

## Test Report

No.: TAOEC26000845401

Date: Mar 05, 2026

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Client Name: Jinzhou Kaimei Power Co.,Ltd

Client Address: No.141 Jinyi Street ,Linghe District,Jinzhou City, Liaoning Province

Sample Name: LITHIUM BATTERY-TYPE SUPERCAPACITOR

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

SGS Job No.: QDP26-000418

Sample Receiving Date: Jan 30, 2026

Testing Period: Jan 30, 2026 ~ Feb 06, 2026

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

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

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

Signed for and on behalf of  
SGS-CSTC Standards Technical Services (Qingdao) Co., Ltd.

Esther He

Esther He  
Approved Signatory

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## Test Result(s):

## Test Part Description:

| SN ID | Sample No. | SGS Sample ID           | Description                                 |
|-------|------------|-------------------------|---------------------------------------------|
| SN1   | A1         | TAO26-0008454-0001.C001 | Blue plastic with white print               |
| SN2   | A2         | TAO26-0008454-0001.C002 | Green plastic(adhesive tape)                |
| SN3   | A3         | TAO26-0008454-0001.C003 | Copper-colored metal                        |
| SN4   | A4         | TAO26-0008454-0001.C004 | Silvery metal                               |
| SN5   | A5         | TAO26-0008454-0001.C005 | Silvery metal                               |
| SN6   | A6         | TAO26-0008454-0001.C006 | Copper metal with black coating ( mix all*) |
| SN7   | A7         | TAO26-0008454-0001.C007 | White paper                                 |
| SN8   | A8         | TAO26-0008454-0001.C008 | Black rubber                                |
| SN9   | A9         | TAO26-0008454-0001.C009 | Silvery metal                               |

## 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 and IEC 62321-12:2023, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.

| Test Item(s)                       | Limit | Unit(s) | MDL | A1 | A2 | A6 |
|------------------------------------|-------|---------|-----|----|----|----|
| 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 |
| Polybrominated biphenyls (PBB)     | 1000  | mg/kg   | -   | ND | ND | ND |
| Monobrominated biphenyl (MonoBB)   | -     | mg/kg   | 25  | ND | ND | ND |
| Dibrominated biphenyl (DiBB)       | -     | mg/kg   | 25  | ND | ND | ND |
| Tribrominated biphenyl (TriBB)     | -     | mg/kg   | 25  | ND | ND | ND |
| Tetrabrominated biphenyl (TetraBB) | -     | mg/kg   | 25  | ND | ND | ND |
| Pentabrominated biphenyl (PentaBB) | -     | mg/kg   | 25  | ND | ND | ND |
| Hexabrominated biphenyl (HexaBB)   | -     | mg/kg   | 25  | ND | ND | ND |
| Heptabrominated biphenyl (HeptaBB) | -     | mg/kg   | 25  | ND | ND | ND |
| Octabrominated biphenyl (OctaBB)   | -     | mg/kg   | 25  | ND | ND | ND |



