 六溴二苯醚(HexaBDE)         | -    | mg/kg | 5   | ND | ND | ND |
| 七溴二苯醚(HeptaBDE)        | -    | mg/kg | 5   | ND | ND | ND |
| 八溴二苯醚(OctaBDE)         | -    | mg/kg | 5   | ND | ND | ND |
| 九溴二苯醚(NonaBDE)         | -    | mg/kg | 5   | ND | ND | ND |
| 十溴二苯醚(DecaBDE)         | -    | mg/kg | 5   | ND | ND | ND |
| 邻苯二甲酸二丁酯 (DBP)         | 1000 | mg/kg | 50  | ND | ND | ND |
| 邻苯二甲酸丁苄酯 (BBP)         | 1000 | mg/kg | 50  | ND | ND | ND |
| 邻苯二甲酸二(2-乙基己基)酯 (DEHP) | 1000 | mg/kg | 50  | ND | ND | ND |
| 邻苯二甲酸二异丁酯 (DIBP)       | 1000 | mg/kg | 50  | ND | ND | ND |

| 检测项目            | 限值   | 单位    | MDL | A4 | A5 |
|-----------------|------|-------|-----|----|----|
| 镉 (Cd)          | 100  | mg/kg | 2   | ND | ND |
| 铅 (Pb)          | 1000 | mg/kg | 2   | ND | ND |
| 汞 (Hg)          | 1000 | mg/kg | 2   | ND | ND |
| 六价铬(Cr(VI))     | 1000 | mg/kg | 8   | ND | ND |
| 多溴联苯之和(PBBs)    | 1000 | mg/kg | -   | ND | ND |
| 一溴联苯(MonoBB)    | -    | mg/kg | 5   | ND | ND |
| 二溴联苯(DiBB)      | -    | mg/kg | 5   | ND | ND |
| 三溴联苯(TriBB)     | -    | mg/kg | 5   | ND | ND |
| 四溴联苯(TetraBB)   | -    | mg/kg | 5   | ND | ND |
| 五溴联苯(PentaBB)   | -    | mg/kg | 5   | ND | ND |
| 六溴联苯(HexaBB)    | -    | mg/kg | 5   | ND | ND |
| 七溴联苯(HeptaBB)   | -    | mg/kg | 5   | ND | ND |
| 八溴联苯(OctaBB)    | -    | mg/kg | 5   | ND | ND |
| 九溴联苯(NonaBB)    | -    | mg/kg | 5   | ND | ND |
| 十溴联苯(DecaBB)    | -    | mg/kg | 5   | ND | ND |
| 多溴二苯醚之和(PBDEs)  | 1000 | mg/kg | -   | ND | ND |
| 一溴二苯醚(MonoBDE)  | -    | mg/kg | 5   | ND | ND |
| 二溴二苯醚(DiBDE)    | -    | mg/kg | 5   | ND | ND |
| 三溴二苯醚(TriBDE)   | -    | mg/kg | 5   | ND | ND |
| 四溴二苯醚(TetraBDE) | -    | mg/kg | 5   | ND | ND |
| 五溴二苯醚(PentaBDE) | -    | mg/kg | 5   | ND | ND |
| 六溴二苯醚(HexaBDE)  | -    | mg/kg | 5   | ND | ND |
| 七溴二苯醚(HeptaBDE) | -    | mg/kg | 5   | ND | ND |
| 八溴二苯醚(OctaBDE)  | -    | mg/kg | 5   | ND | ND |
| 九溴二苯醚(NonaBDE)  | -    | mg/kg | 5   | ND | ND |
| 十溴二苯醚(DecaBDE)  | -    | mg/kg | 5   | ND | ND |



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## 检测报告

编号: SZXEC23000888002

日期: 2023 年 06 月 13 日

第 4 页, 共 12 页

| 检测项目                   | 限值   | 单位    | MDL | A4 | A5 |
|------------------------|------|-------|-----|----|----|
| 邻苯二甲酸二丁酯 (DBP)         | 1000 | mg/kg | 50  | ND | ND |
| 邻苯二甲酸丁苄酯 (BBP)         | 1000 | mg/kg | 50  | ND | ND |
| 邻苯二甲酸二(2-乙基己基)酯 (DEHP) | 1000 | mg/kg | 50  | ND | ND |
| 邻苯二甲酸二异丁酯 (DIBP)       | 1000 | mg/kg | 50  | ND | ND |

## 备注:

- (1) 最大允许极限值引用自 RoHS 指令(EU) 2015/863。  
 (2) IEC 62321 系列等同于 EN 62321 系列。  
 (3) 2021 年 7 月 22 号开始, DEHP, BBP, DBP 和 DIBP 的限制适用于医疗器械, 包括体外医疗器械, 监控仪表, 包括工业监测和控制仪器。

检测方法: 参考 IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-1:2015, IEC 62321-6:2015 和 IEC 62321-8:2017, 采用 ICP-OES, UV-Vis 和 GC-MS 进行分析。

| 检测项目            | 限值   | 单位                 | MDL  | A6 |
|-----------------|------|--------------------|------|----|
| 镉 (Cd)          | 100  | mg/kg              | 2    | ND |
| 铅 (Pb)          | 1000 | mg/kg              | 2    | 65 |
| 汞 (Hg)          | 1000 | mg/kg              | 2    | ND |
| 六价铬(Cr(VI)) ▼   | -    | µg/cm <sup>2</sup> | 0.10 | ND |
| 多溴联苯之和(PBBs)    | 1000 | mg/kg              | -    | ND |
| 一溴联苯(MonoBB)    | -    | mg/kg              | 5    | ND |
| 二溴联苯(DiBB)      | -    | mg/kg              | 5    | ND |
| 三溴联苯(TriBB)     | -    | mg/kg              | 5    | ND |
| 四溴联苯(TetraBB)   | -    | mg/kg              | 5    | ND |
| 五溴联苯(PentaBB)   | -    | mg/kg              | 5    | ND |
| 六溴联苯(HexaBB)    | -    | mg/kg              | 5    | ND |
| 七溴联苯(HeptaBB)   | -    | mg/kg              | 5    | ND |
| 八溴联苯(OctaBB)    | -    | mg/kg              | 5    | ND |
| 九溴联苯(NonaBB)    | -    | mg/kg              | 5    | ND |
| 十溴联苯(DecaBB)    | -    | mg/kg              | 5    | ND |
| 多溴二苯醚之和(PBDEs)  | 1000 | mg/kg              | -    | ND |
| 一溴二苯醚(MonoBDE)  | -    | mg/kg              | 5    | ND |
| 二溴二苯醚(DiBDE)    | -    | mg/kg              | 5    | ND |
| 三溴二苯醚(TriBDE)   | -    | mg/kg              | 5    | ND |
| 四溴二苯醚(TetraBDE) | -    | mg/kg              | 5    | ND |
| 五溴二苯醚(PentaBDE) | -    | mg/kg              | 5    | ND |
| 六溴二苯醚(HexaBDE)  | -    | mg/kg              | 5    | ND |
| 七溴二苯醚(HeptaBDE) | -    | mg/kg              | 5    | ND |
| 八溴二苯醚(OctaBDE)  | -    | mg/kg              | 5    | ND |
| 九溴二苯醚(NonaBDE)  | -    | mg/kg              | 5    | ND |
| 十溴二苯醚(DecaBDE)  | -    | mg/kg              | 5    | ND |
| 邻苯二甲酸二丁酯 (DBP)  | 1000 | mg/kg              | 50   | ND |



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## 检测报告

编号: SZXEC23000888002

日期: 2023 年 06 月 13 日

第 5 页, 共 12 页

| 检测项目                   | 限值   | 单位    | MDL | A6 |
|------------------------|------|-------|-----|----|
| 邻苯二甲酸丁苄酯 (BBP)         | 1000 | mg/kg | 50  | ND |
| 邻苯二甲酸二(2-乙基己基)酯 (DEHP) | 1000 | mg/kg | 50  | ND |
| 邻苯二甲酸二异丁酯 (DIBP)       | 1000 | mg/kg | 50  | ND |

## 备注:

- (1) 最大允许极限值引用自RoHS指令(EU) 2015/863。
- (2) IEC 62321系列等同于 EN 62321系列。
- (3) ▽ = a. 当六价铬的浓度高于0.13  $\mu\text{g}/\text{cm}^2$ 时, 样品为阳性, 即含有六价铬;  
b. 当六价铬的浓度为ND (低于0.10  $\mu\text{g}/\text{cm}^2$ ) 时, 样品为阴性, 即未检测到六价铬;  
c. 当六价铬的浓度介于0.10  $\mu\text{g}/\text{cm}^2$ 与0.13  $\mu\text{g}/\text{cm}^2$ 之间时, 无法直接判定是否检测到六价铬, 因不同个体的样品表面差异可能会影响测定结果。

由于未获知样品的存储条件和生产日期, 样品的六价铬检测结果仅能代表测试时样品含六价铬的状态。

除非另有说明, 参照 ILAC-G8:09/2019, 使用简单接受 ( $w=0$ ) 的二元判定规则进行符合性判定。

除非另有说明, 此报告结果仅对检测的样品负责。本报告未经本公司书面许可, 不可部分复制。

检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的, 仅供内部参考。



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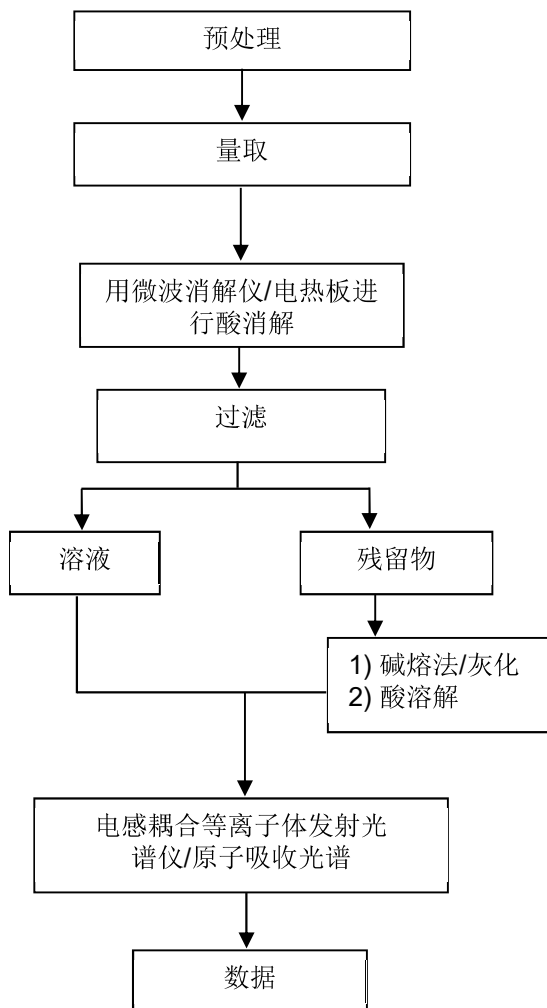
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## 元素检测流程图

样品按照下述流程被完全消解



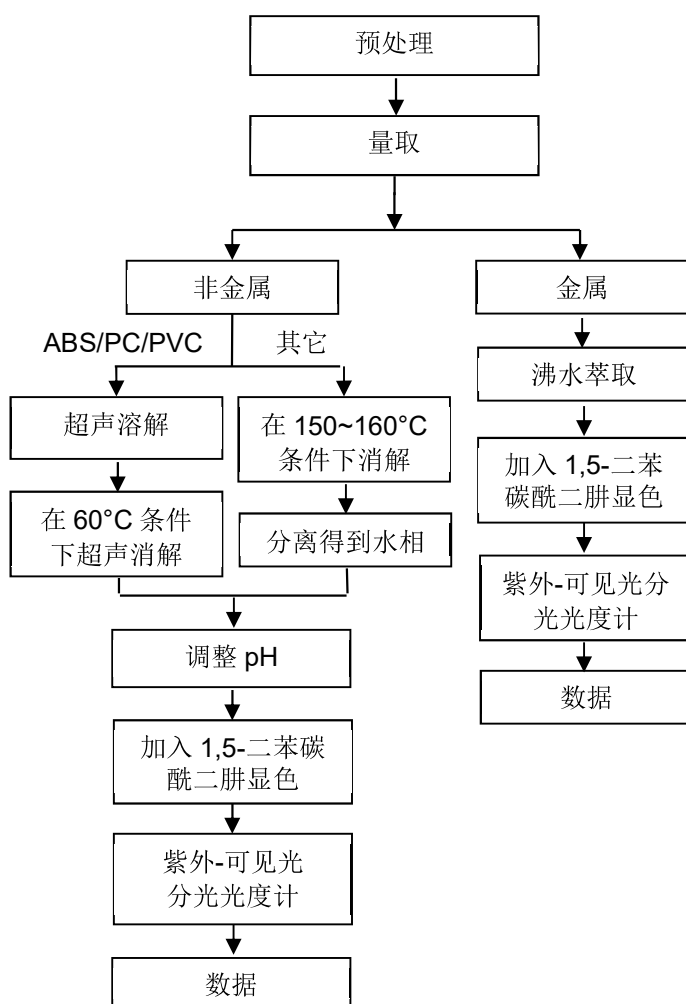
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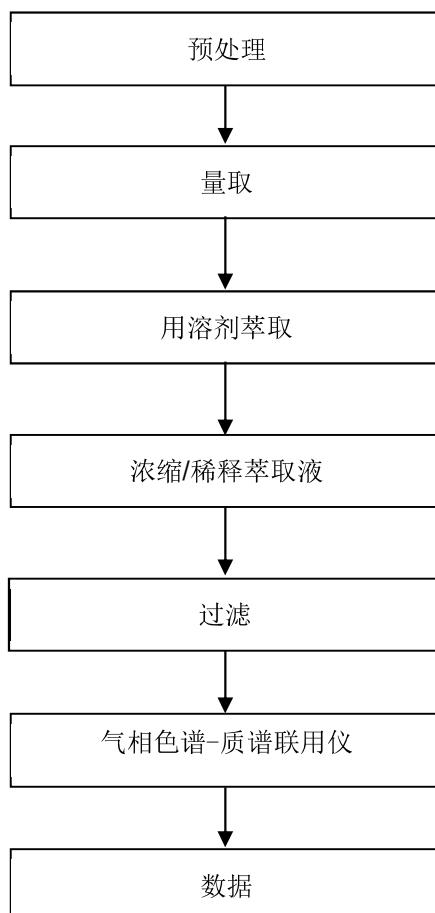
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## 六价铬检测流程图



