

# 深圳市首诺信电子有限公司

## 样品承认书

以下内容由样品制作单位填写：

首诺信料号：EIC.5000.019R 供方料号：FYN033013

物料名称：线圈 6.3uH±10% 磁片直径 41.5mm 厚度 0.75mm 磁片带线槽 线圈外径 37.8mm 线圈内径 20mm 热风线 0.08\*80P 10TS 总厚度 2.0±0.2mm 线圈出线长度 7mm±1 引线浸锡 2-4mm ROHS

原厂品牌：                    

物料类型：☐定制件 ☒标准件

物料规格：                     原厂型号规格：                    

供应商名称：东莞市泛亚电子有限公司 供应商联系人：蔡纪雨

供应商联系电话：13711977102 供应商联系邮件：                    

供应商地址：东莞市石碣镇刘屋科技东路 194 号

拟订/日期 2024-7-20 审核/日期：2024-7-20 批准/日期：2024-7-20

以下内容由首诺信公司采购填写：

承认项目：☐塑胶件 ☐五金件 ☐PCB ☐线材  
☐螺丝、螺母 ☐电子元件 ☐包材 ☐其它                     

供应商类别：☒已合作供应商 ☐新供应商

供应商资质是否经评估合格：☒合格 ☐不合格 ☐其它：                    

新开发供应商（代理商）采购姓名：任群燕 原因简述：                    

拟订/日期      审核/日期：     批准/日期：    

以下内容由首诺信实验室填写：

是否需送交实验室测试：☐是 ☒否

实验室测试报告编号：                     测试结果判定：☐OK ☐NG

测试担当：                     审核/日期：                     批准/日期：                    

以下内容由首诺信工程部填写：

结果判定：☐接受 ☐拒收 ☐有条件接受



# 承 認 書

## SPECIFICATION FOR APPROVAL

|           |                    |
|-----------|--------------------|
| 客 戶:      | N033               |
| CUSTOMER: |                    |
| 客 戶 料 號:  | EIC.5000.019R      |
| CUST P/N: |                    |
| 泛 亞 料 號:  | FYN033013          |
| FINE P/N: |                    |
| 產 品 型 號:  | FYN03312024072001L |
| DESC:     |                    |
| 日 期:      | 2024/07/20         |
| DATE:     |                    |
| 版 本:      | A.0                |
| Version:  |                    |

| CUSTOMER AUTHORIZED SIGNATURE/客户承认签核 |  |  |
|--------------------------------------|--|--|
|                                      |  |  |

|                   |                  |                                                                                                   |
|-------------------|------------------|---------------------------------------------------------------------------------------------------|
| 擬制<br>PREPARED BY | 審核<br>CHECKED BY | 批准<br>APPROVED BY                                                                                 |
| 尹 艺               | 蔡纪雨              | <br>2024/7/20 |

东莞市泛亚电子有限公司

Dongguan FANYA Electronics Co., LTD

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

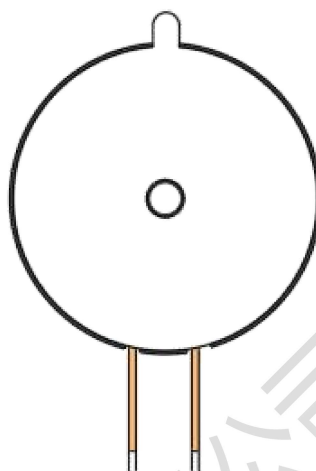
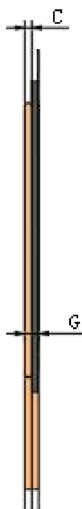
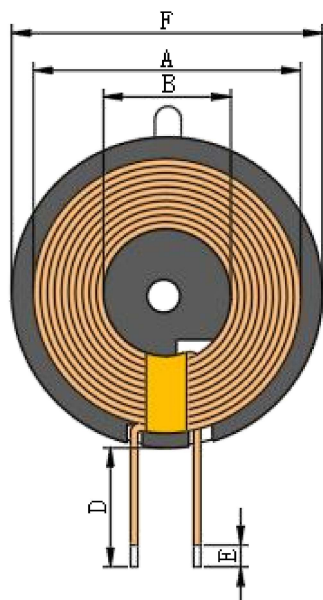
## Version Change History

Dongguan FANYA Electronics Co., LTD

# SPECIFICATION

|               |                    |                |                |               |
|---------------|--------------------|----------------|----------------|---------------|
| 產品型號:<br>DESC | FYN03312024072001L | 版本<br>Rev: A.0 | 客戶 CUST:       | N033          |
|               |                    |                | 泛亚料号 Fine P/N: | FYN033013     |
|               |                    |                | 客戶料号 CUST P/N: | EIC.5000.019R |