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| Test Item(s)                              | Limit | Unit(s) | MDL | A1 | A2 | A6 |
|-------------------------------------------|-------|---------|-----|----|----|----|
| Nonabrominated biphenyl (NonaBB)          | -     | mg/kg   | 25  | ND | ND | ND |
| Decabrominated biphenyl (DecaBB)          | -     | mg/kg   | 25  | ND | ND | ND |
| Polybrominated diphenyl ethers (PBDE)     | 1000  | mg/kg   | -   | ND | ND | ND |
| Monobrominated diphenyl ether (MonoBDE)   | -     | mg/kg   | 25  | ND | ND | ND |
| Dibrominated diphenyl ether (DiBDE)       | -     | mg/kg   | 25  | ND | ND | ND |
| Tribrominated diphenyl ether (TriBDE)     | -     | mg/kg   | 25  | ND | ND | ND |
| Tetrabrominated diphenyl ether (TetraBDE) | -     | mg/kg   | 25  | ND | ND | ND |
| Pentabrominated diphenyl ether (PentaBDE) | -     | mg/kg   | 25  | ND | ND | ND |
| Hexabrominated diphenyl ether (HexaBDE)   | -     | mg/kg   | 25  | ND | ND | ND |
| Heptabrominated diphenyl ether (HeptaBDE) | -     | mg/kg   | 25  | ND | ND | ND |
| Octabrominated diphenyl ether (OctaBDE)   | -     | mg/kg   | 25  | ND | ND | ND |
| Nonabrominated diphenyl ether (NonaBDE)   | -     | mg/kg   | 25  | ND | ND | ND |
| Decabrominated diphenyl ether (DecaBDE)   | -     | mg/kg   | 25  | ND | ND | ND |
| Bis(2-ethylhexyl) phthalate (DEHP)        | 1000  | mg/kg   | 50  | ND | ND | ND |
| Butyl benzyl 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 | A7 | A8 |
|------------------------------------|-------|---------|-----|----|----|
| Lead (Pb)                          | 1000  | mg/kg   | 2   | ND | 5  |
| 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 |
| Polybrominated biphenyls (PBB)     | 1000  | mg/kg   | -   | ND | ND |
| Monobrominated biphenyl (MonoBB)   | -     | mg/kg   | 25  | ND | ND |
| Dibrominated biphenyl (DiBB)       | -     | mg/kg   | 25  | ND | ND |
| Tribrominated biphenyl (TriBB)     | -     | mg/kg   | 25  | ND | ND |
| Tetrabrominated biphenyl (TetraBB) | -     | mg/kg   | 25  | ND | ND |
| Pentabrominated biphenyl (PentaBB) | -     | mg/kg   | 25  | ND | ND |
| Hexabrominated biphenyl (HexaBB)   | -     | mg/kg   | 25  | ND | ND |



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| Test Item(s)                              | Limit | Unit(s) | MDL | A7 | A8 |
|-------------------------------------------|-------|---------|-----|----|----|
| Heptabrominated biphenyl (HeptaBB)        | -     | mg/kg   | 25  | ND | ND |
| Octabrominated biphenyl (OctaBB)          | -     | mg/kg   | 25  | ND | ND |
| Nonabrominated biphenyl (NonaBB)          | -     | mg/kg   | 25  | ND | ND |
| Decabrominated biphenyl (DecaBB)          | -     | mg/kg   | 25  | ND | ND |
| Polybrominated diphenyl ethers (PBDE)     | 1000  | mg/kg   | -   | ND | ND |
| Monobrominated diphenyl ether (MonoBDE)   | -     | mg/kg   | 25  | ND | ND |
| Dibrominated diphenyl ether (DiBDE)       | -     | mg/kg   | 25  | ND | ND |
| Tribrominated diphenyl ether (TriBDE)     | -     | mg/kg   | 25  | ND | ND |
| Tetrabrominated diphenyl ether (TetraBDE) | -     | mg/kg   | 25  | ND | ND |
| Pentabrominated diphenyl ether (PentaBDE) | -     | mg/kg   | 25  | ND | ND |
| Hexabrominated diphenyl ether (HexaBDE)   | -     | mg/kg   | 25  | ND | ND |
| Heptabrominated diphenyl ether (HeptaBDE) | -     | mg/kg   | 25  | ND | ND |
| Octabrominated diphenyl ether (OctaBDE)   | -     | mg/kg   | 25  | ND | ND |
| Nonabrominated diphenyl ether (NonaBDE)   | -     | mg/kg   | 25  | ND | ND |
| Decabrominated diphenyl ether (DecaBDE)   | -     | mg/kg   | 25  | ND | ND |
| Bis(2-ethylhexyl) phthalate (DEHP)        | 1000  | mg/kg   | 50  | ND | ND |
| Butyl benzyl 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.
- (4) For sample A6: Hexavalent Chromium was not detected on the sample. Analysis was performed by IEC 62321-7-1:2015 boiling-water-extraction.