## PBBs/PBDEs 检测流程图



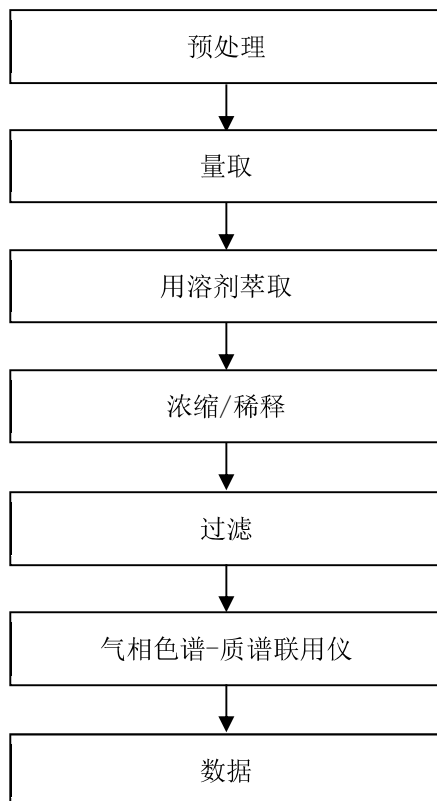
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## Phthalates 检测流程图



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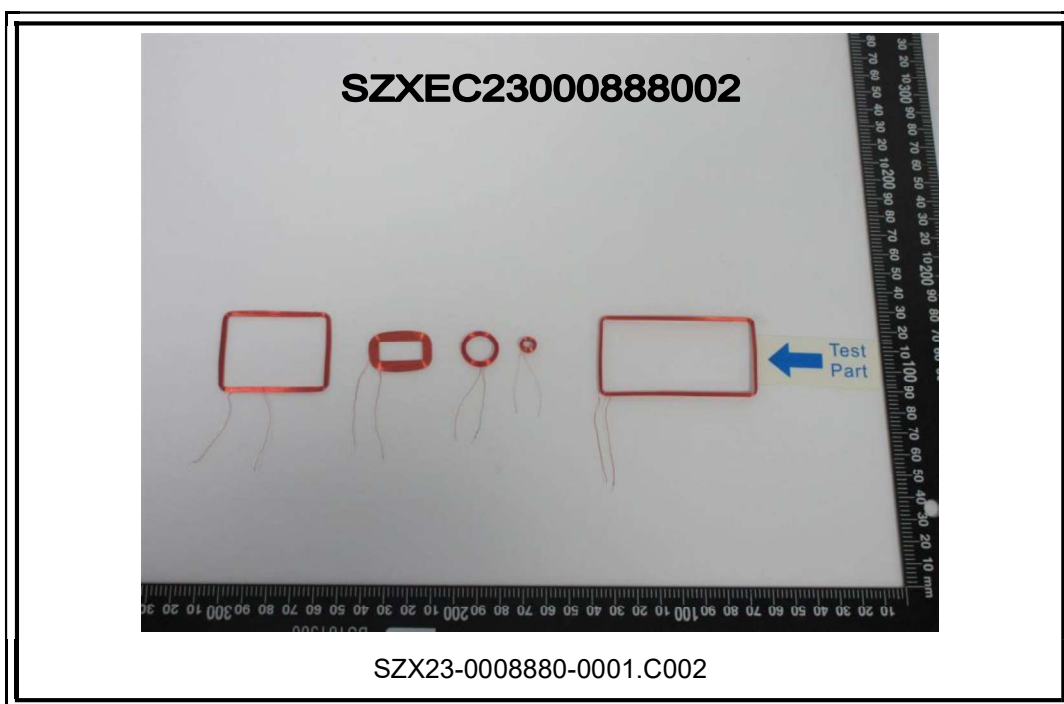
## 检测报告

编号: SZXEC23000888002

日期: 2023 年 06 月 13 日

第 10 页, 共 12 页

样品照片:



SGS-CTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Testing Center Chemical Laboratory

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## 检测报告

编号: SZXEC23000888002

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## 检测报告

编号: SZXEC23000888002

日期: 2023 年 06 月 13 日

第 12 页, 共 12 页



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## Test Report

No.: SZXEC23000888003

Date: Jun 13, 2023

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Client Name: DONGGUAN FINE ELECTRONICS LIMITED

Client Address: 194 KEJI EAST ROAD, SHIJIE TOWN, DONGGUAN CITY, GUANGDONG PROVINCE

Sample Name: Coil

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

SGS Job No.: SZP23-001370

Sample Receiving Date: May 15, 2023

Testing Period: May 15, 2023 ~ May 24, 2023

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  |
|------------------|-------------|
| Halogen          | See Results |

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



49B63686



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# Test Report

No.: SZXEC23000888003

Date: Jun 13, 2023

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## Test Result(s):

### Test Part Description:

| SN ID | Sample No. | SGS Sample ID           | Description                                                      |
|-------|------------|-------------------------|------------------------------------------------------------------|
| SN1   | A1         | SZX23-0008880-0001.C001 | Copper-colored metal wire with colorless transparent surface A1# |
| SN2   | A2         | SZX23-0008880-0001.C002 | Silvery metal wire with red surface A2#                          |
| SN3   | A3         | SZX23-0008880-0001.C003 | White material A3#                                               |
| SN4   | A4         | SZX23-0008880-0001.C004 | White material A4#                                               |
| SN5   | A5         | SZX23-0008880-0001.C005 | Dark grey core A5#                                               |
| SN6   | A6         | SZX23-0008880-0001.C006 | Silvery metal A6#                                                |

### Remarks:

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

## Halogen

Test Method: With reference to EN 14582:2016, analysis was performed by IC.

| Test Item(s) | Unit(s) | MDL | A1 | A2 | A3 |
|--------------|---------|-----|----|----|----|
| Fluorine(F)  | mg/kg   | 20  | ND | ND | ND |
| Chlorine(Cl) | mg/kg   | 50  | ND | ND | 70 |
| Bromine(Br)  | mg/kg   | 50  | ND | ND | ND |
| Iodine(I)    | mg/kg   | 50  | ND | ND | ND |

| Test Item(s) | Unit(s) | MDL | A4  | A5 | A6 |
|--------------|---------|-----|-----|----|----|
| Fluorine(F)  | mg/kg   | 20  | ND  | ND | ND |
| Chlorine(Cl) | mg/kg   | 50  | 130 | ND | ND |
| Bromine(Br)  | mg/kg   | 50  | ND  | ND | ND |
| Iodine(I)    | mg/kg   | 50  | ND  | ND | ND |

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.



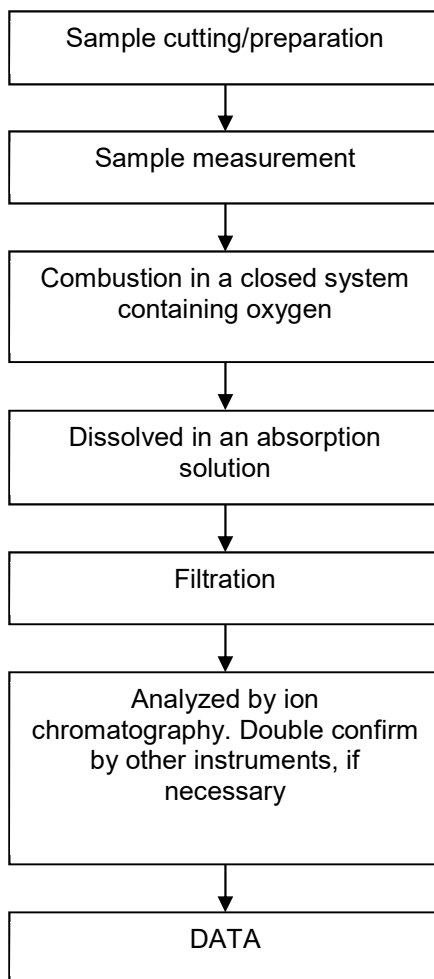
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## Halogen Testing Flow Chart



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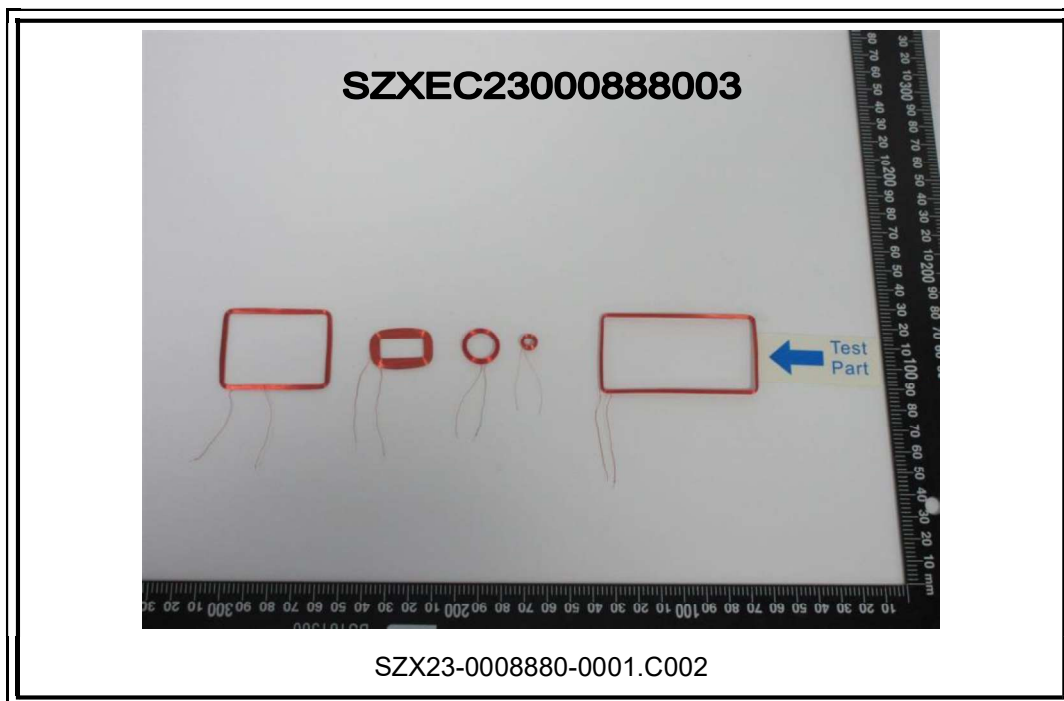
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Date: Jun 13, 2023

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Sample Photo:



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No.: SZXEC23000888003

Date: Jun 13, 2023

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No.: SZXEC23000888003

Date: Jun 13, 2023

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## 检测报告

编号: SZXEC23000888004

日期: 2023 年 06 月 13 日

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客户地址: 广东省东莞市石碣镇科技东路 194 号

样品名称: 线圈  
以上样品及信息由客户提供。

SGS 工作编号: SZP23-001370  
样品接收时间: 2023 年 05 月 15 日  
检测周期: 2023 年 05 月 15 日 ~ 2023 年 05 月 24 日  
检测要求: 根据客户要求检测  
检测方法: 见后续页。  
检测结果: 见后续页。

| 检测要求 | 结论    |
|------|-------|
| 卤素   | 见检测结果 |

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## 检测报告

编号: SZXEC23000888004

日期: 2023 年 06 月 13 日

第 2 页, 共 6 页

## 检测结果:

## 检测部件外观描述:

| 样品序号 | 样品编号 | SGS 样品 ID               | 样品描述              |
|------|------|-------------------------|-------------------|
| SN1  | A1   | SZX23-0008880-0001.C001 | 带无色透明表层的铜色金属线 A1# |
| SN2  | A2   | SZX23-0008880-0001.C002 | 带红色表层的银色金属线 A2#   |
| SN3  | A3   | SZX23-0008880-0001.C003 | 白色材料 A3#          |
| SN4  | A4   | SZX23-0008880-0001.C004 | 白色材料 A4#          |
| SN5  | A5   | SZX23-0008880-0001.C005 | 深灰色磁芯 A5#         |
| SN6  | A6   | SZX23-0008880-0001.C006 | 银色金属 A6#          |