## 一、尺寸 DIMENSION:(mm)

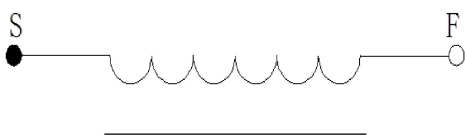


|   |                 |
|---|-----------------|
| A | 37.8±1          |
| B | 20±0.5          |
| C | 1.05±0.1        |
| D | 7±1             |
| E | 2-4             |
| F | 41.5±0.5        |
| G | 2.0±0.2 (不含离型纸) |

### 注:

- 1.引线交叉出线，不用折弯；起始线包 8mm 宽高温胶带，包 1.5TS。
- 2.线圈反贴磁片，磁片尺寸  $\phi$  41.5\*5.3\*0.75mm，开孔开双 L 槽，
- 3.磁片一面贴  $\phi$  39.5\*6\*0.08 带手撕位普通双面背胶。

## 二、原理图 SCHEMATIC DIAGRAM:



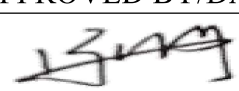
## 三、绕线参数 Winding Specification:

| 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            | Litz0.08*80p | 10Ts        | CCW                       |

## 四、电气特性 ELECTRICAL CHARACTERISTICS:

温度 TEMPERATURE:25±10°C, 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            | 6.3uH ±10%          | 100KHz/1.0V            | TH2810                  |
| 2         | DCR        | S-F            | ≤70mΩ               | 25°C                   | TH2810                  |

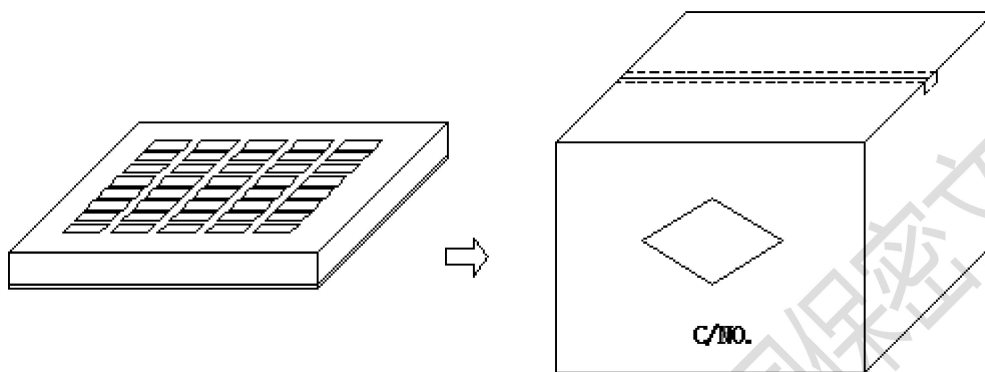
|                           |                          |                                                                                       |
|---------------------------|--------------------------|---------------------------------------------------------------------------------------|
| 擬制/日期<br>PREPARED BY/DATE | 審核/日期<br>CHECKED BY/DATE | 批准/日期<br>APPROVED BY/DATE                                                             |
| 尹艺 2024/07/20             | 蔡纪雨 2024/07/20           |  |

## SPECIFICATION

|               |                    |                |                |               |
|---------------|--------------------|----------------|----------------|---------------|
| 產品型號:<br>DESC | FYN03312024072001L | 版本<br>Rev: A.0 | 客戶 CUST:       | N033          |
|               |                    |                | 泛亚料号 Fine P/N: | FYN033013     |
|               |                    |                | 客戶料号 CUST P/N: | EIC.5000.019R |

### 五. 包装 PACKONG:

#### 5.1 包装图片 Packing pictures:

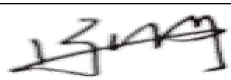


#### 5.2 包装数量及规格 Packing Quantity:

| 项目 Item      | 数量 Quantity | 材料规格 Material |
|--------------|-------------|---------------|
| 盒 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.