**Test Method:** With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-1:2015 and IEC 62321-12:2023, analysis was performed by ICP-OES/AAS, UV-Vis and GC-MS.



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| Test Item(s)                              | Limit | Unit(s)            | MDL  | A3 | A4 | A5 |
|-------------------------------------------|-------|--------------------|------|----|----|----|
| 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))▼             | -     | µg/cm <sup>2</sup> | 0.10 | ND | ND | ND |
| Polybrominated biphenyls (PBB)            | 1000  | mg/kg              | -    | ND | ND | ND |
| Monobrominated biphenyl (MonoBB)          | -     | mg/kg              | 25   | ND | ND | ND |
| Dibrominated biphenyl (DiBB)              | -     | mg/kg              | 25   | ND | ND | ND |
| Tribrominated biphenyl (TriBB)            | -     | mg/kg              | 25   | ND | ND | ND |
| Tetrabrominated biphenyl (TetraBB)        | -     | mg/kg              | 25   | ND | ND | ND |
| Pentabrominated biphenyl (PentaBB)        | -     | mg/kg              | 25   | ND | ND | ND |
| Hexabrominated biphenyl (HexaBB)          | -     | mg/kg              | 25   | ND | ND | ND |
| Heptabrominated biphenyl (HeptaBB)        | -     | mg/kg              | 25   | ND | ND | ND |
| Octabrominated biphenyl (OctaBB)          | -     | mg/kg              | 25   | ND | ND | ND |
| Nonabrominated biphenyl (NonaBB)          | -     | mg/kg              | 25   | ND | ND | ND |
| Decabrominated biphenyl (DecaBB)          | -     | mg/kg              | 25   | ND | ND | ND |
| Polybrominated diphenyl ethers (PBDE)     | 1000  | mg/kg              | -    | ND | ND | ND |
| Monobrominated diphenyl ether (MonoBDE)   | -     | mg/kg              | 25   | ND | ND | ND |
| Dibrominated diphenyl ether (DiBDE)       | -     | mg/kg              | 25   | ND | ND | ND |
| Tribrominated diphenyl ether (TriBDE)     | -     | mg/kg              | 25   | ND | ND | ND |
| Tetrabrominated diphenyl ether (TetraBDE) | -     | mg/kg              | 25   | ND | ND | ND |
| Pentabrominated diphenyl ether (PentaBDE) | -     | mg/kg              | 25   | ND | ND | ND |
| Hexabrominated diphenyl ether (HexaBDE)   | -     | mg/kg              | 25   | ND | ND | ND |
| Heptabrominated diphenyl ether (HeptaBDE) | -     | mg/kg              | 25   | ND | ND | ND |
| Octabrominated diphenyl ether (OctaBDE)   | -     | mg/kg              | 25   | ND | ND | ND |
| Nonabrominated diphenyl ether (NonaBDE)   | -     | mg/kg              | 25   | ND | ND | ND |
| Decabrominated diphenyl ether (DecaBDE)   | -     | mg/kg              | 25   | ND | ND | ND |
| Bis(2-ethylhexyl) phthalate (DEHP)        | 1000  | mg/kg              | 50   | ND | ND | ND |
| Butyl benzyl phthalate (BBP)              | 1000  | mg/kg              | 50   | ND | ND | ND |
| Dibutyl Phthalate (DBP)                   | 1000  | mg/kg              | 50   | ND | ND | ND |



