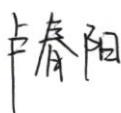


**RoHS TEST REPORT No.I15Z43032-SEM09**

Applicant Name: Shanghai Simcom Limited
Applicant Address: Building A, SIM Technology Building, No.633 Jinzhong Road, Changning District, Shanghai, P.R .China
Manufacture Name: Shanghai Simcom Limited
Manufacture Address: Building A, SIM Technology Building, No.633 Jinzhong Road, Changning District, Shanghai, P.R .China
Product Name: Wireless Module
Product Model: SIM5320J
Date of Sample received: 2015-12-07
Date of Test Finished: 2015-12-17
Test Requested: With reference to RoHS Directive 2011/65/EU recasting 2002/95/EC
Test Method: Please refer to next page(s)
Test Result: Please refer to next page(s)
Test Conclusion: Based on the verification results of the submitted samples, the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyl (PBBs), Polybrominated diphenyl ethers (PBDEs) comply with the limits as set by RoHS Directive 2011/65/EU Annex II; recasting 2002/95/EC.

Chief tester: Zhang Xiaoguang

Approved by: **Note:**

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of CTTL.

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Reference Method

1. With reference to IEC 62321-2:2013, review was performed for the samples disjointed from the submitted articles.
2. With reference to IEC 62321-1:2013, tests were performed for the samples indicated by the photos in the report.
 - (1) With reference to IEC 62321-3-1:2013, screening by EDXRF Spectroscopy;
 - (2) Wet Chemical Test Method:
 - a. With reference to IEC 62321-5:2013, determination of Cadmium and Lead by ICP-OES;
 - b. With reference to IEC 62321-4:2013, determination of Mercury by ICP-OES;
 - c. With reference to IEC 62321-7-1:2015, determination of Hexavalent Chromium by spot test, with reference to IEC 62321:2008, determination of Hexavalent Chromium by Colorimetric Method using UV-Vis;
 - d. With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS.

Test Results

| Test results (Unit: mg/kg) | | | | | | | | | | |
|----------------------------|---------------------------|---|---------------------|--------|------------------|--------------------|-------------------|---------|--------------------|--|
| No. | Part No. | Description | Material type | Figure | X-ray Screening | | Spot-test /UV-vis | ICP-OES | GC/MS for PBB/PBDE | |
| | | | | | Element | Data | | | | |
| 1 | SIM5320 PCB V1.03 | PCB SIM5320 MAIN HDI PCB V1.03 RO | Composite Materials | | Pb | BL | - | - | | |
| | | | | | Cd | BL | | | | |
| | | | | | Hg | BL | | | | |
| | | | | | Cr | BL | | | | |
| | | | | | Br | 1.03×10^5 | | | | |
| | | | | | Cr ⁶⁺ | - | | | | |
| | | | | | PBB | | | | | |
| | | | | | PBDE | | | | | |
| 2 | QSC-6270-0-424CSP-TR-0C-0 | BB HSDPA/WCDM A+GSM/EDGE 230MHZ CSP424 RO | Composite Materials | | Pb | BL | - | - | | |
| | | | | | Cd | BL | | | | |
| | | | | | Hg | BL | | | | |
| | | | | | Cr | BL | | | | |
| | | | | | Br | BL | | | | |
| | | | | | Cr ⁶⁺ | - | | | | |
| | | | | | PBB | | | | | |
| | | | | | PBDE | | | | | |
| 3 | TY890A111 411KA | MEMO 512M16NAND+ 256M16DDR 1.8V BGA130 RO | Composite Materials | | Pb | BL | - | - | | |
| | | | | | Cd | BL | | | | |
| | | | | | Hg | BL | | | | |
| | | | | | Cr | BL | | | | |
| | | | | | Br | BL | | | | |
| | | | | | Cr ⁶⁺ | - | | | | |
| | | | | | PBB | | | | | |
| | | | | | PBDE | | | | | |
| 4 | FM64D1G5 6A-5BAGE | MEMO 1G16NAND+25 6M16DDR1 1.8V BGA130 RO | Composite Materials | | Pb | BL | - | - | | |
| | | | | | Cd | BL | | | | |
| | | | | | Hg | BL | | | | |
| | | | | | Cr | BL | | | | |
| | | | | | Br | BL | | | | |
| | | | | | Cr ⁶⁺ | - | | | | |
| | | | | | PBB | | | | | |
| | | | | | PBDE | | | | | |
| 5 | ACPM-520 5-TR1 | RF PA WCDMA850 3*3MM 10PIN RO | Composite Materials | | Pb | BL | - | - | | |
| | | | | | Cd | BL | | | | |
| | | | | | Hg | BL | | | | |
| | | | | | Cr | BL | | | | |
| | | | | | Br | BL | | | | |
| | | | | | Cr ⁶⁺ | - | | | | |
| | | | | | PBB | | | | | |
| | | | | | PBDE | | | | | |
| 6 | ACPM-520 2-LR1 | RF PA WCDMA1900 3*3MM 10PIN RO | Composite Materials | | Pb | BL | - | - | | |
| | | | | | Cd | BL | | | | |
| | | | | | Hg | BL | | | | |
| | | | | | Cr | BL | | | | |
| | | | | | Br | BL | | | | |
| | | | | | Cr ⁶⁺ | - | | | | |
| | | | | | PBB | | | | | |
| | | | | | PBDE | | | | | |
| 7 | TQM7M502 2 | PA GSM Q-BAND POLAR 5*5 RO | Composite Materials | | Pb | BL | - | - | | |
| | | | | | Cd | BL | | | | |
| | | | | | Hg | BL | | | | |
| | | | | | Cr | BL | | | | |
| | | | | | Br | BL | | | | |
| | | | | | Cr ⁶⁺ | - | | | | |
| | | | | | PBB | | | | | |
| | | | | | PBDE | | | | | |