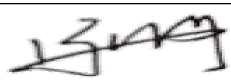
|                           |                          |                                                                                       |
|---------------------------|--------------------------|---------------------------------------------------------------------------------------|
| 擬制/日期<br>PREPARED BY/DATE | 審核/日期<br>CHECKED BY/DATE | 批准/日期<br>APPROVED BY/DATE                                                             |
| 尹艺 2024/07/20             | 蔡纪雨 2024/07/20           |  |

## SPECIFICATION

|               |                    |                |                |               |
|---------------|--------------------|----------------|----------------|---------------|
| 產品型號:<br>DESC | FYN03312024072001L | 版本<br>Rev: A.0 | 客戶 CUST:       | N033          |
|               |                    |                | 泛亚料号 Fine P/N: | FYN033013     |
|               |                    |                | 客戶料号 CUST P/N: | EIC.5000.019R |

### 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            | Litz0.08*65p          | Litz0.08*65p            | 江润                  |
| 2            | 无铅锡条                  | 无铅锡条                    | 千岛                  |
| 3            | 磁片                    | 41.5*5.3*0.75mm, 开孔开双L槽 | 惠博城                 |
| 4            | 普通背胶                  | φ39.5*6*0.08 带手撕位普通双面背胶 | 皇冠                  |
| 5            | 高温胶带                  | 8mm 宽                   | 亚华                  |
| 6            |                       |                         |                     |

|                           |                          |                                                                                       |
|---------------------------|--------------------------|---------------------------------------------------------------------------------------|
| 擬制/日期<br>PREPARED BY/DATE | 審核/日期<br>CHECKED BY/DATE | 批准/日期<br>APPROVED BY/DATE                                                             |
| 尹艺 2024/07/20             | 蔡纪雨 2024/07/20           |  |

## Test Report

No.: SZXEC24001762603

Date: Jun 25, 2024

Page 1 of 6

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.: SZP24-024492

Sample Receiving Date: Jun 04, 2024

Testing Period: Jun 04, 2024 ~ Jun 12, 2024

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

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

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

| Test Requirement | Conclusion  |
|------------------|-------------|
| Halogen          | See Results |

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

Tina

Tina Fan  
Approved Signatory

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511D8C18



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

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## Test Report

No.: SZXEC24001762603

Date: Jun 25, 2024

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### Test Result(s):

#### Test Part Description:

| SN ID | Sample No. | SGS Sample ID           | Description                                                      |
|-------|------------|-------------------------|------------------------------------------------------------------|
| SN1   | A1         | SZX24-0017626-0001.C001 | Copper-colored metal wire with colorless transparent surface A1# |
| SN2   | A2         | SZX24-0017626-0001.C002 | Silvery metal wire with red surface A2#                          |
| SN3   | A3         | SZX24-0017626-0001.C003 | White material A3#                                               |
| SN4   | A4         | SZX24-0017626-0001.C004 | White material A4#                                               |
| SN5   | A5         | SZX24-0017626-0001.C005 | Dark grey core A5#                                               |
| SN6   | A6         | SZX24-0017626-0001.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 | ND |
| 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  | ND | 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.



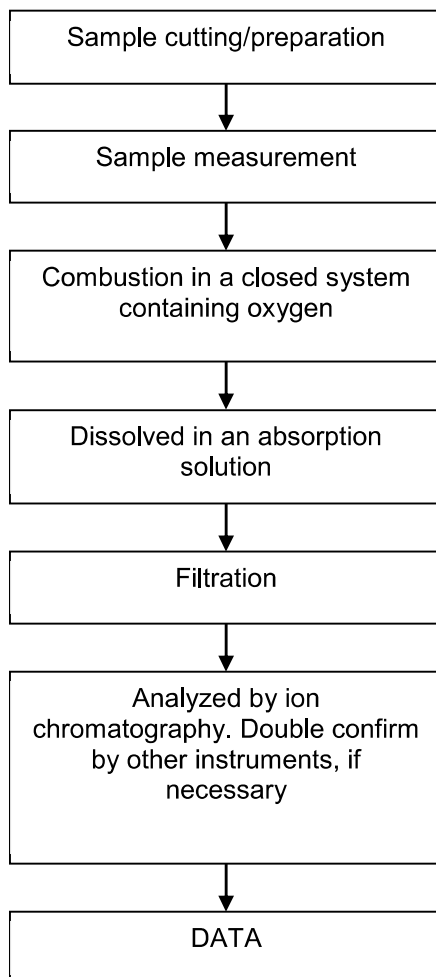
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Shenzhen Branch Testing Center Chemical Laboratory

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#### Halogen Testing Flow Chart



