

## Test Report

No.: CANEC23001566310

Date: Apr 21, 2023

Page 1 of 8

Client Name: SHENZHEN HOPE MICROELECTRONICS CO.,LTD

Client Address: 30TH FLOOR OF 8TH BUILDING, C ZONE, VANKE CLOUD CITY, XILI TOWN,NANSHAN DISTRICT,SHENZHEN,CHINA

Sample Name: Bluetooth Module

Model No.: HM-BT4501

Client Ref. Information: HM-BT2101、HM-BT2102、HM-BT2201、HM-BT220XL、HM-BT2201L、HM-BT2202、HM-BT2202L、HM-BT2204、HM-BT2204L、HM-BT4502、HM-BT4502A、HM-BT4502AR、HM-BT4502B、HM-BT4502BR、HM-BT4502R、HM-BT4502C、HM-BT4503、HM-BT4506B、HM-BT4506C、HM-BT4506X、HM-BT4522、HM-BT4552、HM-BT5601、HM-BT5601A、HM-BT800、HM-BT800B、HM-BT8016A、HM-BT8810

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

SGS Job No.: CP23-016573

Sample Receiving Date: Apr 10, 2023

Testing Period: Apr 10, 2023 ~ Apr 14, 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).

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

Jany Zhong

Jany Zhong  
Approved Signatory

scan to see the report



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SGS-CSTC Standards Technical Services Co., Ltd.  
Guangzhou Branch

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**Test Result(s):**

Test Part Description:

| SN ID | Sample No. | SGS Sample ID           | Description             |
|-------|------------|-------------------------|-------------------------|
| SN1   | A10        | CAN23-0015663-0001.C010 | Bluetooth Module(mixed) |

Remarks:

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

**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)                       | Unit(s) | MDL | A10 |
|------------------------------------|---------|-----|-----|
| Cadmium(Cd)                        | mg/kg   | 2   | ND  |
| Lead (Pb)                          | mg/kg   | 2   | 10  |
| Mercury (Hg)                       | mg/kg   | 2   | ND  |
| Hexavalent Chromium (Cr(VI))       | mg/kg   | 8   | ND  |
| Polybromobiphenyl (PBBs)           | 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)     | 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  |
| Decabromodiphenylether (DecaBDE)   | mg/kg   | 5   | ND  |
| Dibutyl Phthalate(DBP)             | mg/kg   | 50  | ND  |
| Butyl Benzyl Phthalate(BBP)        | mg/kg   | 50  | ND  |
| Bis-(2-ethylhexyl) Phthalate(DEHP) | mg/kg   | 50  | ND  |



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# Test Report

No.: CANEC23001566310

Date: Apr 21, 2023

Page 3 of 8

| Test Item(s)               | Unit(s) | MDL | A10 |
|----------------------------|---------|-----|-----|
| Diisobutyl Phthalate(DIBP) | mg/kg   | 50  | ND  |

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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### Elements Testing Flow Chart