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| Test results (Unit: mg/kg) | | | | | | | | | |
|----------------------------|----------------------------|--|---------------------|--------|------------------|------|-------------------|---------|--------------------|
| No. | Part No. | Description | Material type | Figure | X-ray Screening | | Spot-test /UV-vis | ICP-OES | GC/MS for PBB/PBDE |
| | | | | | Element | Data | | | |
| 8 | SAYFP836 MCA0F00R 15 | SAW DPX W/CDMA800 50/50/100R 2.5*2.0 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 9 | LMSP2PQ K-857TEM P | ASM SP9T Q-BAND GSM/TD/UMTS* 3.2.5*2.5 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 10 | SAWEN1G 84BH0F00 R15 | SAW RX GSM1800/1900 50R/150R 1.8*1.35 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 11 | SAFEA942 MFL0F00R 15 | IC SAW GSM942.5MHZ 1.4*1.1 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 12 | SAFEB1G8 8KA0F00 | SAW TX CDMA1900 50/50R 1.4*1 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 13 | SC-32S(9P F,20PPM) | CRY 32.768K 9PF +/-20PPM 3.2*1.5 RO | Metal | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | - | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 14 | NLX1G74M UTCG | D-TYPE FLIT-FLOP UQFN8 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |

| Test results (Unit: mg/kg) | | | | | | | | | |
|----------------------------|----------------------------|--|---------------------|--------|------------------|------|-------------------|---------|--------------------|
| No. | Part No. | Description | Material type | Figure | X-ray Screening | | Spot-test /UV-vis | ICP-OES | GC/MS for PBB/PBDE |
| | | | | | Element | Data | | | |
| 15 | BAT54L,31 5 | DIO SCHOTTKY VR=30V IO=200MA SOD882 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 16 | ESD9B5V- 2/TR | ESD 5.0V VPP=8KV 30PF 1.0X0.6MM RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 17 | SAFEB1G5 7FM0F00R 15 | SAW GPS1575.5MHZ 50/100R 1.35*1.05 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 18 | TXB0102Y ZPR | LEVEL SHIFT 2BIT DUAL-SUPPLY BGA8 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 19 | FWF132KK | GPS RECEIVER RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 20 | C0201C0G 390J250NT A | CAP COG 39PF +/-5% 50V CH0201 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 21 | C0201C0G 330J250NT A | CAP COG 33PF +/-5% 25V CH0201 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |