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| Test Item(s)                | Limit | Unit(s) | MDL | A3 | A4 | A5 |
|-----------------------------|-------|---------|-----|----|----|----|
| Diisobutyl Phthalate (DIBP) | 1000  | mg/kg   | 50  | ND | ND | ND |

| Test Item(s)                              | Limit | Unit(s)            | MDL  | A9 |
|-------------------------------------------|-------|--------------------|------|----|
| Lead (Pb)                                 | 1000  | mg/kg              | 2    | 11 |
| 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 |
| Polybrominated biphenyls (PBB)            | 1000  | mg/kg              | -    | ND |
| Monobrominated biphenyl (MonoBB)          | -     | mg/kg              | 25   | ND |
| Dibrominated biphenyl (DiBB)              | -     | mg/kg              | 25   | ND |
| Tribrominated biphenyl (TriBB)            | -     | mg/kg              | 25   | ND |
| Tetrabrominated biphenyl (TetraBB)        | -     | mg/kg              | 25   | ND |
| Pentabrominated biphenyl (PentaBB)        | -     | mg/kg              | 25   | ND |
| Hexabrominated biphenyl (HexaBB)          | -     | mg/kg              | 25   | ND |
| Heptabrominated biphenyl (HeptaBB)        | -     | mg/kg              | 25   | ND |
| Octabrominated biphenyl (OctaBB)          | -     | mg/kg              | 25   | ND |
| Nonabrominated biphenyl (NonaBB)          | -     | mg/kg              | 25   | ND |
| Decabrominated biphenyl (DecaBB)          | -     | mg/kg              | 25   | ND |
| Polybrominated diphenyl ethers (PBDE)     | 1000  | mg/kg              | -    | ND |
| Monobrominated diphenyl ether (MonoBDE)   | -     | mg/kg              | 25   | ND |
| Dibrominated diphenyl ether (DiBDE)       | -     | mg/kg              | 25   | ND |
| Tribrominated diphenyl ether (TriBDE)     | -     | mg/kg              | 25   | ND |
| Tetrabrominated diphenyl ether (TetraBDE) | -     | mg/kg              | 25   | ND |
| Pentabrominated diphenyl ether (PentaBDE) | -     | mg/kg              | 25   | ND |
| Hexabrominated diphenyl ether (HexaBDE)   | -     | mg/kg              | 25   | ND |
| Heptabrominated diphenyl ether (HeptaBDE) | -     | mg/kg              | 25   | ND |
| Octabrominated diphenyl ether (OctaBDE)   | -     | mg/kg              | 25   | ND |
| Nonabrominated diphenyl ether (NonaBDE)   | -     | mg/kg              | 25   | ND |
| Decabrominated diphenyl ether (DecaBDE)   | -     | mg/kg              | 25   | ND |



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| Test Item(s)                       | Limit | Unit(s) | MDL | A9 |
|------------------------------------|-------|---------|-----|----|
| Bis(2-ethylhexyl) phthalate (DEHP) | 1000  | mg/kg   | 50  | ND |
| Butyl benzyl 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 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.

Remark: \*The sample(s) was/were analyzed on behalf of the applicant as mixing sample in one testing. The above result(s) was/were only given as the informality value and only for reference.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.



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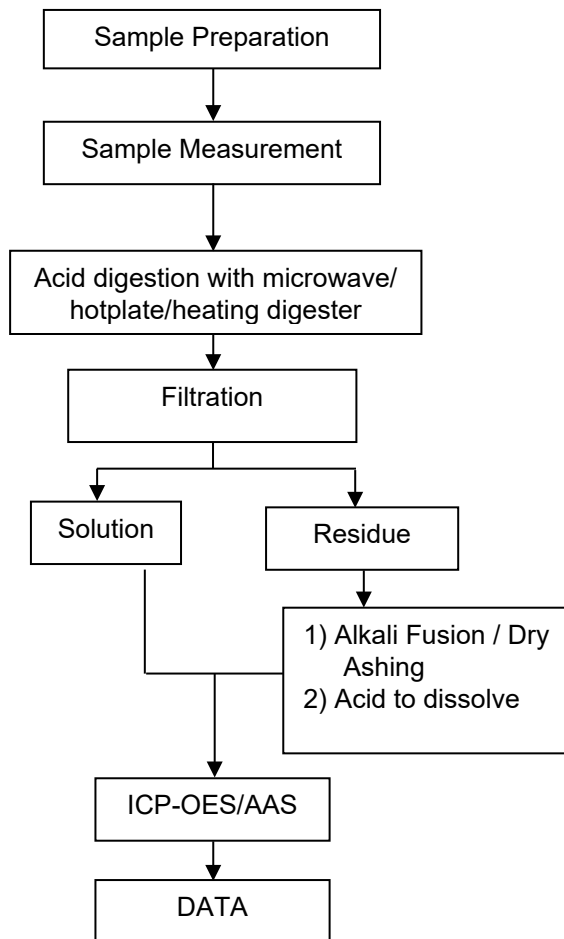
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### Elements Testing Flow Chart