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



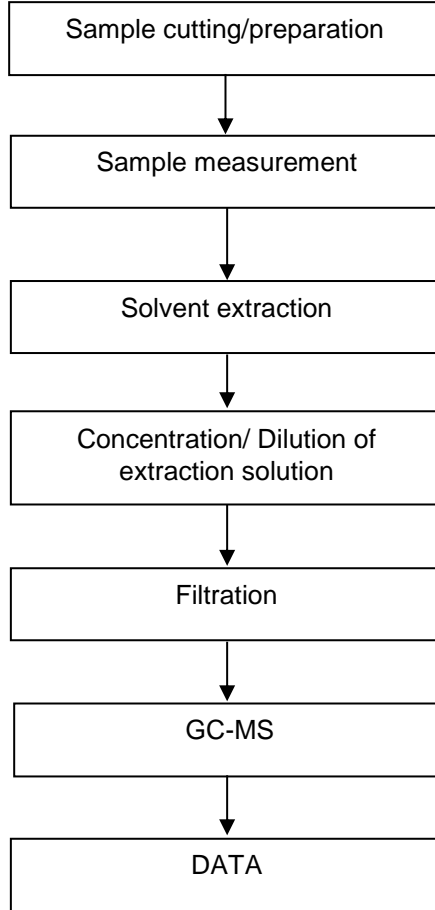
ATTACHMENTS

Hexavalent Chromium (Cr(VI)) Testing Flow Chart

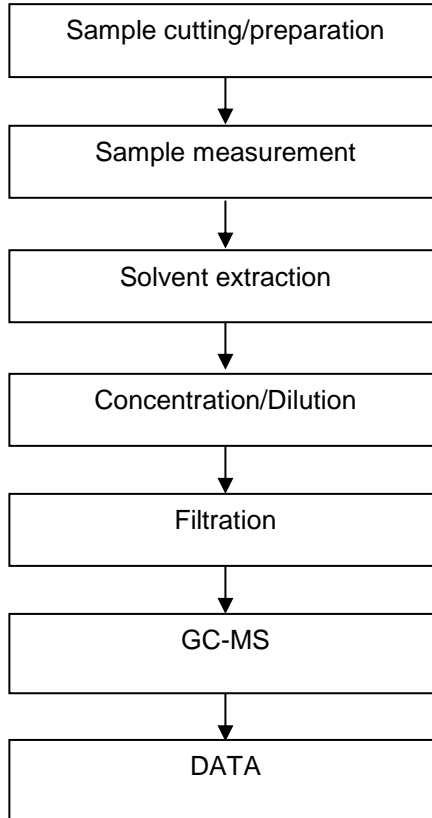


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### PBBs/PBDEs Testing Flow Chart



### Phthalates Testing Flow Chart



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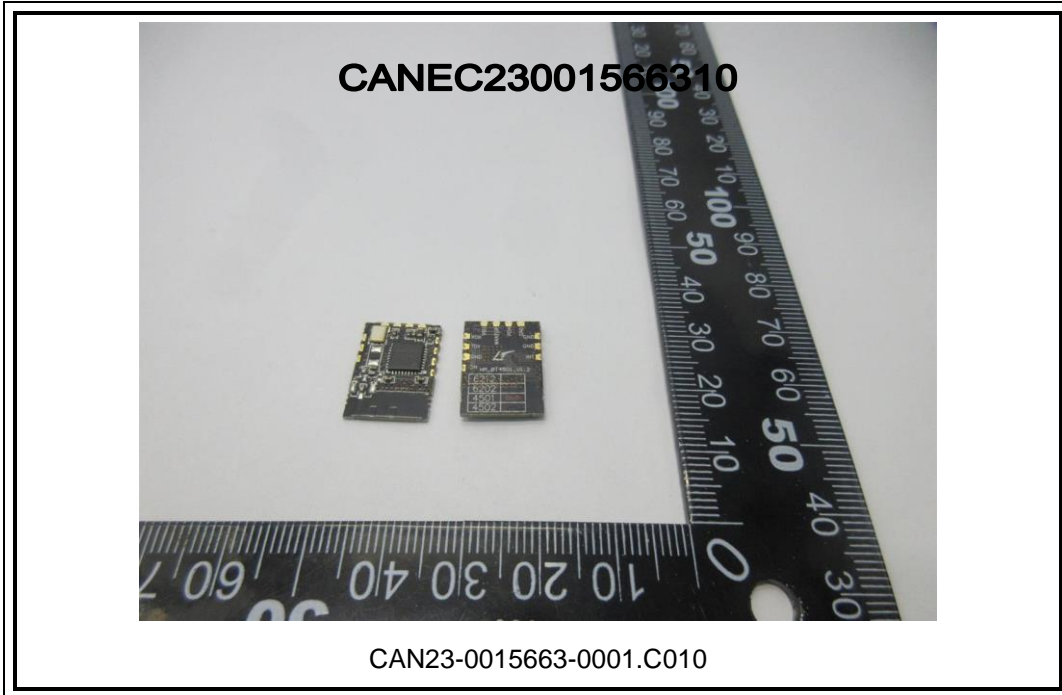
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Date: Apr 21, 2023

Page 8 of 8

Sample Photo:



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



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