| Test results (Unit: mg/kg) | | | | | | | | | |
|----------------------------|----------------------------|---|---------------------|---|------------------|------|-------------------|---------|--------------------|
| No. | Part No. | Description | Material type | Figure | X-ray Screening | | Spot-test /UV-vis | ICP-OES | GC/MS for PBB/PBDE |
| | | | | | Element | Data | | | |
| 22 | F950J107M SAAQ2 | CAP STA 100UF +/-20% 6.3V 321610 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 23 | GRM033R6 1A104KE1 5D | CAP X5R 100NF +/-10% 10V CH0201 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 24 | C0201X5R 104K100NT A | CAP X5R 100NF +/-10% 10V CH0201 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 25 | C0201C0G 101J250NT A | CAP CM1 100PF +/-5% 25V CH0201 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 26 | GRM0335C 1H101JA01 D | CAP CM1 100PF +/-5% 50V CH0201 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 27 | CC0201JR NPO9BN10 1 | CAP CM1 100PF +/-5% 50V CH0201 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 28 | HK0603 15NJ-T | IND_HIGH_15N H_+/-5%_CH02 01 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |

| Test results (Unit: mg/kg) | | | | | | | | | |
|----------------------------|--------------------|---|---------------------|--------|------------------|------|-------------------|---------|--------------------|
| No. | Part No. | Description | Material type | Figure | X-ray Screening | | Spot-test /UV-vis | ICP-OES | GC/MS for PBB/PBDE |
| | | | | | Element | Data | | | |
| 29 | LQP03TN1 5NH02D | IND HQ CHIP COIL 15NH +/-3% CH0201 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 30 | LQP03TN3 N9B02D | IND HQ CHIP COIL 3.9NH +/-1% CH0201 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 31 | RC0201FR-071KL | RES MF 1K +/-1% 1/20W CH0201 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 32 | 0201WMF1 001TCE | RES MF 1K +/-1% 1/20W CH0201 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 33 | RM02FTN1 001 | RES MF 1K +/-1% 1/20W CH0201 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 34 | RC0201JR-071KL | RES MF 1K +/-5% 1/20W CH0201 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 35 | RC0201FR-0718RL | RES MF 18R +/-1% 1/20W CH0201 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |

| Test results (Unit: mg/kg) | | | | | | | | | |
|----------------------------|----------------------------|---|---------------------|--------|------------------|------|-------------------|---------|--------------------|
| No. | Part No. | Description | Material type | Figure | X-ray Screening | | Spot-test /UV-vis | ICP-OES | GC/MS for PBB/PBDE |
| | | | | | Element | Data | | | |
| 36 | RC0201JR-0718RL | RES MF 18R +/-5% 1/20W CH0201 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 37 | RC0201FR-07330RL | RES MF 330R +/-1% 1/20W CH0201 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 38 | 0201WMF3 300TCE | RES MF 330R +/-1% 1/20W CH0201 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 39 | RC0201JR-072K2L | RES_MF_2.2K_ +/%_1/20W_C H0201 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 40 | 0201WMJ0 222TCE | RES_MF_2.2K_ +/%_1/20W_C H0201 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 41 | C0201C0G 120J250NT A | CAP CM1 12PF +/-5% 25V CH0201 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 42 | C0201C0G 220J500NT A | CAP COG 22PF +/-5% 50V CH0201 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |

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| Test results (Unit: mg/kg) | | | | | | | | | |
|----------------------------|---------------------------|---|---------------------|--------|------------------|------|-------------------|---------|--------------------|
| No. | Part No. | Description | Material type | Figure | X-ray Screening | | Spot-test /UV-vis | ICP-OES | GC/MS for PBB/PBDE |
| | | | | | Element | Data | | | |
| 43 | CC0201JR NPO8BN22 0 | CAP CM1 22PF +/-5% 25V CH0201 RO | Composite Materials | | Pb | BL | - | - | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 44 | LQP03TN1 N0B02D | IND HQ 1NH +/-0.1NH CH0201 RO | Composite Materials | | Pb | BL | - | - | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 45 | LQP03TN4 N7H02D | IND HQ CHIP COIL 4.7NH +/-3% CH0201 RO | Composite Materials | | Pb | BL | - | - | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 46 | LQP03TN3 N3B02D | IND HIGH 3.3NH +/-0.1NH CH0201 RO | Composite Materials | | Pb | BL | - | - | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 47 | LQP03TN1 0NH02D | IND HQ CHIP COIL 10NH +/-3% CH0201 RO | Composite Materials | | Pb | BL | - | - | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 48 | RC0201JR- 070RL | RES MF 0R +/-5% 1/20W CH0201 RO | Composite Materials | | Pb | BL | - | - | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 49 | 0201WMJ0 000TCE | RES MF 0R +/-5% 1/20W CH0201 RO | Composite Materials | | Pb | BL | - | - | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |