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



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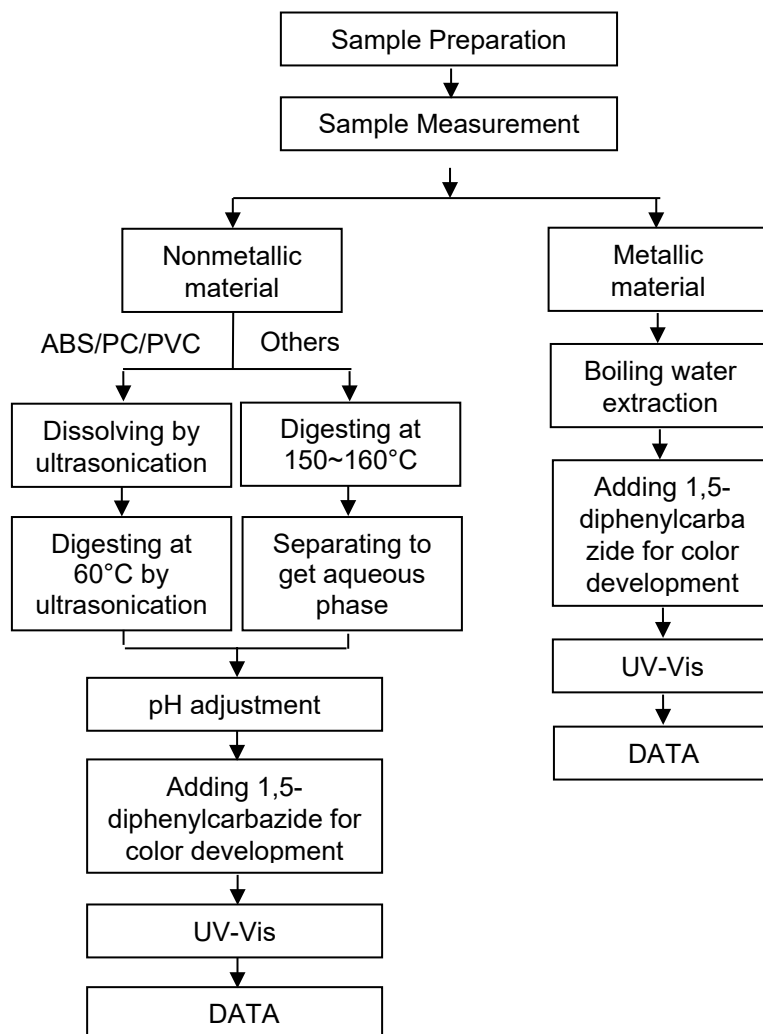
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#### Hexavalent Chromium (Cr(VI)) Testing Flow Chart