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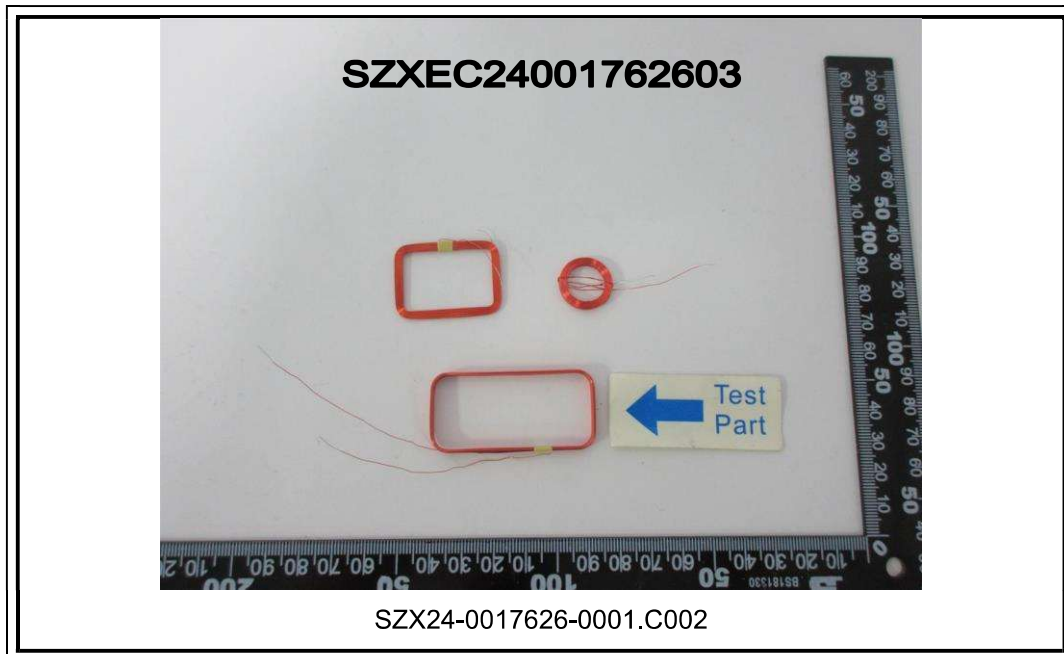
## Test Report

No.: SZXEC24001762603

Date: Jun 25, 2024

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Sample Photo:









SGS authenticate the photo on original report only

\*\*\* End of Report \*\*\*

## Test Report

No.: SZXEC24001762601

Date: Jun 25, 2024

Page 1 of 12

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.: SZP24-024492

Sample Receiving Date: Jun 04, 2024

Testing Period: Jun 04, 2024 ~ Jun 12, 2024

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

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

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

| Test Requirement                                                                                                                                                                                                                                                                                                          | Conclusion |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), 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

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Shenzhen Branch Testing Center Chemical Laboratory

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## Test Report

No.: SZXEC24001762601

Date: Jun 25, 2024

Page 2 of 12

## Test Result(s):

## Test Part Description:

| SN ID | Sample No. | SGS Sample ID           | Description                                                      |
|-------|------------|-------------------------|------------------------------------------------------------------|
| SN1   | A1         | SZX24-0017626-0001.C001 | Copper-colored metal wire with colorless transparent surface A1# |
| SN2   | A2         | SZX24-0017626-0001.C002 | Silvery metal wire with red surface A2#                          |
| SN3   | A3         | SZX24-0017626-0001.C003 | White material A3#                                               |
| SN4   | A4         | SZX24-0017626-0001.C004 | White material A4#                                               |
| SN5   | A5         | SZX24-0017626-0001.C005 | Dark grey core A5#                                               |
| SN6   | A6         | SZX24-0017626-0001.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 (PBB), Polybrominated diphenyl ethers (PBDE), 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/AAS, UV-Vis and GC-MS.

| Test Item(s)                       | Limit | Unit(s) | MDL | A1 | A2 | A3 |
|------------------------------------|-------|---------|-----|----|----|----|
| Lead (Pb)                          | 1000  | mg/kg   | 2   | ND | ND | ND |
| Mercury (Hg)                       | 1000  | mg/kg   | 2   | ND | ND | ND |
| Cadmium (Cd)                       | 100   | mg/kg   | 2   | ND | ND | ND |
| Hexavalent Chromium (Cr(VI))       | 1000  | mg/kg   | 8   | ND | ND | ND |
| Polybromobiphenyl (PBB)            | 1000  | mg/kg   | -   | ND | ND | ND |
| Monobrominated biphenyl (MonoBB)   | -     | mg/kg   | 5   | ND | ND | ND |
| Dibrominated biphenyl (DiBB)       | -     | mg/kg   | 5   | ND | ND | ND |
| Tribrominated biphenyl (TriBB)     | -     | mg/kg   | 5   | ND | ND | ND |
| Tetrabrominated biphenyl (TetraBB) | -     | mg/kg   | 5   | ND | ND | ND |
| Pentabrominated biphenyl (PentaBB) | -     | mg/kg   | 5   | ND | ND | ND |
| Hexabrominated biphenyl (HexaBB)   | -     | mg/kg   | 5   | ND | ND | ND |
| Heptabrominated biphenyl (HeptaBB) | -     | mg/kg   | 5   | ND | ND | ND |
| Octabrominated biphenyl (OctaBB)   | -     | mg/kg   | 5   | ND | ND | ND |
| Nonabrominated biphenyl (NonaBB)   | -     | mg/kg   | 5   | ND | ND | ND |
| Decabrominated biphenyl (DecaBB)   | -     | mg/kg   | 5   | ND | ND | ND |