## 备注:

- (1) 1 mg/kg = 1 ppm = 0.0001%  
(2) MDL = 方法检测限  
(3) ND = 未检出 (< MDL)  
(4) "-" = 未规定

## 卤素

检测方法: 参考 EN 14582:2016, 采用 IC 进行分析。

| 检测项目   | 单位    | MDL | A1 | A2 | A3 |
|--------|-------|-----|----|----|----|
| 氟 (F)  | mg/kg | 20  | ND | ND | ND |
| 氯 (Cl) | mg/kg | 50  | ND | ND | 70 |
| 溴 (Br) | mg/kg | 50  | ND | ND | ND |
| 碘 (I)  | mg/kg | 50  | ND | ND | ND |

| 检测项目   | 单位    | MDL | A4  | A5 | A6 |
|--------|-------|-----|-----|----|----|
| 氟 (F)  | mg/kg | 20  | ND  | ND | ND |
| 氯 (Cl) | mg/kg | 50  | 130 | ND | ND |
| 溴 (Br) | mg/kg | 50  | ND  | ND | ND |
| 碘 (I)  | mg/kg | 50  | ND  | ND | ND |

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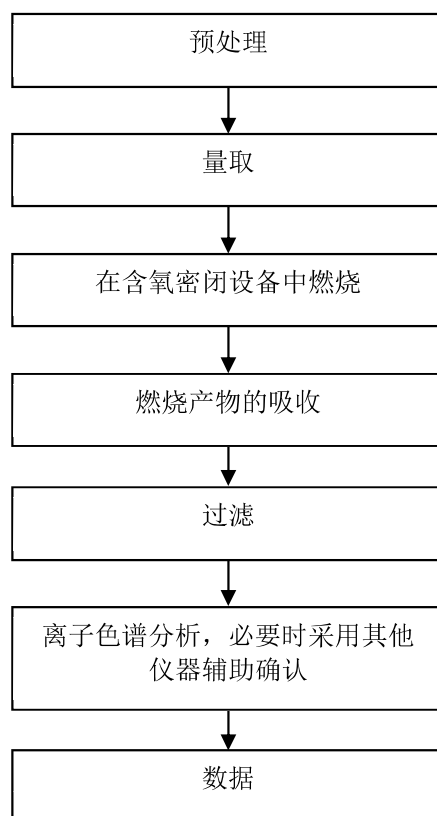
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## 卤素检测流程图



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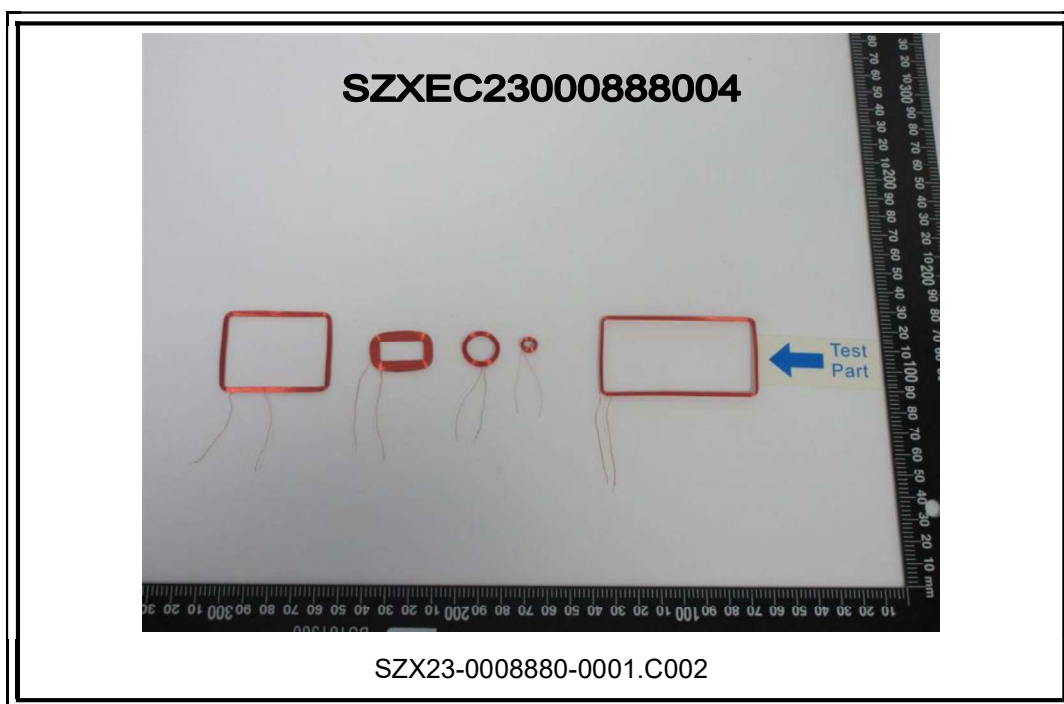
## 检测报告

编号: SZXEC23000888004

日期: 2023 年 06 月 13 日

第 4 页, 共 6 页

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## Test Report (SVHC)

No.: SZXEC23000888005

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Client Name: DONGGUAN FINE ELECTRONICS LIMITED

Client Address: 194 KEJI EAST ROAD, SHIJIE TOWN, DONGGUAN CITY, GUANGDONG PROVINCE

Sample Name: Coil

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

SGS Job No.: SZP23-001370

Sample Receiving Date: May 15, 2023

Testing Period: May 15, 2023 ~ May 24, 2023

Test Requested: As requested by client, SVHC screening is performed according to:  
(i) Two hundred and thirty-three (233) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Jan 17, 2023 regarding Regulation (EC) No 1907/2006 concerning the REACH.  
(ii) One (1) potential Substances of Very High Concern (SVHC) in the notification of WTO on Jun 1, 2021.  
(iii) Two (2) substances in the Public Consultation List of potential Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) on and before Feb 17, 2023 regarding Regulation (EC) No 1907/2006 concerning the REACH.

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

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

### Summary:

|                                                                                                                                     |      |
|-------------------------------------------------------------------------------------------------------------------------------------|------|
| According to the specified scope and evaluation screening, the test results of SVHC are $\leq 0.1\%$ (w/w) in the submitted sample. | 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



C9FAC476



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## Test Report (SVHC)

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### Remark :

1. The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA:  
<http://echa.europa.eu/web/guest/candidate-list-table>  
These lists are under evaluation by ECHA and may subject to change in the future.

### 2. REACH obligation:

#### 2.1 Concerning article(s):

##### Communication:

Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance in the Candidate List.

##### Notification:

In accordance with Regulation (EC) No 1907/2006, any EU producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance in the Candidate List is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance in the Candidate List is present in those articles above a concentration of 0.1% weight by weight (w/w).

SGS adopts the ruling of the Court of Justice of the European Union on the definition of an article under REACH unless indicated otherwise. Detail explanation is available at the following link:  
<http://www.sgs.com/-/media/global/documents/technical-documents/technical-bulletins/sgs-crs-position-statement-on-svhc-in-articles-a4-en-16-06.pdf?la=en>

#### 2.2 Concerning material(s):

Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogenous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article.

If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No. 1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.

#### 2.3 Concerning substance and preparation:

If a SVHC is found over 0.1% (w/w) and/or the specific concentration limit which is set in Regulation (EC) No 1272/2008 and its amendments, client is suggested to prepare a Safety Data Sheet (SDS) against the SVHC to comply with the supply chain communication obligation under Regulation (EC) No 1907/2006, in which:

- a substance that is classified as hazardous under the CLP Regulation (EC) No 1272/2008.
- a mixture that is classified as hazardous under the CLP Regulation (EC) No 1272/2008, when it contains a substance with concentration equal to, or greater than the classification limit as set in Regulation (EC) No. 1272/2008; or
- a mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008, but contains either:



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## Test Report (SVHC)

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- (a) a substance posing human health or environmental hazards in an individual concentration of  $\geq 1\%$  by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures) or  $\geq 0.2\%$  by volume for gaseous mixtures; or
- (b) a substance that is PBT, or vPvB in an individual concentration of  $\geq 0.1\%$  by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures); or
- (c) a substance on the SVHC candidate list (for reasons other than those listed above), in an individual concentration of  $\geq 0.1\%$  by weight for non-gaseous mixtures; or
- (d) a substance for which there are Europe-wide workplace exposure limits

3. If a SVHC is found over the reporting limit, client is suggested to identify the composite component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

### Test Sample:

### Testing Group:

| Test Result ID | Description                                                                                                                                                  | Test Part ID | SGS Sample ID           |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------|
| 001            | Copper-colored metal wire with colorless transparent surface A#+Silvery metal wire with red surface B#+White material C#+White material D#+Dark grey core E# | A7           | SZX23-0008880-0001.C007 |

### Test Method:

With reference to SGS In-House method, analysis was performed by ICP-OES, UV-VIS, GC-MS, HPLC-DAD/MS and Colorimetric Method.



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## Test Results: (Substances in the Candidate List of SVHC)

| Batch | Substance Name                    | CAS No. | 001<br>Concentration (%) | RL (%) |
|-------|-----------------------------------|---------|--------------------------|--------|
| -     | All tested SVHC in Candidate list | -       | ND                       | -      |

## Test Results: (Potential SVHC)

| Batch | Substance Name            | CAS No. | 001<br>Concentration (%) | RL (%) |
|-------|---------------------------|---------|--------------------------|--------|
| /     | All tested Potential SVHC | -       | ND                       | -      |

### Notes:

- (1) The table above only shows detected SVHC, and SVHC that below RL are not reported. Please refer to Appendix for the full list of tested SVHC.
- (2) RL = Reporting Limit (Test data will be shown if it  $\geq$  RL. RL is not regulatory limit.)  
ND = Not detected (lower than RL), ND is denoted on the SVHC substance.
- (3) \* The test result is based on the calculation of selected element(s) and to the worst-case scenario.  
\*\* The test result is based on the calculation of selected marker(s) and to the worst-case scenario.  
Calculated concentration of boric compounds are based on water extractive boron detected by ICP-OES.  
Calculated concentration of Barium diboron tetraoxide is based on water extractive boron and barium detected by ICP-OES.  
RL = 0.005% is evaluated for element (i.e. cobalt, arsenic, lead, chromium (VI), aluminum, zirconium, boron, strontium, zinc, antimony, titanium, barium, cadmium respectively), except molybdenum  
RL=0.0005%, boron RL=0.0025% (only for Lead bis(tetrafluoroborate)), fluorine RL=0.050%.
- (4) § The substance is proposed for the identification as SVHC only where it contains Michler's ketone (CAS Number: 90-94-8) or Michler's base (CAS Number: 101-61-1)  $\geq 0.1\%$  (w/w).
- (5) / = Potential SVHC
- (6) Composite test has been performed in equal proportion for the components/material per client requested. And the result is calculated using the minimum sample weight.