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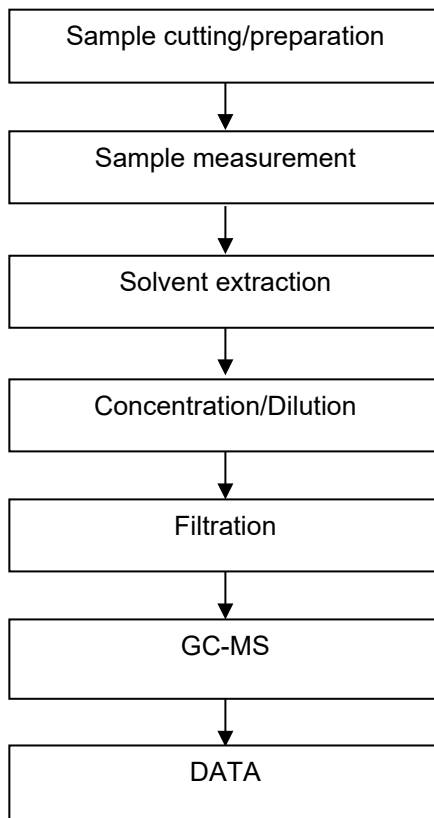
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#### PBB(s)/PBDE(s)/Phthalates Testing Flow Chart