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| Test Item(s)                              | Limit | Unit(s) | MDL | A1 | A2 | A3 |
|-------------------------------------------|-------|---------|-----|----|----|----|
| Polybromodiphenyl ether(PBDE)             | 1000  | mg/kg   | -   | ND | ND | ND |
| Monobrominated diphenyl ether (MonoBDE)   | -     | mg/kg   | 5   | ND | ND | ND |
| Dibrominated diphenyl ether (DiBDE)       | -     | mg/kg   | 5   | ND | ND | ND |
| Tribrominated diphenyl ether (TriBDE)     | -     | mg/kg   | 5   | ND | ND | ND |
| Tetrabrominated diphenyl ether (TetraBDE) | -     | mg/kg   | 5   | ND | ND | ND |
| Pentabrominated diphenyl ether (PentaBDE) | -     | mg/kg   | 5   | ND | ND | ND |
| Hexabrominated diphenyl ether (HexaBDE)   | -     | mg/kg   | 5   | ND | ND | ND |
| Heptabrominated diphenyl ether (HeptaBDE) | -     | mg/kg   | 5   | ND | ND | ND |
| Octabrominated diphenyl ether (OctaBDE)   | -     | mg/kg   | 5   | ND | ND | ND |
| Nonabrominated diphenyl ether (NonaBDE)   | -     | mg/kg   | 5   | ND | ND | ND |
| Decabrominated diphenyl ether (DecaBDE)   | -     | mg/kg   | 5   | ND | ND | ND |
| Bis-(2-ethylhexyl) Phthalate(DEHP)        | 1000  | mg/kg   | 50  | ND | ND | ND |
| Benzyl Butyl Phthalate(BBP)               | 1000  | mg/kg   | 50  | ND | ND | ND |
| Dibutyl Phthalate(DBP)                    | 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 |
|------------------------------------|-------|---------|-----|----|----|
| Lead (Pb)                          | 1000  | mg/kg   | 2   | ND | ND |
| Mercury (Hg)                       | 1000  | mg/kg   | 2   | ND | ND |
| Cadmium (Cd)                       | 100   | mg/kg   | 2   | ND | ND |
| Hexavalent Chromium (Cr(VI))       | 1000  | mg/kg   | 8   | ND | ND |
| Polybromobiphenyl (PBB)            | 1000  | mg/kg   | -   | ND | ND |
| Monobrominated biphenyl (MonoBB)   | -     | mg/kg   | 5   | ND | ND |
| Dibrominated biphenyl (DiBB)       | -     | mg/kg   | 5   | ND | ND |
| Tribrominated biphenyl (TriBB)     | -     | mg/kg   | 5   | ND | ND |
| Tetrabrominated biphenyl (TetraBB) | -     | mg/kg   | 5   | ND | ND |
| Pentabrominated biphenyl (PentaBB) | -     | mg/kg   | 5   | ND | ND |
| Hexabrominated biphenyl (HexaBB)   | -     | mg/kg   | 5   | ND | ND |
| Heptabrominated biphenyl (HeptaBB) | -     | mg/kg   | 5   | ND | ND |
| Octabrominated biphenyl (OctaBB)   | -     | mg/kg   | 5   | ND | ND |
| Nonabrominated biphenyl (NonaBB)   | -     | mg/kg   | 5   | ND | ND |