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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### Appendix

#### Full list of tested SVHC:

| Batch | No. | Substance Name                                                                                                               | CAS No.                                | RL (%) |
|-------|-----|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--------|
| I     | 1   | 4,4'-Diaminodiphenylmethane(MDA)                                                                                             | 101-77-9                               | 0.050  |
| I     | 2   | 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)                                                                           | 81-15-2                                | 0.050  |
| I     | 3   | Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)                                                                  | 85535-84-8                             | 0.050  |
| I     | 4   | Anthracene                                                                                                                   | 120-12-7                               | 0.050  |
| I     | 5   | Benzyl butyl phthalate (BBP)                                                                                                 | 85-68-7                                | 0.050  |
| I     | 6   | Bis(2-ethylhexyl)phthalate (DEHP)                                                                                            | 117-81-7                               | 0.050  |
| I     | 7   | Bis(tributyltin)oxide (TBTO)                                                                                                 | 56-35-9                                | 0.050  |
| I     | 8   | Cobalt dichloride*                                                                                                           | 7646-79-9                              | 0.005  |
| I     | 9   | Diarsenic pentaoxide*                                                                                                        | 1303-28-2                              | 0.005  |
| I     | 10  | Diarsenic trioxide*                                                                                                          | 1327-53-3                              | 0.005  |
| I     | 11  | Dibutyl phthalate (DBP)                                                                                                      | 84-74-2                                | 0.050  |
| I     | 12  | Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified ( $\alpha$ -HBCDD, $\beta$ -HBCDD, $\gamma$ -HBCDD) | -                                      | 0.050  |
| I     | 13  | Lead hydrogen arsenate*                                                                                                      | 7784-40-9                              | 0.005  |
| I     | 14  | Sodium dichromate*                                                                                                           | 10588-01-9<br>/7789-12-0               | 0.005  |
| I     | 15  | Triethyl arsenate*                                                                                                           | 15606-95-8                             | 0.005  |
| II    | 16  | 2,4-Dinitrotoluene                                                                                                           | 121-14-2                               | 0.050  |
| II    | 17  | Acrylamide                                                                                                                   | 79-06-1                                | 0.050  |
| II    | 18  | Anthracene oil**                                                                                                             | 90640-80-5                             | 0.050  |
| II    | 19  | Anthracene oil, anthracene paste**                                                                                           | 90640-81-6                             | 0.050  |
| II    | 20  | Anthracene oil, anthracene paste, anthracene fraction**                                                                      | 91995-15-2                             | 0.050  |
| II    | 21  | Anthracene oil, anthracene paste, distn. Lights**                                                                            | 91995-17-4                             | 0.050  |
| II    | 22  | Anthracene oil, anthracene-low**                                                                                             | 90640-82-7                             | 0.050  |
| II    | 23  | Diisobutyl phthalate                                                                                                         | 84-69-5                                | 0.050  |
| II    | 24  | Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*                                                                 | 12656-85-8                             | 0.005  |
| II    | 25  | Lead chromate*                                                                                                               | 7758-97-6                              | 0.005  |
| II    | 26  | Lead sulfochromate yellow (C.I. Pigment Yellow 34)*                                                                          | 1344-37-2                              | 0.005  |
| II    | 27  | Pitch, coal tar, high temp. **                                                                                               | 65996-93-2                             | 0.050  |
| II    | 28  | Tris(2-chloroethyl)phosphate                                                                                                 | 115-96-8                               | 0.050  |
| III   | 29  | Ammonium dichromate*                                                                                                         | 7789-09-5                              | 0.005  |
| III   | 30  | Boric acid*                                                                                                                  | -                                      | 0.005  |
| III   | 31  | Disodium tetraborate, anhydrous*                                                                                             | 12179-04-3<br>/1303-96-4<br>/1330-43-4 | 0.005  |
| III   | 32  | Potassium chromate*                                                                                                          | 7789-00-6                              | 0.005  |
| III   | 33  | Potassium dichromate*                                                                                                        | 7778-50-9                              | 0.005  |
| III   | 34  | Sodium chromate*                                                                                                             | 7775-11-3                              | 0.005  |
| III   | 35  | Tetraboron disodium heptaoxide, hydrate*                                                                                     | 12267-73-1                             | 0.005  |



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# Test Report (SVHC)

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| Batch | No. | Substance Name                                                                                                                             | CAS No.                | RL (%) |
|-------|-----|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------|
| III   | 36  | Trichloroethylene                                                                                                                          | 79-01-6                | 0.050  |
| IV    | 37  | 2-Ethoxyethanol                                                                                                                            | 110-80-5               | 0.050  |
| IV    | 38  | 2-Methoxyethanol                                                                                                                           | 109-86-4               | 0.050  |
| IV    | 39  | Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid*                                                                | -                      | 0.005  |
| IV    | 40  | Chromium trioxide*                                                                                                                         | 1333-82-0              | 0.005  |
| IV    | 41  | Cobalt(II) carbonate*                                                                                                                      | 513-79-1               | 0.005  |
| IV    | 42  | Cobalt(II) diacetate*                                                                                                                      | 71-48-7                | 0.005  |
| IV    | 43  | Cobalt(II) dinitrate*                                                                                                                      | 10141-05-6             | 0.005  |
| IV    | 44  | Cobalt(II) sulphate*                                                                                                                       | 10124-43-3             | 0.005  |
| V     | 45  | 1,2,3-trichloropropane                                                                                                                     | 96-18-4                | 0.050  |
| V     | 46  | 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich                                                                       | 71888-89-6             | 0.050  |
| V     | 47  | 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters                                                                    | 68515-42-4             | 0.050  |
| V     | 48  | 1-methyl-2-pyrrolidone                                                                                                                     | 872-50-4               | 0.050  |
| V     | 49  | 2-ethoxyethyl acetate                                                                                                                      | 111-15-9               | 0.050  |
| V     | 50  | Hydrazine                                                                                                                                  | 302-01-2<br>/7803-57-8 | 0.050  |
| V     | 51  | strontium chromate*                                                                                                                        | 7789-06-2              | 0.005  |
| VI    | 52  | 1,2-Dichloroethane                                                                                                                         | 107-06-2               | 0.050  |
| VI    | 53  | 2,2'-dichloro-4,4'-methylenedianiline                                                                                                      | 101-14-4               | 0.050  |
| VI    | 54  | 2-Methoxyaniline; o-Anisidine                                                                                                              | 90-04-0                | 0.050  |
| VI    | 55  | 4-(1,1,3,3-tetramethylbutyl)phenol                                                                                                         | 140-66-9               | 0.050  |
| VI    | 56  | Aluminosilicate Refractory Ceramic Fibres*                                                                                                 | -                      | 0.005  |
| VI    | 57  | Arsenic acid*                                                                                                                              | 7778-39-4              | 0.005  |
| VI    | 58  | Bis(2-methoxyethyl) ether                                                                                                                  | 111-96-6               | 0.050  |
| VI    | 59  | Bis(2-methoxyethyl) phthalate                                                                                                              | 117-82-8               | 0.050  |
| VI    | 60  | Calcium arsenate*                                                                                                                          | 7778-44-1              | 0.005  |
| VI    | 61  | Dichromium tris(chromate)*                                                                                                                 | 24613-89-6             | 0.005  |
| VI    | 62  | Formaldehyde, oligomeric reaction products with aniline                                                                                    | 25214-70-4             | 0.050  |
| VI    | 63  | Lead diazide, Lead azide*                                                                                                                  | 13424-46-9             | 0.005  |
| VI    | 64  | Lead dipicrate*                                                                                                                            | 6477-64-1              | 0.005  |
| VI    | 65  | Lead styphnate*                                                                                                                            | 15245-44-0             | 0.005  |
| VI    | 66  | N,N-dimethylacetamide                                                                                                                      | 127-19-5               | 0.050  |
| VI    | 67  | Pentazinc chromate octahydroxide*                                                                                                          | 49663-84-5             | 0.005  |
| VI    | 68  | Phenolphthalein                                                                                                                            | 77-09-8                | 0.050  |
| VI    | 69  | Potassium hydroxyoctaoxodizincatedichromate*                                                                                               | 11103-86-9             | 0.005  |
| VI    | 70  | Trilead diarsenate*                                                                                                                        | 3687-31-8              | 0.005  |
| VI    | 71  | Zirconia Aluminosilicate Refractory Ceramic Fibres*                                                                                        | -                      | 0.005  |
| VII   | 72  | [4-[[4-anilino-1-naphthyl]]4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)§ | 2580-56-5              | 0.050  |



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| Batch | No. | Substance Name                                                                                                                   | CAS No.     | RL (%) |
|-------|-----|----------------------------------------------------------------------------------------------------------------------------------|-------------|--------|
| VII   | 73  | [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) §       | 548-62-9    | 0.050  |
| VII   | 74  | 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)                                                                                | 112-49-2    | 0.050  |
| VII   | 75  | 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)                                                                      | 110-71-4    | 0.050  |
| VII   | 76  | 4,4'-bis(dimethylamino) benzophenone (Michler's Ketone)                                                                          | 90-94-8     | 0.050  |
| VII   | 77  | 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol§                                                                         | 561-41-1    | 0.050  |
| VII   | 78  | Diboron trioxide*                                                                                                                | 1303-86-2   | 0.005  |
| VII   | 79  | Formamide                                                                                                                        | 75-12-7     | 0.050  |
| VII   | 80  | Lead(II) bis(methanesulfonate)*                                                                                                  | 17570-76-2  | 0.005  |
| VII   | 81  | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)                                                                   | 101-61-1    | 0.050  |
| VII   | 82  | TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)                                                         | 2451-62-9   | 0.050  |
| VII   | 83  | α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) §                                   | 6786-83-0   | 0.050  |
| VII   | 84  | β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)                                          | 59653-74-6  | 0.050  |
| VIII  | 85  | [Phthalato(2-)]dioxotrilead*                                                                                                     | 69011-06-9  | 0.005  |
| VIII  | 86  | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear                                                                 | 84777-06-0  | 0.050  |
| VIII  | 87  | 1,2-Diethoxyethane                                                                                                               | 629-14-1    | 0.050  |
| VIII  | 88  | 1-Bromopropane                                                                                                                   | 106-94-5    | 0.050  |
| VIII  | 89  | 3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine                                                                               | 143860-04-2 | 0.050  |
| VIII  | 90  | 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated                                                                                  | -           | 0.050  |
| VIII  | 91  | 4,4'-Methylenedi-o-toluidine                                                                                                     | 838-88-0    | 0.050  |
| VIII  | 92  | 4,4'-Oxydianiline and its salts                                                                                                  | 101-80-4    | 0.050  |
| VIII  | 93  | 4-Aminoazobenzene                                                                                                                | 60-09-3     | 0.050  |
| VIII  | 94  | 4-Methyl-m-phenylenediamine                                                                                                      | 95-80-7     | 0.050  |
| VIII  | 95  | 4-Nonylphenol, branched and linear                                                                                               | -           | 0.050  |
| VIII  | 96  | 6-Methoxy-m-toluidine                                                                                                            | 120-71-8    | 0.050  |
| VIII  | 97  | Acetic acid, lead salt, basic*                                                                                                   | 51404-69-4  | 0.005  |
| VIII  | 98  | Biphenyl-4-ylamine                                                                                                               | 92-67-1     | 0.050  |
| VIII  | 99  | Decabromodiphenyl ether (DecaBDE)                                                                                                | 1163-19-5   | 0.050  |
| VIII  | 100 | Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride | -           | 0.050  |
| VIII  | 101 | Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))                                                                                | 123-77-3    | 0.050  |



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| Batch | No. | Substance Name                                                                                                                                               | CAS No.     | RL (%) |
|-------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------|
| VIII  | 102 | Dibutyltin dichloride (DBTC)                                                                                                                                 | 683-18-1    | 0.050  |
| VIII  | 103 | Diethyl sulphate                                                                                                                                             | 64-67-5     | 0.050  |
| VIII  | 104 | Diisopentylphthalate                                                                                                                                         | 605-50-5    | 0.050  |
| VIII  | 105 | Dimethyl sulphate                                                                                                                                            | 77-78-1     | 0.050  |
| VIII  | 106 | Dinoseb                                                                                                                                                      | 88-85-7     | 0.050  |
| VIII  | 107 | Dioxobis(stearato)trilead*                                                                                                                                   | 12578-12-0  | 0.005  |
| VIII  | 108 | Fatty acids, C16-18, lead salts*                                                                                                                             | 91031-62-8  | 0.005  |
| VIII  | 109 | Furan                                                                                                                                                        | 110-00-9    | 0.050  |
| VIII  | 110 | Henicosafuoroundecanoic acid                                                                                                                                 | 2058-94-8   | 0.050  |
| VIII  | 111 | Heptacosafuorotetradecanoic acid                                                                                                                             | 376-06-7    | 0.050  |
| VIII  | 112 | Hexahydromethylphthalic anhydride,<br>Hexahydro-4-methylphthalic anhydride,<br>Hexahydro-1-methylphthalic anhydride,<br>Hexahydro-3-methylphthalic anhydride | -           | 0.050  |
| VIII  | 113 | Lead bis(tetrafluoroborate)*                                                                                                                                 | 13814-96-5  | 0.005  |
| VIII  | 114 | Lead cyanamide*                                                                                                                                              | 20837-86-9  | 0.005  |
| VIII  | 115 | Lead dinitrate*                                                                                                                                              | 10099-74-8  | 0.005  |
| VIII  | 116 | Lead monoxide*                                                                                                                                               | 1317-36-8   | 0.005  |
| VIII  | 117 | Lead oxide sulfate*                                                                                                                                          | 12036-76-9  | 0.005  |
| VIII  | 118 | Lead tetroxide (orange lead)*                                                                                                                                | 1314-41-6   | 0.005  |
| VIII  | 119 | Lead titanium trioxide*                                                                                                                                      | 12060-00-3  | 0.005  |
| VIII  | 120 | Lead titanium zirconium oxide*                                                                                                                               | 12626-81-2  | 0.005  |
| VIII  | 121 | Methoxyacetic acid                                                                                                                                           | 625-45-6    | 0.050  |
| VIII  | 122 | Methyloxirane (Propylene oxide)                                                                                                                              | 75-56-9     | 0.050  |
| VIII  | 123 | N,N-Dimethylformamide                                                                                                                                        | 68-12-2     | 0.050  |
| VIII  | 124 | N-Methylacetamide                                                                                                                                            | 79-16-3     | 0.050  |
| VIII  | 125 | N-Pentyl-isopentylphthalate                                                                                                                                  | 776297-69-9 | 0.050  |
| VIII  | 126 | o-Aminoazotoluene                                                                                                                                            | 97-56-3     | 0.050  |
| VIII  | 127 | o-Toluidine                                                                                                                                                  | 95-53-4     | 0.050  |
| VIII  | 128 | Pentacosafuorotridecanoic acid                                                                                                                               | 72629-94-8  | 0.050  |
| VIII  | 129 | Pentalead tetraoxide sulphate*                                                                                                                               | 12065-90-6  | 0.005  |
| VIII  | 130 | Pyrochlore, antimony lead yellow*                                                                                                                            | 8012-00-8   | 0.005  |
| VIII  | 131 | Silicic acid, barium salt, lead-doped*                                                                                                                       | 68784-75-8  | 0.005  |
| VIII  | 132 | Silicic acid, lead salt*                                                                                                                                     | 11120-22-2  | 0.005  |
| VIII  | 133 | Sulfurous acid, lead salt, dibasic*                                                                                                                          | 62229-08-7  | 0.005  |
| VIII  | 134 | Tetraethyllead*                                                                                                                                              | 78-00-2     | 0.005  |
| VIII  | 135 | Tetralead trioxide sulphate*                                                                                                                                 | 12202-17-4  | 0.005  |
| VIII  | 136 | Tricosafuorododecanoic acid                                                                                                                                  | 307-55-1    | 0.050  |
| VIII  | 137 | Trilead bis(carbonate)dihydroxide (basic lead carbonate)*                                                                                                    | 1319-46-6   | 0.005  |
| VIII  | 138 | Trilead dioxide phosphonate*                                                                                                                                 | 12141-20-7  | 0.005  |
| IX    | 139 | 4-Nonylphenol, branched and linear,<br>ethoxylated                                                                                                           | -           | 0.050  |
| IX    | 140 | Ammonium pentadecafluorooctanoate<br>(APFO)**                                                                                                                | 3825-26-1   | 0.050  |
| IX    | 141 | Cadmium oxide*                                                                                                                                               | 1306-19-0   | 0.005  |
| IX    | 142 | Cadmium                                                                                                                                                      | 7440-43-9   | 0.005  |
| IX    | 143 | Dipentyl phthalate (DPP)                                                                                                                                     | 131-18-0    | 0.050  |