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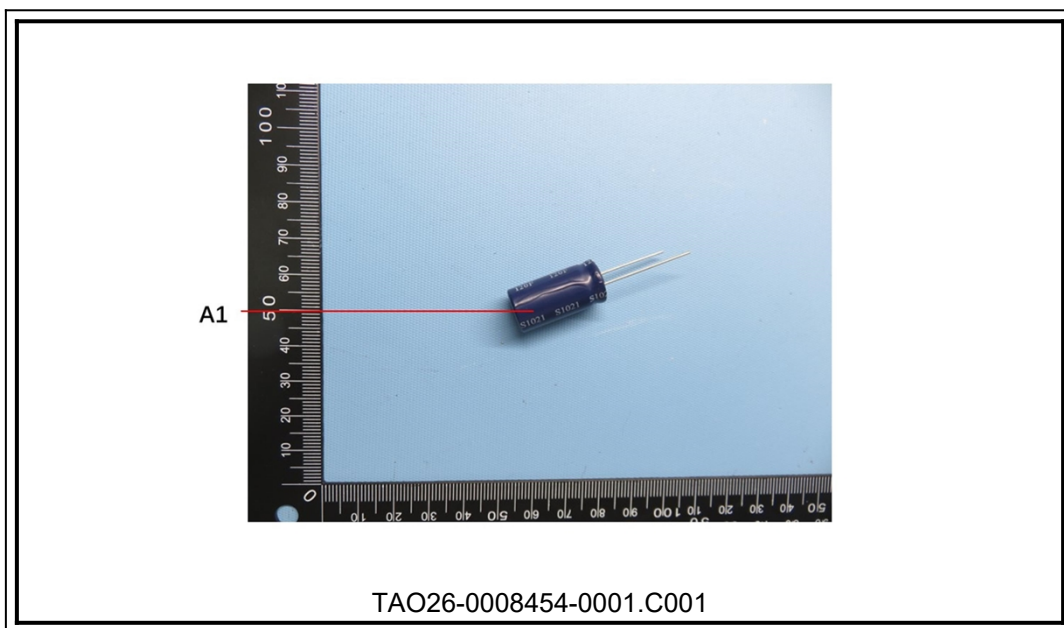
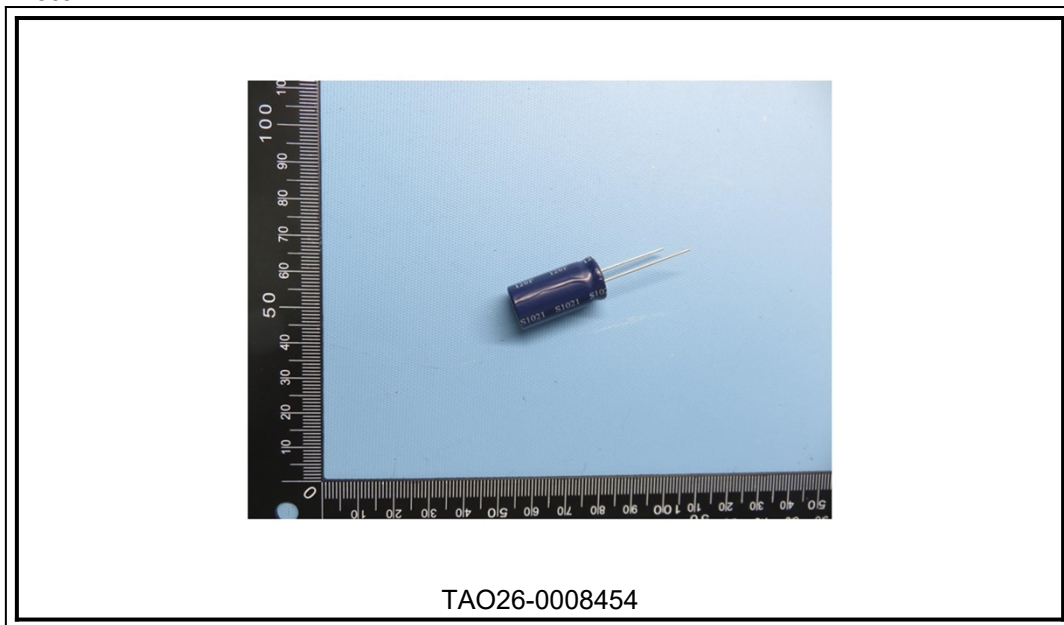
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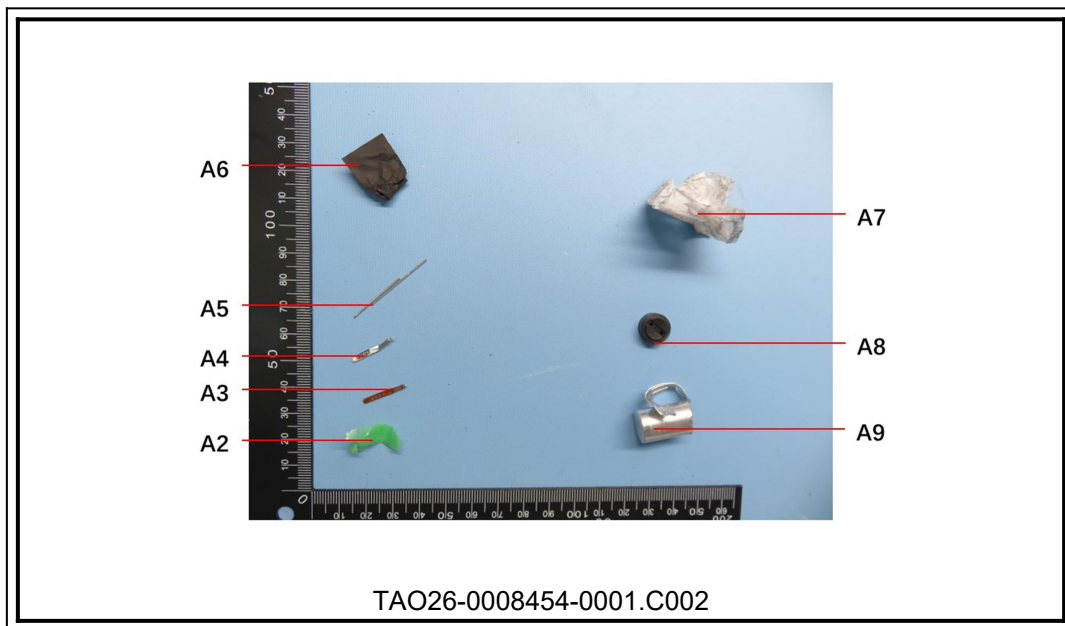
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