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| Test Item(s)                              | Limit | Unit(s) | MDL | A4 | A5 |
|-------------------------------------------|-------|---------|-----|----|----|
| Decabrominated biphenyl (DecaBB)          | -     | mg/kg   | 5   | ND | ND |
| Polybromodiphenyl ether(PBDE)             | 1000  | mg/kg   | -   | ND | ND |
| Monobrominated diphenyl ether (MonoBDE)   | -     | mg/kg   | 5   | ND | ND |
| Dibrominated diphenyl ether (DiBDE)       | -     | mg/kg   | 5   | ND | ND |
| Tribrominated diphenyl ether (TriBDE)     | -     | mg/kg   | 5   | ND | ND |
| Tetrabrominated diphenyl ether (TetraBDE) | -     | mg/kg   | 5   | ND | ND |
| Pentabrominated diphenyl ether (PentaBDE) | -     | mg/kg   | 5   | ND | ND |
| Hexabrominated diphenyl ether (HexaBDE)   | -     | mg/kg   | 5   | ND | ND |
| Heptabrominated diphenyl ether (HeptaBDE) | -     | mg/kg   | 5   | ND | ND |
| Octabrominated diphenyl ether (OctaBDE)   | -     | mg/kg   | 5   | ND | ND |
| Nonabrominated diphenyl ether (NonaBDE)   | -     | mg/kg   | 5   | ND | ND |
| Decabrominated diphenyl ether (DecaBDE)   | -     | mg/kg   | 5   | ND | ND |
| Bis-(2-ethylhexyl) Phthalate(DEHP)        | 1000  | mg/kg   | 50  | ND | ND |
| Benzyl Butyl Phthalate(BBP)               | 1000  | mg/kg   | 50  | ND | ND |
| Dibutyl Phthalate(DBP)                    | 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/AAS, UV-Vis and GC-MS.

| Test Item(s)                     | Limit | Unit(s)            | MDL  | A6 |
|----------------------------------|-------|--------------------|------|----|
| Lead (Pb)                        | 1000  | mg/kg              | 2    | 52 |
| Mercury (Hg)                     | 1000  | mg/kg              | 2    | ND |
| Cadmium (Cd)                     | 100   | mg/kg              | 2    | ND |
| Hexavalent Chromium (Cr(VI))▼    | -     | µg/cm <sup>2</sup> | 0.10 | ND |
| Polybromobiphenyl (PBB)          | 1000  | mg/kg              | -    | ND |
| Monobrominated biphenyl (MonoBB) | -     | mg/kg              | 5    | ND |
| Dibrominated biphenyl (DiBB)     | -     | mg/kg              | 5    | ND |
| Tribrominated biphenyl (TriBB)   | -     | mg/kg              | 5    | ND |



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| Test Item(s)                              | Limit | Unit(s) | MDL | A6 |
|-------------------------------------------|-------|---------|-----|----|
| Tetrabrominated biphenyl (TetraBB)        | -     | mg/kg   | 5   | ND |
| Pentabrominated biphenyl (PentaBB)        | -     | mg/kg   | 5   | ND |
| Hexabrominated biphenyl (HexaBB)          | -     | mg/kg   | 5   | ND |
| Heptabrominated biphenyl (HeptaBB)        | -     | mg/kg   | 5   | ND |
| Octabrominated biphenyl (OctaBB)          | -     | mg/kg   | 5   | ND |
| Nonabrominated biphenyl (NonaBB)          | -     | mg/kg   | 5   | ND |
| Decabrominated biphenyl (DecaBB)          | -     | mg/kg   | 5   | ND |
| Polybromodiphenyl ether (PBDE)            | 1000  | mg/kg   | -   | ND |
| Monobrominated diphenyl ether (MonoBDE)   | -     | mg/kg   | 5   | ND |
| Dibrominated diphenyl ether (DiBDE)       | -     | mg/kg   | 5   | ND |
| Tribrominated diphenyl ether (TriBDE)     | -     | mg/kg   | 5   | ND |
| Tetrabrominated diphenyl ether (TetraBDE) | -     | mg/kg   | 5   | ND |
| Pentabrominated diphenyl ether (PentaBDE) | -     | mg/kg   | 5   | ND |
| Hexabrominated diphenyl ether (HexaBDE)   | -     | mg/kg   | 5   | ND |
| Heptabrominated diphenyl ether (HeptaBDE) | -     | mg/kg   | 5   | ND |
| Octabrominated diphenyl ether (OctaBDE)   | -     | mg/kg   | 5   | ND |
| Nonabrominated diphenyl ether (NonaBDE)   | -     | mg/kg   | 5   | ND |
| Decabrominated diphenyl ether (DecaBDE)   | -     | mg/kg   | 5   | ND |
| Bis-(2-ethylhexyl) Phthalate (DEHP)       | 1000  | mg/kg   | 50  | ND |
| Benzyl Butyl Phthalate (BBP)              | 1000  | mg/kg   | 50  | ND |
| Dibutyl Phthalate (DBP)                   | 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  $\mu\text{g}/\text{cm}^2$ . 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  $\mu\text{g}/\text{cm}^2$ ). The coating is considered a non-Cr(VI) based coating.
  - c. The result between 0.10  $\mu\text{g}/\text{cm}^2$  and 0.13  $\mu\text{g}/\text{cm}^2$  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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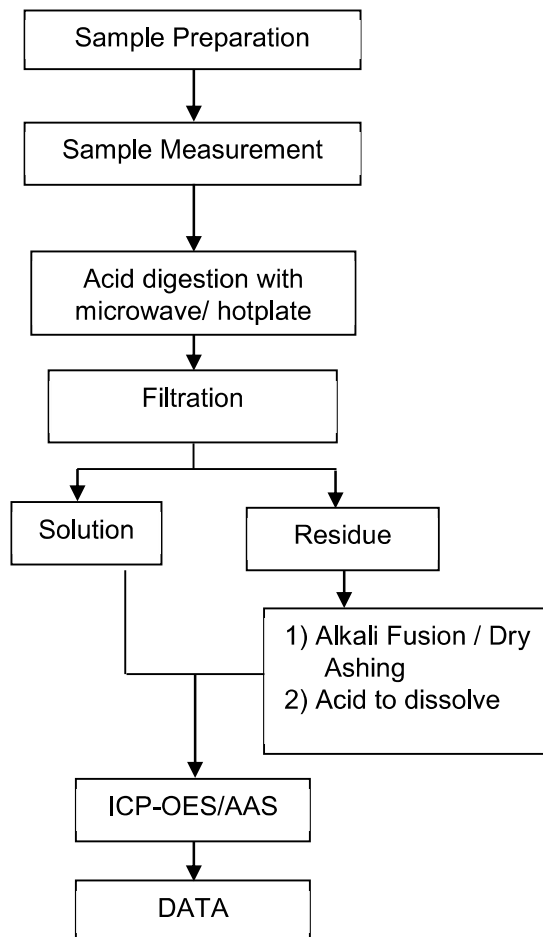
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### Elements Testing Flow Chart