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| Batch | No. | Substance Name                                                                                                                                                                                                                                           | CAS No.                   | RL (%) |
|-------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------|
| IX    | 144 | Pentadecafluorooctanoic acid (PFOA)                                                                                                                                                                                                                      | 335-67-1                  | 0.050  |
| X     | 145 | Cadmium sulphide*                                                                                                                                                                                                                                        | 1306-23-6                 | 0.005  |
| X     | 146 | Dihexyl phthalate                                                                                                                                                                                                                                        | 84-75-3                   | 0.050  |
| X     | 147 | Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)                                                                                                                                               | 573-58-0                  | 0.050  |
| X     | 148 | Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)                                                                                                     | 1937-37-7                 | 0.050  |
| X     | 149 | Imidazolidine-2-thione; (2-imidazoline-2-thiol)                                                                                                                                                                                                          | 96-45-7                   | 0.050  |
| X     | 150 | Lead di(acetate)*                                                                                                                                                                                                                                        | 301-04-2                  | 0.005  |
| X     | 151 | Trixylyl phosphate                                                                                                                                                                                                                                       | 25155-23-1                | 0.050  |
| XI    | 152 | 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear                                                                                                                                                                                         | 68515-50-4                | 0.050  |
| XI    | 153 | Cadmium chloride*                                                                                                                                                                                                                                        | 10108-64-2                | 0.005  |
| XI    | 154 | Sodium perborate; perboric acid, sodium salt*                                                                                                                                                                                                            | -                         | 0.005  |
| XI    | 155 | Sodium peroxometaborate*                                                                                                                                                                                                                                 | 7632-04-4                 | 0.005  |
| XII   | 156 | 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)                                                                                                                                                                                                 | 25973-55-1                | 0.050  |
| XII   | 157 | 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)                                                                                                                                                                                                     | 3846-71-7                 | 0.050  |
| XII   | 158 | 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)                                                                                                                                                                   | 15571-58-1                | 0.050  |
| XII   | 159 | Cadmium fluoride*                                                                                                                                                                                                                                        | 7790-79-6                 | 0.005  |
| XII   | 160 | Cadmium sulphate*                                                                                                                                                                                                                                        | 10124-36-4<br>/31119-53-6 | 0.005  |
| XII   | 161 | Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate & 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE & MOTE) | -                         | 0.050  |
| XIII  | 162 | 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate                                                                                             | -                         | 0.050  |
| XIII  | 163 | 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof]                      | -                         | 0.050  |
| XIV   | 164 | 1,3-propanesultone                                                                                                                                                                                                                                       | 1120-71-4                 | 0.050  |
| XIV   | 165 | 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)                                                                                                                                                                                           | 3864-99-1                 | 0.050  |
| XIV   | 166 | 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)                                                                                                                                                                                     | 36437-37-3                | 0.050  |



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| Batch | No. | Substance Name                                                                                                                                                                                        | CAS No.    | RL (%) |
|-------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------|
| XIV   | 167 | Nitrobenzene                                                                                                                                                                                          | 98-95-3    | 0.050  |
| XIV   | 168 | Perfluorononan-1-oic-acid and its sodium and ammonium salts                                                                                                                                           | -          | 0.050  |
| XV    | 169 | Benzo[def]chrysene (Benzo[a]pyrene)                                                                                                                                                                   | 50-32-8    | 0.050  |
| XVI   | 170 | 4,4'-isopropylidenediphenol (bisphenol A)                                                                                                                                                             | 80-05-7    | 0.050  |
| XVI   | 171 | 4-Heptylphenol, branched and linear                                                                                                                                                                   | -          | 0.050  |
| XVI   | 172 | Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts                                                                                                                                  | -          | 0.050  |
| XVI   | 173 | p-(1,1-dimethylpropyl)phenol                                                                                                                                                                          | 80-46-6    | 0.050  |
| XVII  | 174 | Perfluorohexane-1-sulphonic acid and its salts                                                                                                                                                        | -          | 0.050  |
| XVIII | 175 | 1,6,7,8,9,14,15,16,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof] | -          | 0.050  |
| XVIII | 176 | Benz[a]anthracene                                                                                                                                                                                     | 56-55-3    | 0.050  |
| XVIII | 177 | Cadmium nitrate*                                                                                                                                                                                      | 10325-94-7 | 0.005  |
| XVIII | 178 | Cadmium carbonate*                                                                                                                                                                                    | 513-78-0   | 0.005  |
| XVIII | 179 | Cadmium hydroxide*                                                                                                                                                                                    | 21041-95-2 | 0.005  |
| XVIII | 180 | Chrysene                                                                                                                                                                                              | 218-01-9   | 0.050  |
| XVIII | 181 | Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]                            | -          | 0.050  |
| XIX   | 182 | Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)                                                                                                                          | 552-30-7   | 0.050  |
| XIX   | 183 | Benzo[ghi]perylene                                                                                                                                                                                    | 191-24-2   | 0.050  |
| XIX   | 184 | Decamethylcyclotetrasiloxane (D5)                                                                                                                                                                     | 541-02-6   | 0.050  |
| XIX   | 185 | Dicyclohexyl phthalate (DCHP)                                                                                                                                                                         | 84-61-7    | 0.050  |
| XIX   | 186 | Disodium octaborate*                                                                                                                                                                                  | 12008-41-2 | 0.005  |
| XIX   | 187 | Dodecamethylcyclotetrasiloxane (D6)                                                                                                                                                                   | 540-97-6   | 0.050  |
| XIX   | 188 | Ethylenediamine (EDA)                                                                                                                                                                                 | 107-15-3   | 0.050  |
| XIX   | 189 | Lead                                                                                                                                                                                                  | 7439-92-1  | 0.005  |
| XIX   | 190 | Octamethylcyclotetrasiloxane (D4)                                                                                                                                                                     | 556-67-2   | 0.050  |
| XIX   | 191 | Terphenyl, hydrogenated                                                                                                                                                                               | 61788-32-7 | 0.050  |
| XX    | 192 | 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)                                                                                                                 | 15087-24-8 | 0.050  |
| XX    | 193 | 2,2-bis(4'-hydroxyphenyl)-4-methylpentane                                                                                                                                                             | 6807-17-6  | 0.050  |
| XX    | 194 | Benzo[k]fluoranthene                                                                                                                                                                                  | 207-08-9   | 0.050  |
| XX    | 195 | Fluoranthene                                                                                                                                                                                          | 206-44-0   | 0.050  |
| XX    | 196 | Phenanthrene                                                                                                                                                                                          | 85-01-8    | 0.050  |
| XX    | 197 | Pyrene                                                                                                                                                                                                | 129-00-0   | 0.050  |
| XXI   | 198 | 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)                                          | -          | 0.050  |
| XXI   | 199 | 2-methoxyethyl acetate                                                                                                                                                                                | 110-49-6   | 0.050  |



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| Batch | No. | Substance Name                                                                                                                                                                                               | CAS No.     | RL (%) |
|-------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------|
| XXI   | 200 | 4-tert-butylphenol (PTBP)                                                                                                                                                                                    | 98-54-4     | 0.050  |
| XXI   | 201 | Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)                                                                                 | -           | 0.050  |
| XXII  | 202 | 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone                                                                                                                                                          | 119313-12-1 | 0.050  |
| XXII  | 203 | 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one                                                                                                                                                     | 71868-10-5  | 0.050  |
| XXII  | 204 | Diisohexyl phthalate                                                                                                                                                                                         | 71850-09-4  | 0.050  |
| XXII  | 205 | Perfluorobutane sulfonic acid (PFBS) and its salts                                                                                                                                                           | -           | 0.050  |
| XXIII | 206 | 1-vinylimidazole                                                                                                                                                                                             | 1072-63-5   | 0.050  |
| XXIII | 207 | 2-methylimidazole                                                                                                                                                                                            | 693-98-1    | 0.050  |
| XXIII | 208 | Butyl 4-hydroxybenzoate                                                                                                                                                                                      | 94-26-8     | 0.050  |
| XXIII | 209 | Dibutylbis(pentane-2,4-dionato-O,O')tin**                                                                                                                                                                    | 22673-19-4  | 0.050  |
| XXIV  | 210 | bis(2-(2-methoxyethoxy)ethyl) ether                                                                                                                                                                          | 143-24-8    | 0.050  |
| XXIV  | 211 | Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety** | -           | 0.050  |
| XXV   | 212 | 1,4-Dioxane                                                                                                                                                                                                  | 123-91-1    | 0.050  |
| XXV   | 213 | 2,2-bis(bromomethyl)propane1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)                                   | -           | 0.050  |
| XXV   | 214 | 2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers                                                                                                                                       | -           | 0.050  |
| XXV   | 215 | 4,4'-(1-methylpropylidene)bisphenol; (bisphenol B)                                                                                                                                                           | 77-40-7     | 0.050  |
| XXV   | 216 | Glutaral                                                                                                                                                                                                     | 111-30-8    | 0.050  |
| XXV   | 217 | Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]                          | -           | 0.050  |
| XXV   | 218 | Orthoboric acid, sodium salt*                                                                                                                                                                                | 13840-56-7  | 0.005  |
| XXV   | 219 | Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)                | -           | 0.050  |
| XXVI  | 220 | ( $\pm$ )-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)                                                 | -           | 0.050  |
| XXVI  | 221 | 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)                                                                                                                                                          | 119-47-1    | 0.050  |



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| Batch  | No. | Substance Name                                                                                                                                                    | CAS No.     | RL (%) |
|--------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------|
| XXVI   | 222 | S-(tricyclo[5.2.1.0' <sup>2</sup> .6]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate | 255881-94-8 | 0.050  |
| XXVI   | 223 | Tris(2-methoxyethoxy)vinylsilane                                                                                                                                  | 1067-53-4   | 0.050  |
| XXVII  | 224 | N-(hydroxymethyl)acrylamide                                                                                                                                       | 924-42-5    | 0.050  |
| XXVIII | 225 | 1,1'-[ethane-1,2-diylbisoxo]bis[2,4,6-tribromobenzene]                                                                                                            | 37853-59-1  | 0.050  |
| XXVIII | 226 | 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol                                                                                                                  | 79-94-7     | 0.050  |
| XXVIII | 227 | 4,4'-sulphonyldiphenol                                                                                                                                            | 80-09-1     | 0.050  |
| XXVIII | 228 | Barium diboron tetraoxide*                                                                                                                                        | 13701-59-2  | 0.005  |
| XXVIII | 229 | Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof                                                          | 26040-51-7  | 0.050  |
| XXVIII | 230 | Isobutyl 4-hydroxybenzoate                                                                                                                                        | 4247-02-3   | 0.050  |
| XXVIII | 231 | Melamine                                                                                                                                                          | 108-78-1    | 0.050  |
| XXVIII | 232 | Perfluoroheptanoic acid and its salts                                                                                                                             | -           | 0.050  |
| XXVIII | 233 | reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine*    | -           | 0.050  |
| /      | 234 | bis(4-chlorophenyl) sulphone                                                                                                                                      | 80-07-9     | 0.050  |
| /      | 235 | Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide                                                                                                                   | 75980-60-8  | 0.050  |
| /      | 236 | Resorcinol                                                                                                                                                        | 108-46-3    | 0.050  |