| Test results (Unit: mg/kg) | | | | | | | | | |
|----------------------------|----------------------|-------------------------------------|---------------------|--------|------------------|------|-------------------|---------|--------------------|
| No. | Part No. | Description | Material type | Figure | X-ray Screening | | Spot-test /UV-vis | ICP-OES | GC/MS for PBB/PBDE |
| | | | | | Element | Data | | | |
| 50 | RC0201JR-0751RL | RES_MF_51R_+/-5%_1/20W_C H0201 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 51 | 0201WMJ0 510TCE | RES_MF_51R_+/-5%_1/20W_C H0201 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 52 | CL05A105 KQ5NNNC | CAP X5R 1UF +/-10% 6.3V CH0402 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 53 | LMK105 BJ105KV-F | CAP X5R 1UF +/-10% 10V CH0402 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 54 | CL05A105 K05NNC | CAP X5R 1UF +/-10% 16V CH0402 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 55 | C0402X5R 105K160N TB | CAP X5R 1UF +/-10% 16V CH0402 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 56 | CL05A225 MQ5NSNC | CAP X5R 2.2UF +/-20% 6.3V CH0402 RO | Composite Materials | | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |

| Test results (Unit: mg/kg) | | | | | | | | | |
|----------------------------|----------------------------|---|---------------------|---|------------------|------|-------------------|---------|--------------------|
| No. | Part No. | Description | Material type | Figure | X-ray Screening | | Spot-test /UV-vis | ICP-OES | GC/MS for PBB/PBDE |
| | | | | | Element | Data | | | |
| 57 | CL10A106 MQ8NNNC | CAP X5R 10UF +/-20% 6.3V CH0603 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 58 | JMK105BB J475MV-F | CAP X5R 4.7UF +/-20% 6.3V CH0402 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 59 | C0201X7R 103K100NT A | CAP X7R 10NF +/-10% 10V CH0201 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 60 | GRM03R7 1E271KA0 1D | CAP COG 270PF +/-10% 25V CH0201 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 61 | CC0201KR X7R8BB27 1 | CAP COG 270PF +/-10% 25V CH0201 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 62 | C0201X7R 102K250NT A | CAP X7R 1NF +/-10% 25V CH0201 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 63 | LQM2HPN 4R7MG0D | IND LOW 4.7UH +/-20% CH 2.5*2.0 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |

| Test results (Unit: mg/kg) | | | | | | | | | |
|----------------------------|---------------------|---|---------------------|--------|------------------|------|-------------------|---------|--------------------|
| No. | Part No. | Description | Material type | Figure | X-ray Screening | | Spot-test /UV-vis | ICP-OES | GC/MS for PBB/PBDE |
| | | | | | Element | Data | | | |
| 64 | LQP03TN2 2NH02D | IND HIGH 22NH +/-3% CH0201 RO | Composite Materials | | Pb | BL | - | - | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 65 | HK0603 22NJ-T | IND MULTILAYER HQ 22NH +/-5% CH0201 RO | Composite Materials | | Pb | BL | - | - | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 66 | LQP03TN3 3NJ02D | IND HQ CHIP COIL 33NH +/-5% CH0201 RO | Composite Materials | | Pb | BL | - | - | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 67 | RC0201JR-071RL | RES MF 1R +/-5% 1/20W CH0201 RO | Composite Materials | | Pb | BL | - | - | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 68 | CL03A333 KQ3NNNC | CAP X5R 33NF +/-10% 6.3V CH0201 RO | Composite Materials | | Pb | BL | - | - | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 69 | RC0201FR-0710KL | RES MF 10K +/-1% 1/20W CH0201 RO | Composite Materials | | Pb | BL | - | - | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 70 | 0201WMF1 002TCE | RES MF 10K +/-1% 1/20W CH0201 RO | Composite Materials | | Pb | BL | - | - | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |