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



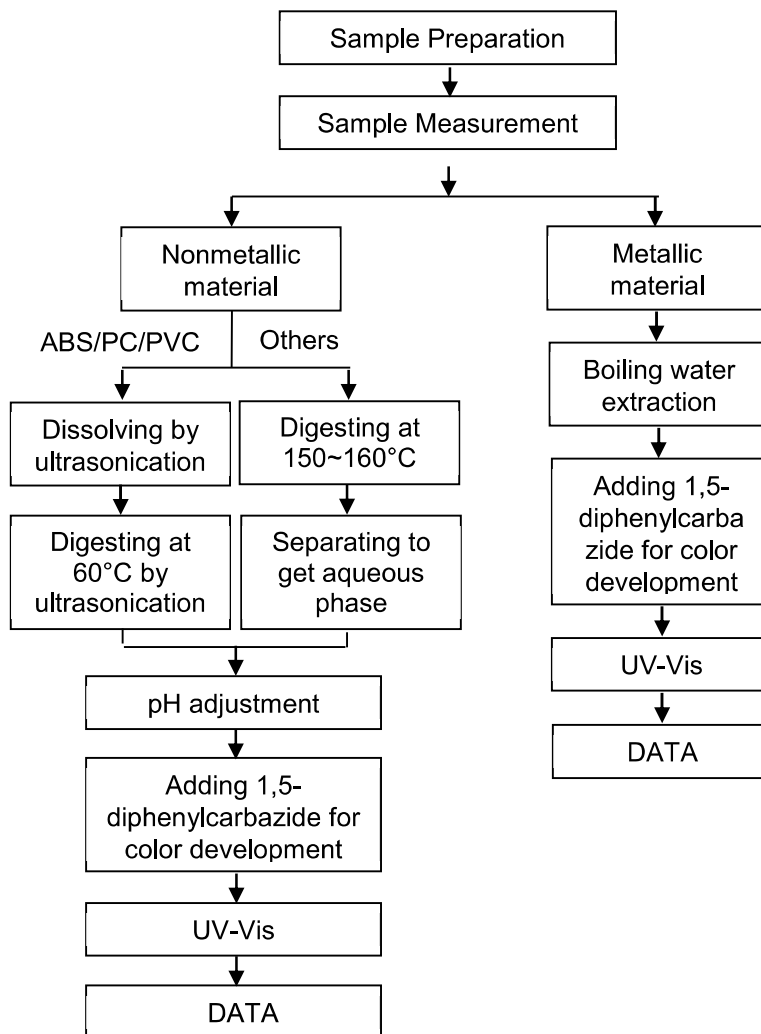
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### Hexavalent Chromium (Cr(VI)) Testing Flow Chart