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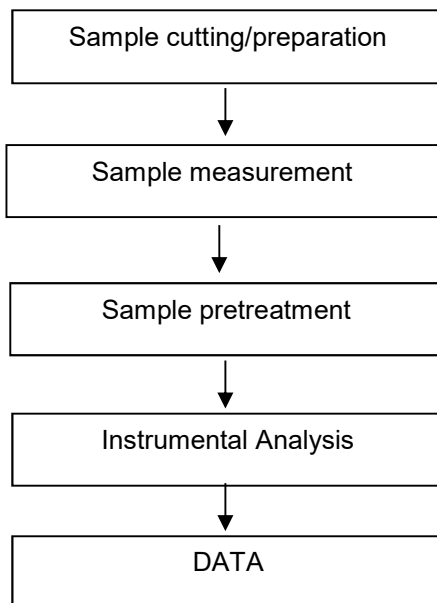
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### Testing Flow Chart



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Sample photos:



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检测报告  
(SVHC)

编号: SZXEC23000888006

日期: 2023 年 06 月 13 日

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客户地址: 广东省东莞市石碣镇科技东路 194 号

样品名称: 线圈  
以上样品及信息由客户提供。

SGS 工作编号: SZP23-001370

样品接收时间: 2023 年 05 月 15 日

检测周期: 2023 年 05 月 15 日 ~ 2023 年 05 月 24 日

检测要求: 根据客户要求,  
(i) 基于欧洲化学品管理署截止 2023 年 1 月 17 日公布的供授权审议的高关注物质候选清单(根据欧盟第 1907/2006 号 REACH 法规), 对 233 种高关注物质(SVHC)进行筛分检测。  
(ii) 基于 WTO 2021 年 6 月 1 日的通知, 对 1 种潜在的高关注物质(SVHC)进行筛分检测。  
(iii) 基于欧洲化学品管理署截止 2023 年 2 月 17 日公布的潜在的高关注物质咨询清单(根据欧盟第 1907/2006 号 REACH 法规), 对 2 种高关注物质(SVHC)进行筛分检测。

检测方法: 见后续页。

检测结果: 见后续页。

## 总结:

根据具体的范围和筛分检测, 所提交样品中 SVHC 检测结果 $\leq 0.1\%$  (w/w)。

通过

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范萍

Tina Fan 范萍  
批准签署人

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检测报告  
(SVHC)

编号: SZXEC23000888006

日期: 2023 年 06 月 13 日

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## 备注:

1. 本报告所涉及的关于特定高关注物质的化学分析是根据欧洲化学品管理署发布的下列文件, 利用现有的分析技术完成的。  
<http://echa.europa.eu/web/guest/candidate-list-table>  
这些文件清单由欧洲化学品管理署评估, 将来可能会有变化。

## 2. REACH 法规义务:

## 2.1 关于物品:

告知:

欧盟第 1907/2006 (EC) 号法规第 33 条规定, 含有满足第 57 条中的标准并根据第 59 条第一款被确定且质量分数大于 0.1% 的物质的物品的所有供应商应向物品接受者提供其可获取的充足信息, 以使物品使用安全, 这些信息至少包括含有的候选清单中物质的名称。

通报:

根据欧盟第 1907/2006 (EC) 号法规, 如果满足以下两个条件, 如果物质符合第 57 条中的标准并根据第 59 条第一款被确定, 物品的任何欧洲制造商或进口商应根据第 7 条第 4 款向欧盟化学品管理署进行通报: (a) 候选清单中的物质在物品中的总含量超过 1 吨/年/生产商或进口商; (b) 候选清单中的物质在物品中的总含量以质量分数计超过 0.1% 的浓度。

SGS 采用欧盟法院对 REACH 物品定义的裁定, 除非另有说明。详细的解释请见下列网址:

<http://www.sgs.com/-/media/global/documents/technical-documents/technical-bulletins/sgs-crs-position-statement-on-svhc-in-articles-a4-en-16-06.pdf?la=en>

## 2.2 关于材料:

报告中的检测结果是基于检测样品。如样品是均一材质, 当其构成成品时, 此结果不能代表成品中的 SVHC 浓度。如样品为均一材质等比例合测, 这些材质也可能来自不同的物品。

如果样品是一种物质或混合物, 并且直接出口到欧盟, 客户有责任遵守欧盟第 1907/2006 号 REACH 法规第 31 条供应链信息传递的义务和附件十四中的授权高关注物质授权的责任。

## 2.3 关于物质和配制品:

如果样品中高关注物质的浓度超过 0.1% (w/w) 和/或欧盟第 1272/2008 号 CLP 法规及其修订中设定的特殊浓度限值, 建议客户根据欧盟第 1907/2006 号 REACH 法规对有关高关注物质准备安全数据表 (SDS) 以符合供应链通信的义务, 如

- 根据欧盟第 1272/2008 号 CLP 法规被列为有害物质。

- 根据欧盟第 1272/2008 号 CLP 法规被列为有害混合物, 而当中物质的浓度大于或等于欧盟第 1272/2008 号 CLP 法规列出的浓度限值; 或

- 根据欧盟第 1272/2008 号 CLP 法规并未列为有害混合物, 但包含:

(a) 对人类健康或环境有害的物质, 而在固体或液体混合物 (即非气体混合物) 中其浓度  $\geq 1\%$  (w/w) 或在气体混合物中占体积  $\geq 0.2\%$ , 或

(b) PBT 或 vPvB 物质, 在固体或液体混合物 (即非气体混合物) 中个别浓度  $\geq 0.1\%$  (w/w), 或

(c) 授权审议的高关注物质候选清单上的物质 (除上述以外的原因) 在个别非气体混合物中的浓度  $\geq 0.1\%$  (w/w), 或

(d) 设有欧洲范围内工作场所接触限值的物质。

3. 如果样品中 SVHC 的检测结果超过报告限, 建议客户进一步定量分析检测含有 SVHC 的组分并且得到 SVHC 物质的准确浓度。



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## 检测样品:

## 检测组:

| 检测结果 ID | 样品描述                                                     | 检测部件 ID | SGS 样品 ID               |
|---------|----------------------------------------------------------|---------|-------------------------|
| 001     | 带无色透明表层的铜色金属线 A#+带红色表层的银色金属线 B#+白色材料 C#+白色材料 D#+深灰色磁芯 E# | A7      | SZX23-0008880-0001.C007 |

## 检测方法:

参考 SGS 内部方法, 采用 ICP-OES、UV-VIS、GC-MS、HPLC-DAD/MS 和比色法进行分析。

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检测结果: (候选清单中的高关注物质)

| 批次 | 物质名称             | CAS No. | 001<br>浓度 (%) | RL (%) |
|----|------------------|---------|---------------|--------|
| -  | 所有检测的候选清单中的 SVHC | -       | ND            | -      |

检测结果: (潜在的 SVHC)

| 批次 | 物质名称          | CAS No. | 001<br>浓度 (%) | RL (%) |
|----|---------------|---------|---------------|--------|
| /  | 所有检测的潜在的 SVHC | -       | ND            | -      |

## 备注:

(1) 上表仅显示检测到的 SVHC, 未报告 RL 以下的 SVHC。请参阅已检测 SVHC 的完整列表附录。

(2) RL = 报告限制 (如果检测数据  $\geq$  RL, 将显示检测数据。RL 不是监管限制。

ND = 未检测到 (低于 RL), ND 表示在 SVHC 物质上。

(3) \* 检测结果基于所选元素的计算和最坏情况。

\*\* 检测结果基于所选标记的计算和最坏情况。

硼化合物的结果由 ICP-OES 检测的水提取硼元素结果换算得出。

四氧化二硼钡的结果由 ICP-OES 检测的水提取硼和钡元素结果换算得出。

RL = 0.005% 是针对元素 (例如钴、砷、铅、铬 (VI)、铝、锆、硼、锆、锌、锑、钛、钡、镉), 除了钼的 RL = 0.0005%, 硼的 RL = 0.0025% (仅对四氟硼酸铅), 氟的 RL = 0.050%。

(4) § 只有当物质包含米氏酮 (CAS No.: 90-94-8) 或米氏碱 (CAS No.: 101-61-1) 的浓度  $\geq$  0.1% (w / w) 的情况下, 该物质才被提议定为 SVHC。

(5) / = 潜在的 SVHC

(6) 基于客户要求等进行等比混合测试, 检测结果基于最小样品质量计算。

除非另有说明, 参照 ILAC-G8:09/2019, 使用简单接受 ( $w=0$ ) 的二元判定规则进行符合性判定。

除非另有说明, 此报告结果仅对检测的样品负责。本报告未经本公司书面许可, 不可部分复制。

检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的, 仅供内部参考。

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## 附录

## 所有检测的 SVHC:

| 批次  | 序号 | 物质名称                                                                      | CAS No.                                | RL (%) |
|-----|----|---------------------------------------------------------------------------|----------------------------------------|--------|
| I   | 1  | 4,4'-二氨基二苯甲烷(MDA)                                                         | 101-77-9                               | 0.050  |
| I   | 2  | 2,4,6-三硝基-5-叔丁基间二甲苯(二甲苯麝香)                                                | 81-15-2                                | 0.050  |
| I   | 3  | C10-13 氯代烃(短链氯化石蜡)                                                        | 85535-84-8                             | 0.050  |
| I   | 4  | 蒽                                                                         | 120-12-7                               | 0.050  |
| I   | 5  | 邻苯二甲酸丁苄酯(BBP)                                                             | 85-68-7                                | 0.050  |
| I   | 6  | 邻苯二甲酸二(2-乙基己基)酯(DEHP)                                                     | 117-81-7                               | 0.050  |
| I   | 7  | 氧化双三丁基锡(TBTO)                                                             | 56-35-9                                | 0.050  |
| I   | 8  | 三氯化钴*                                                                     | 7646-79-9                              | 0.005  |
| I   | 9  | 五氧化二砷*                                                                    | 1303-28-2                              | 0.005  |
| I   | 10 | 三氧化二砷*                                                                    | 1327-53-3                              | 0.005  |
| I   | 11 | 邻苯二甲酸二丁酯(DBP)                                                             | 84-74-2                                | 0.050  |
| I   | 12 | 六溴环十二烷(HBCDD) 及其非对映异构体( $\alpha$ -HBCDD, $\beta$ -HBCDD, $\gamma$ -HBCDD) | -                                      | 0.050  |
| I   | 13 | 砷酸氢铅*                                                                     | 7784-40-9                              | 0.005  |
| I   | 14 | 重铬酸钠*                                                                     | 10588-01-9<br>/7789-12-0               | 0.005  |
| I   | 15 | 三乙基砷酸酯*                                                                   | 15606-95-8                             | 0.005  |
| II  | 16 | 2,4-二硝基甲苯                                                                 | 121-14-2                               | 0.050  |
| II  | 17 | 丙烯酰胺                                                                      | 79-06-1                                | 0.050  |
| II  | 18 | 蒽油**                                                                      | 90640-80-5                             | 0.050  |
| II  | 19 | 蒽油, 蒽糊**                                                                  | 90640-81-6                             | 0.050  |
| II  | 20 | 蒽油, 蒽糊, 蒽馏分**                                                             | 91995-15-2                             | 0.050  |
| II  | 21 | 蒽油, 蒽糊, 轻油**                                                              | 91995-17-4                             | 0.050  |
| II  | 22 | 蒽油, 含蒽量少**                                                                | 90640-82-7                             | 0.050  |
| II  | 23 | 邻苯二甲酸二异丁酯                                                                 | 84-69-5                                | 0.050  |
| II  | 24 | 钼铬红(C.I. 颜料红 104)*                                                        | 12656-85-8                             | 0.005  |
| II  | 25 | 铬酸铅*                                                                      | 7758-97-6                              | 0.005  |
| II  | 26 | 铅铬黄(C.I. 颜料黄 34)*                                                         | 1344-37-2                              | 0.005  |
| II  | 27 | 沥青, 煤焦油, 高温**                                                             | 65996-93-2                             | 0.050  |
| II  | 28 | 磷酸三(2-氯乙基)酯                                                               | 115-96-8                               | 0.050  |
| III | 29 | 重铬酸铵*                                                                     | 7789-09-5                              | 0.005  |
| III | 30 | 硼酸*                                                                       | -                                      | 0.005  |
| III | 31 | 无水四硼酸钠*                                                                   | 12179-04-3<br>/1303-96-4<br>/1330-43-4 | 0.005  |
| III | 32 | 铬酸钾*                                                                      | 7789-00-6                              | 0.005  |
| III | 33 | 重铬酸钾*                                                                     | 7778-50-9                              | 0.005  |
| III | 34 | 铬酸钠*                                                                      | 7775-11-3                              | 0.005  |
| III | 35 | 水合硼酸钠*                                                                    | 12267-73-1                             | 0.005  |
| III | 36 | 三氯乙烯                                                                      | 79-01-6                                | 0.050  |
| IV  | 37 | 乙二醇乙醚                                                                     | 110-80-5                               | 0.050  |



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| 批次  | 序号 | 物质名称                         | CAS No.                | RL (%) |
|-----|----|------------------------------|------------------------|--------|
| IV  | 38 | 乙二醇单甲醚                       | 109-86-4               | 0.050  |
| IV  | 39 | 铬酸, 铬酸及重铬酸低聚物, 重铬酸*          | -                      | 0.005  |
| IV  | 40 | 三氧化铬*                        | 1333-82-0              | 0.005  |
| IV  | 41 | 碳酸钴*                         | 513-79-1               | 0.005  |
| IV  | 42 | 乙酸钴*                         | 71-48-7                | 0.005  |
| IV  | 43 | 硝酸钴*                         | 10141-05-6             | 0.005  |
| IV  | 44 | 硫酸钴*                         | 10124-43-3             | 0.005  |
| V   | 45 | 1,2,3-三氯丙烷                   | 96-18-4                | 0.050  |
| V   | 46 | 1,2-苯二酸-二(C6-8 支链)烷基酯(富 C7)  | 71888-89-6             | 0.050  |
| V   | 47 | 1,2-苯二酸-二(C7-11 支链与直链)烷基(醇)酯 | 68515-42-4             | 0.050  |
| V   | 48 | 1-甲基-2-吡咯烷酮                  | 872-50-4               | 0.050  |
| V   | 49 | 乙二醇乙醚醋酸酯                     | 111-15-9               | 0.050  |
| V   | 50 | 联氨                           | 302-01-2<br>/7803-57-8 | 0.050  |
| V   | 51 | 铬酸锶*                         | 7789-06-2              | 0.005  |
| VI  | 52 | 1,2-二氯乙烷                     | 107-06-2               | 0.050  |
| VI  | 53 | 4,4'-二氨基-3,3'-二氯二苯甲烷         | 101-14-4               | 0.050  |
| VI  | 54 | 2-甲氧基苯胺                      | 90-04-0                | 0.050  |
| VI  | 55 | 对特辛基苯酚                       | 140-66-9               | 0.050  |
| VI  | 56 | 硅酸铝耐火陶瓷纤维*                   | -                      | 0.005  |
| VI  | 57 | 砷酸*                          | 7778-39-4              | 0.005  |
| VI  | 58 | 二乙二醇二甲醚                      | 111-96-6               | 0.050  |
| VI  | 59 | 邻苯二甲酸二甲氧基乙酯                  | 117-82-8               | 0.050  |
| VI  | 60 | 砷酸钙*                         | 7778-44-1              | 0.005  |
| VI  | 61 | 铬酸铬*                         | 24613-89-6             | 0.005  |
| VI  | 62 | 甲醛与苯胺的低聚物                    | 25214-70-4             | 0.050  |
| VI  | 63 | 叠氮化铅*                        | 13424-46-9             | 0.005  |
| VI  | 64 | 苦味酸铅*                        | 6477-64-1              | 0.005  |
| VI  | 65 | 史蒂芬酸铅*                       | 15245-44-0             | 0.005  |
| VI  | 66 | N,N-二甲基乙酰胺                   | 127-19-5               | 0.050  |
| VI  | 67 | 氢氧化铬酸锌*                      | 49663-84-5             | 0.005  |
| VI  | 68 | 酚酞                           | 77-09-8                | 0.050  |
| VI  | 69 | 氢氧化铬酸钾*                      | 11103-86-9             | 0.005  |
| VI  | 70 | 砷酸铅*                         | 3687-31-8              | 0.005  |
| VI  | 71 | 氧化锆硅酸铝耐火陶瓷纤维*                | -                      | 0.005  |
| VII | 72 | C.I.碱性蓝 26§                  | 2580-56-5              | 0.050  |
| VII | 73 | C.I.碱性紫 3§                   | 548-62-9               | 0.050  |
| VII | 74 | 三乙二醇二甲醚(TEGDME)              | 112-49-2               | 0.050  |
| VII | 75 | 乙二醇二甲醚(EGDME)                | 110-71-4               | 0.050  |
| VII | 76 | 4,4'-二(二甲氨基)二苯甲酮(米氏酮)        | 90-94-8                | 0.050  |
| VII | 77 | 4,4'-二(二甲氨基)-4''-甲氨基三苯甲醇§    | 561-41-1               | 0.050  |
| VII | 78 | 三氧化二硼*                       | 1303-86-2              | 0.005  |



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检测报告  
(SVHC)

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| 批次   | 序号  | 物质名称                                                                        | CAS No.     | RL (%) |
|------|-----|-----------------------------------------------------------------------------|-------------|--------|
| VII  | 79  | 甲酰胺                                                                         | 75-12-7     | 0.050  |
| VII  | 80  | 甲基磺酸铅*                                                                      | 17570-76-2  | 0.005  |
| VII  | 81  | N,N,N',N'-四甲基-4,4'-二氨基二苯甲烷(米氏碱)                                             | 101-61-1    | 0.050  |
| VII  | 82  | 1,3,5-三(环氧乙基甲基)-1,3,5-三嗪-2,4,6-(1H, 3H,5H)-三酮(TGIC)                         | 2451-62-9   | 0.050  |
| VII  | 83  | C.I.溶剂蓝 4S                                                                  | 6786-83-0   | 0.050  |
| VII  | 84  | 1,3,5-三-[(2S 和 2R)-2,3-环氧丙基]-1,3,5-三嗪-2,4,6-(1H, 3H, 5H)-三酮( $\beta$ -TGIC) | 59653-74-6  | 0.050  |
| VIII | 85  | 二盐基邻苯二甲酸铅*                                                                  | 69011-06-9  | 0.005  |
| VIII | 86  | 1,2-苯二酸-二(支链与直链)戊基酯                                                         | 84777-06-0  | 0.050  |
| VIII | 87  | 乙二醇二乙醚                                                                      | 629-14-1    | 0.050  |
| VIII | 88  | 1-溴丙烷                                                                       | 106-94-5    | 0.050  |
| VIII | 89  | 3-乙基-2-甲基-2-(3-甲基丁基)-1,3-恶唑烷                                                | 143860-04-2 | 0.050  |
| VIII | 90  | 对特辛基苯酚乙氧基醚                                                                  | -           | 0.050  |
| VIII | 91  | 4,4'-二氨基-3,3'-二甲基二苯甲烷                                                       | 838-88-0    | 0.050  |
| VIII | 92  | 4,4'-二氨基二苯醚及其盐                                                              | 101-80-4    | 0.050  |
| VIII | 93  | 4-氨基偶氮苯                                                                     | 60-09-3     | 0.050  |
| VIII | 94  | 2,4-二氨基甲苯                                                                   | 95-80-7     | 0.050  |
| VIII | 95  | 4-壬基(支链与直链)苯酚                                                               | -           | 0.050  |
| VIII | 96  | 2-甲氧基-5-甲基苯胺                                                                | 120-71-8    | 0.050  |
| VIII | 97  | 碱式乙酸铅*                                                                      | 51404-69-4  | 0.005  |
| VIII | 98  | 4-氨基联苯                                                                      | 92-67-1     | 0.050  |
| VIII | 99  | 十溴二苯醚(DecaBDE)                                                              | 1163-19-5   | 0.050  |
| VIII | 100 | 环己烷-1,2-二羧酸酐, 顺式-环己烷-1,2-二羧酸酐, 反式-环己烷-1,2-二羧酸酐                              | -           | 0.050  |
| VIII | 101 | 偶氮二甲酰胺                                                                      | 123-77-3    | 0.050  |
| VIII | 102 | 二丁基二氯化锡(DBTC)                                                               | 683-18-1    | 0.050  |
| VIII | 103 | 硫酸二乙酯                                                                       | 64-67-5     | 0.050  |
| VIII | 104 | 邻苯二甲酸二异戊酯                                                                   | 605-50-5    | 0.050  |
| VIII | 105 | 硫酸二甲酯                                                                       | 77-78-1     | 0.050  |
| VIII | 106 | 地乐酚                                                                         | 88-85-7     | 0.050  |
| VIII | 107 | 双(十八烷基)二氧化三铅*                                                               | 12578-12-0  | 0.005  |
| VIII | 108 | C16-18-脂肪酸铅*                                                                | 91031-62-8  | 0.005  |
| VIII | 109 | 呋喃                                                                          | 110-00-9    | 0.050  |
| VIII | 110 | 全氟十一烷酸                                                                      | 2058-94-8   | 0.050  |
| VIII | 111 | 全氟十四烷酸                                                                      | 376-06-7    | 0.050  |
| VIII | 112 | 甲基六氢邻苯二甲酸酐, 4-甲基六氢邻苯二甲酸酐, 1-甲基六氢邻苯二甲酸酐, 3-甲基六氢邻苯二甲酸酐                        | -           | 0.050  |
| VIII | 113 | 四氟硼酸铅*                                                                      | 13814-96-5  | 0.005  |
| VIII | 114 | 氨基氰铅盐*                                                                      | 20837-86-9  | 0.005  |
| VIII | 115 | 硝酸铅*                                                                        | 10099-74-8  | 0.005  |



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| 批次   | 序号  | 物质名称                                | CAS No.     | RL (%) |
|------|-----|-------------------------------------|-------------|--------|
| VIII | 116 | 一氧化铅*                               | 1317-36-8   | 0.005  |
| VIII | 117 | 碱式硫酸铅*                              | 12036-76-9  | 0.005  |
| VIII | 118 | 四氧化三铅*                              | 1314-41-6   | 0.005  |
| VIII | 119 | 钛酸铅*                                | 12060-00-3  | 0.005  |
| VIII | 120 | 钛酸铅锆*                               | 12626-81-2  | 0.005  |
| VIII | 121 | 甲氧基乙酸                               | 625-45-6    | 0.050  |
| VIII | 122 | 1,2-环氧丙烷                            | 75-56-9     | 0.050  |
| VIII | 123 | N,N-二甲基甲酰胺                          | 68-12-2     | 0.050  |
| VIII | 124 | N-甲基乙酰胺                             | 79-16-3     | 0.050  |
| VIII | 125 | 邻苯二甲酸正戊基异戊基酯                        | 776297-69-9 | 0.050  |
| VIII | 126 | 邻-氨基偶氮甲苯                            | 97-56-3     | 0.050  |
| VIII | 127 | 2-氨基甲苯                              | 95-53-4     | 0.050  |
| VIII | 128 | 全氟十三烷酸                              | 72629-94-8  | 0.050  |
| VIII | 129 | 硫酸四氧化五铅*                            | 12065-90-6  | 0.005  |
| VIII | 130 | 铅锑黄*                                | 8012-00-8   | 0.005  |
| VIII | 131 | 掺杂铅的硅酸钡*                            | 68784-75-8  | 0.005  |
| VIII | 132 | 硅酸铅*                                | 11120-22-2  | 0.005  |
| VIII | 133 | 二碱式亚硫酸铅*                            | 62229-08-7  | 0.005  |
| VIII | 134 | 四乙基铅*                               | 78-00-2     | 0.005  |
| VIII | 135 | 硫酸三氧化四铅*                            | 12202-17-4  | 0.005  |
| VIII | 136 | 全氟十二烷酸                              | 307-55-1    | 0.050  |
| VIII | 137 | 碱式碳酸铅*                              | 1319-46-6   | 0.005  |
| VIII | 138 | 二碱式亚磷酸铅*                            | 12141-20-7  | 0.005  |
| IX   | 139 | 4-壬基(支链与直链)苯酚乙氧基醚                   | -           | 0.050  |
| IX   | 140 | 全氟辛酸铵(APFO)**                       | 3825-26-1   | 0.050  |
| IX   | 141 | 氧化镉*                                | 1306-19-0   | 0.005  |
| IX   | 142 | 镉                                   | 7440-43-9   | 0.005  |
| IX   | 143 | 邻苯二甲酸二正戊酯(DPP)                      | 131-18-0    | 0.050  |
| IX   | 144 | 全氟辛酸(PFOA)                          | 335-67-1    | 0.050  |
| X    | 145 | 硫化镉*                                | 1306-23-6   | 0.005  |
| X    | 146 | 邻苯二甲酸二正己酯                           | 84-75-3     | 0.050  |
| X    | 147 | C.I.直接红 28                          | 573-58-0    | 0.050  |
| X    | 148 | C.I.直接黑 38                          | 1937-37-7   | 0.050  |
| X    | 149 | 2-巯基咪唑啉                             | 96-45-7     | 0.050  |
| X    | 150 | 乙酸铅*                                | 301-04-2    | 0.005  |
| X    | 151 | 磷酸三二甲苯酯                             | 25155-23-1  | 0.050  |
| XI   | 152 | 邻苯二甲酸二(支链与直链)己基酯                    | 68515-50-4  | 0.050  |
| XI   | 153 | 氯化镉*                                | 10108-64-2  | 0.005  |
| XI   | 154 | 水合过硼酸钠*                             | -           | 0.005  |
| XI   | 155 | 过硼酸钠*                               | 7632-04-4   | 0.005  |
| XII  | 156 | 2-(2H-苯并三唑-2-基)-4,6-二叔戊基苯酚 (UV-328) | 25973-55-1  | 0.050  |