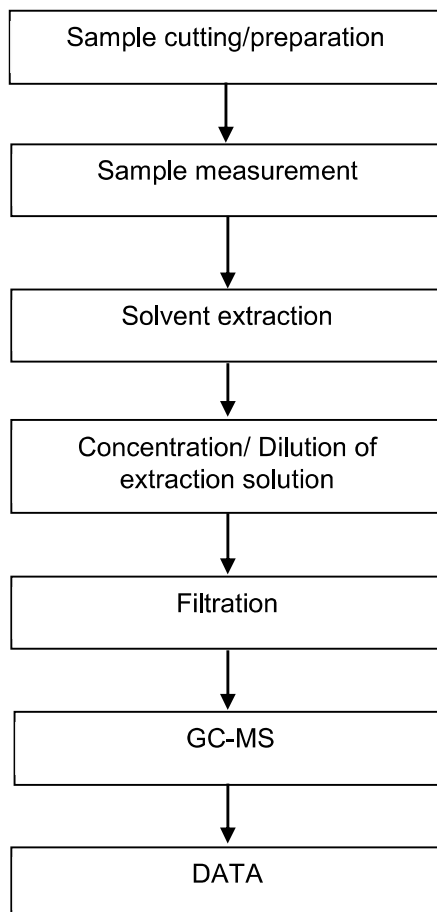
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#### PBB/PBDE Testing Flow Chart



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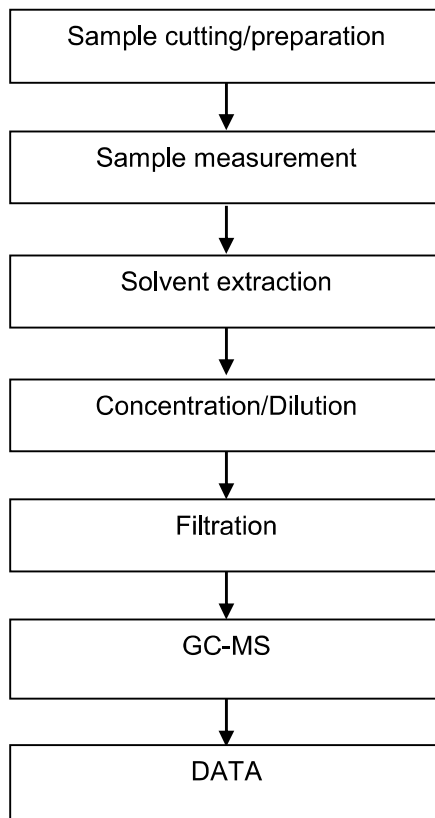
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### Phthalates Testing Flow Chart



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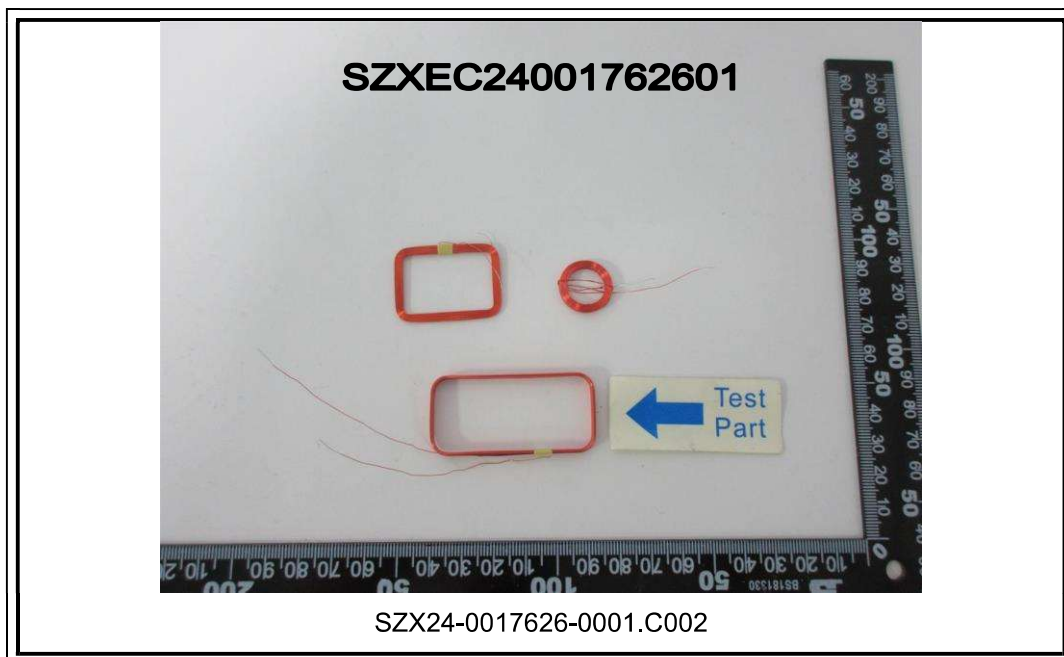
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### Sample Photo:









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