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检测报告  
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| 批次    | 序号  | 物质名称                                                                                                                      | CAS No.                   | RL (%) |
|-------|-----|---------------------------------------------------------------------------------------------------------------------------|---------------------------|--------|
| XII   | 157 | 2-苯并三唑-2-基-4,6-二叔丁基苯酚(UV-320)                                                                                             | 3846-71-7                 | 0.050  |
| XII   | 158 | 二正辛基-双(2-乙基己基巯基乙酸酯)锡(DOTE)                                                                                                | 15571-58-1                | 0.050  |
| XII   | 159 | 氟化镉*                                                                                                                      | 7790-79-6                 | 0.005  |
| XII   | 160 | 硫酸镉*                                                                                                                      | 10124-36-4<br>/31119-53-6 | 0.005  |
| XII   | 161 | 二正辛基-双(2-乙基己基巯基乙酸酯)锡(DOTE)和单辛基-三(2-乙基己基巯基乙酸酯)锡(MOTE)的反应物                                                                  | -                         | 0.050  |
| XIII  | 162 | 1,2-苯二甲酸, 二(C6-10)烷基酯 / 1,2-苯二甲酸, 混合二己二辛二癸酯, 其中邻苯二甲酸二己酯含量≥0.3%                                                            | -                         | 0.050  |
| XIII  | 163 | 5-二叔丁基-2-(2,4-二甲基环己-3-烯-1-基)-5-甲基-1,3-二恶烷[1], 5-二叔丁基-2-(4,6-二甲基环己-3-烯-1-基)-5-甲基-1,3-二恶烷[2] [任何[1]和[2]或者其任意组合的单独异构体或其任何组合] | -                         | 0.050  |
| XIV   | 164 | 1,3-丙磺酸内酯                                                                                                                 | 1120-71-4                 | 0.050  |
| XIV   | 165 | 2,4-二叔丁基-6-(5-氯苯并三唑-2-基)苯酚(UV-327)                                                                                        | 3864-99-1                 | 0.050  |
| XIV   | 166 | 2-(2H-苯并三唑-2-基)-4-(叔丁基)-6-(仲丁基)苯酚(UV-350)                                                                                 | 36437-37-3                | 0.050  |
| XIV   | 167 | 硝基苯                                                                                                                       | 98-95-3                   | 0.050  |
| XIV   | 168 | 全氟壬酸及其钠盐和铵盐                                                                                                               | -                         | 0.050  |
| XV    | 169 | 苯并(a)芘                                                                                                                    | 50-32-8                   | 0.050  |
| XVI   | 170 | 4,4'-异亚丙基联苯酚(双酚 A)                                                                                                        | 80-05-7                   | 0.050  |
| XVI   | 171 | 4-庚基(支链与直链)苯酚                                                                                                             | -                         | 0.050  |
| XVI   | 172 | 全氟癸酸(PFDA)及其钠盐和铵盐                                                                                                         | -                         | 0.050  |
| XVI   | 173 | 对叔戊基苯酚                                                                                                                    | 80-46-6                   | 0.050  |
| XVII  | 174 | 全氟己烷-1-磺酸及其盐                                                                                                              | -                         | 0.050  |
| XVIII | 175 | 双(六氯环戊二烯)环辛烷(包含任何顺式与反式同分异构体或其组合)                                                                                          | -                         | 0.050  |
| XVIII | 176 | 苯并蒽(BaA)                                                                                                                  | 56-55-3                   | 0.050  |
| XVIII | 177 | 硝酸镉*                                                                                                                      | 10325-94-7                | 0.005  |
| XVIII | 178 | 碳酸镉*                                                                                                                      | 513-78-0                  | 0.005  |
| XVIII | 179 | 氢氧化镉*                                                                                                                     | 21041-95-2                | 0.005  |
| XVIII | 180 | 屈(CHR)                                                                                                                    | 218-01-9                  | 0.050  |
| XVIII | 181 | 1,3,4-噻二唑-2,5-二硫酮、甲醛与支链和直链4-庚基苯酚的反应产物(RP-HP)[含有支链和直链4-庚基苯酚重量比≥0.1%]                                                       | -                         | 0.050  |
| XIX   | 182 | 1,2,4-苯三酸酐(偏苯三酸酐)(TMA)                                                                                                    | 552-30-7                  | 0.050  |
| XIX   | 183 | 苯并(g,h,i)芘(二萘嵌苯)(BPE)                                                                                                     | 191-24-2                  | 0.050  |
| XIX   | 184 | 十甲基环五硅氧烷(D5)                                                                                                              | 541-02-6                  | 0.050  |
| XIX   | 185 | 邻苯二甲酸二环己酯(DCHP)                                                                                                           | 84-61-7                   | 0.050  |
| XIX   | 186 | 氧化硼钠*                                                                                                                     | 12008-41-2                | 0.005  |



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检测报告  
(SVHC)

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| 批次    | 序号  | 物质名称                                                                      | CAS No.     | RL (%) |
|-------|-----|---------------------------------------------------------------------------|-------------|--------|
| XIX   | 187 | 十二甲基环六硅氧烷(D6)                                                             | 540-97-6    | 0.050  |
| XIX   | 188 | 乙二胺(EDA)                                                                  | 107-15-3    | 0.050  |
| XIX   | 189 | 铅                                                                         | 7439-92-1   | 0.005  |
| XIX   | 190 | 八甲基环四硅氧烷(D4)                                                              | 556-67-2    | 0.050  |
| XIX   | 191 | 氯化三联苯                                                                     | 61788-32-7  | 0.050  |
| XX    | 192 | 1,7,7-三甲基-3-(苯基亚甲基)双环[2.2.1]庚-2-酮<br>(3-亚苄基樟脑)                            | 15087-24-8  | 0.050  |
| XX    | 193 | 4,4'-(1,3-二甲苯基)二苯酚(1,3-DMBBP)                                             | 6807-17-6   | 0.050  |
| XX    | 194 | 苯并(k)荧蒽(BkF)                                                              | 207-08-9    | 0.050  |
| XX    | 195 | 荧蒽(FLT)                                                                   | 206-44-0    | 0.050  |
| XX    | 196 | 菲(PHE)                                                                    | 85-01-8     | 0.050  |
| XX    | 197 | 茚(PYR)                                                                    | 129-00-0    | 0.050  |
| XXI   | 198 | 2,3,3,3-四氟-2-(七氟丙氧基)丙酸及其盐和酰基<br>卤化物(包括单体和组合)(HFPO-DA)                     | -           | 0.050  |
| XXI   | 199 | 2-甲氧基乙基乙酸酯                                                                | 110-49-6    | 0.050  |
| XXI   | 200 | 4-叔丁基苯酚(PTBP)                                                             | 98-54-4     | 0.050  |
| XXI   | 201 | 三(4-壬基苯基, 支链和直链)亚磷酸酯<br>(TNPP)(含≥0.1%的支链和直链 4-壬基苯酚)                       | -           | 0.050  |
| XXII  | 202 | 2-苄基-2-二甲氨基-4'-吗啉基苯基丁酮                                                    | 119313-12-1 | 0.050  |
| XXII  | 203 | 2-甲基-1-(4-甲硫基苯基)-2-吗啉基-1-丙酮                                               | 71868-10-5  | 0.050  |
| XXII  | 204 | 邻苯二甲酸二异己酯                                                                 | 71850-09-4  | 0.050  |
| XXII  | 205 | 全氟丁烷磺酸及其盐                                                                 | -           | 0.050  |
| XXIII | 206 | 1-乙基咪唑                                                                    | 1072-63-5   | 0.050  |
| XXIII | 207 | 2-甲基咪唑                                                                    | 693-98-1    | 0.050  |
| XXIII | 208 | 对羟基苯甲酸丁酯                                                                  | 94-26-8     | 0.050  |
| XXIII | 209 | 双(乙酰丙酮基)二丁基锡**                                                            | 22673-19-4  | 0.050  |
| XXIV  | 210 | 四乙二醇二甲醚                                                                   | 143-24-8    | 0.050  |
| XXIV  | 211 | 二月桂酸二辛基锡及任何其他二辛基锡双(脂肪<br>酰氧基)衍生物**                                        | -           | 0.050  |
| XXV   | 212 | 1,4-二氧六环                                                                  | 123-91-1    | 0.050  |
| XXV   | 213 | 二溴新戊二醇(BMP); 三溴新戊醇(TBNPA);<br>2,3-二溴-1-丙醇(2,3-DBPA)                       | -           | 0.050  |
| XXV   | 214 | 铃兰醛及其立体异构体                                                                | -           | 0.050  |
| XXV   | 215 | 双酚 B                                                                      | 77-40-7     | 0.050  |
| XXV   | 216 | 戊二醛                                                                       | 111-30-8    | 0.050  |
| XXV   | 217 | 中链氯化石蜡(MCCP)                                                              | -           | 0.050  |
| XXV   | 218 | 原硼酸钠盐*                                                                    | 13840-56-7  | 0.005  |
| XXV   | 219 | 对十二烷基苯酚及其异构体(PDDP)                                                        | -           | 0.050  |
| XXVI  | 220 | (±)-1,7,7-三甲基-3-[(4-甲基苯基)亚甲基]二环<br>[2.2.1]庚-2-酮, 包括各个异构体和/或其组合(4-<br>MBC) | -           | 0.050  |
| XXVI  | 221 | 2,2'-亚甲基双-(4-甲基-6-叔丁基苯酚) (DBMC)                                           | 119-47-1    | 0.050  |



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|--------|-----|---------------------------------------------------------------------------------------------|-------------|--------|
| XXVI   | 222 | S-(三环[5.2.1.0 <sup>2,6</sup> ]癸-3-烯-8(或 9)-基) O-(异丙基或异丁基或 2-乙基己基) O-(异丙基或异丁基或 2-乙基己基)二硫代磷酸酯 | 255881-94-8 | 0.050  |
| XXVI   | 223 | 乙烯基-三(2-甲氧基乙氧基)硅烷                                                                           | 1067-53-4   | 0.050  |
| XXVII  | 224 | N-羟甲基丙烯酰胺                                                                                   | 924-42-5    | 0.050  |
| XXVIII | 225 | 1,2-双(2,4,6-三溴苯氧基)乙烷                                                                        | 37853-59-1  | 0.050  |
| XXVIII | 226 | 四溴双酚 A                                                                                      | 79-94-7     | 0.050  |
| XXVIII | 227 | 双酚 S                                                                                        | 80-09-1     | 0.050  |
| XXVIII | 228 | 四氧化二硼钡*                                                                                     | 13701-59-2  | 0.005  |
| XXVIII | 229 | 四溴邻苯二甲酸双(2-乙基己基)酯                                                                           | 26040-51-7  | 0.050  |
| XXVIII | 230 | 对羟基苯甲酸异丁酯                                                                                   | 4247-02-3   | 0.050  |
| XXVIII | 231 | 三聚氰胺                                                                                        | 108-78-1    | 0.050  |
| XXVIII | 232 | 全氟庚酸及其盐类                                                                                    | -           | 0.050  |
| XXVIII | 233 | 全氟异丙基吗啉和全氟丙基吗啉混合物*                                                                          | -           | 0.050  |
| /      | 234 | 双(4-氯苯基)砒                                                                                   | 80-07-9     | 0.050  |
| /      | 235 | 二苯基(2,4,6-三甲基苯甲酰基)氧化膦                                                                       | 75980-60-8  | 0.050  |
| /      | 236 | 间苯二酚                                                                                        | 108-46-3    | 0.050  |



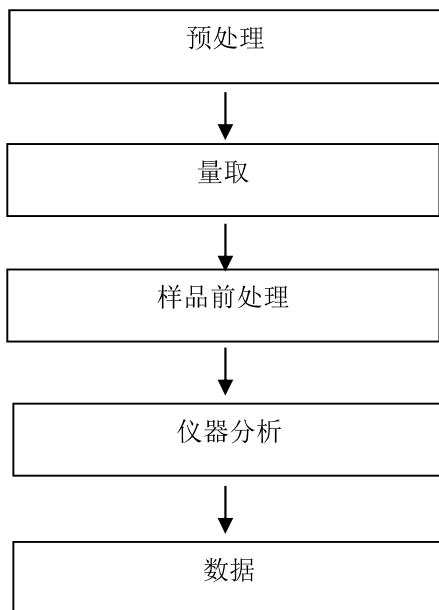
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