| Test results (Unit: mg/kg) | | | | | | | | | |
|----------------------------|--------------------|--|---------------------|---|------------------|------|-------------------|---------|--------------------|
| No. | Part No. | Description | Material type | Figure | X-ray Screening | | Spot-test /UV-vis | ICP-OES | GC/MS for PBB/PBDE |
| | | | | | Element | Data | | | |
| 71 | RC0201JR-07100RL | RES_MF_100R _+5%_1/20W_ CH0201 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 72 | 0201WMJ0 101TCE | RES_MF_100R _+5%_1/20W_ CH0201 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 73 | RC0201FR-072KL | RES MF 2K +/-1% 1/20W CH0201 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 74 | BLM15HD1 02SN1D | BEAD 0.25A 10R CH0402 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 75 | CM05CG2 R0C50AH | CAP COG 2PF +/-0.25PF 50V CH0402 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 76 | 0402WGF6 041TCE | RES_MF_6.04K _+/-1%_1/16W_ CH0402 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 77 | RC0201FR-0722KL | RES MF 22K +/-1% 1/20W CH0201 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |

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| Test results (Unit: mg/kg) | | | | | | | | | |
|----------------------------|--------------------|--|---------------------|---|------------------|------|-------------------|---------|--------------------|
| No. | Part No. | Description | Material type | Figure | X-ray Screening | | Spot-test /UV-vis | ICP-OES | GC/MS for PBB/PBDE |
| | | | | | Element | Data | | | |
| 78 | 0201WMF2 202TCE | RES MF 22K +/-1% 1/20W CH0201 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 79 | RC0201JR-0747KL | RES_MF_47K_ +/-5%_1/20W_C H0201 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 80 | RM02JTN4 73 | RES_MF_47K_ +/-5%_1/20W_C H0201 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 81 | ESD9X5.0S T5G | ESD VRWM=5.0V 65PF SOD923 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 82 | ESD9X5VD -2/TR | ESD 5.0V 50PF SOD923 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 83 | ESD9L5.0S T5G | TVS 5V 0.5PF SOD-923 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 84 | RC0201JR-0756RL | RES MF 56R +/-5% 1/16W CH0201 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |

| Test results (Unit: mg/kg) | | | | | | | | | |
|----------------------------|---|--|---------------------|---|------------------|----------------------|-------------------|---------|--------------------|
| No. | Part No. | Description | Material type | Figure | X-ray Screening | | Spot-test /UV-vis | ICP-OES | GC/MS for PBB/PBDE |
| | | | | | Element | Data | | | |
| 85 | LQP03TN7 N5H02D | IND HQ CHIP COIL 7.5NH +/-3% CH0201 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 86 | GRM155R7 1H471KA0 1D | CAP X7R 470PF +/-10% 50V CH0402 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 87 | LQP03TN1 N5B02D | IND HQ 1.5NH +/-1% CH0201 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 88 | SIM5320 SHIELDIN G FRM 100320 RO | SIM5320_SHIE LDING_FRM_1 00320 RO | Metal |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | - | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 89 | SIM5320 SHIELDIN G COVER 100320 RO | SIM5320_SHIE LDING_COVER _100320 RO | Metal |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | 9.54x10 ⁴ | | | |
| | | | | | Br | - | Negative | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 90 | D6NF1G96 0P1BT-Z | SAW DPX UMTS1900 50/100/50R 2.5*2 RO | Metal |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | - | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 91 | SDCL0603 Q5N6ST02 | IND 5.6NH +/-0.3NH 0.4R 150MA CH0201 RO | Composite Materials |  | Pb | BL | | | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |

| Test results (Unit: mg/kg) | | | | | | | | | |
|----------------------------|----------------------------|--|---------------------|---|------------------|------|-------------------|---------|--------------------|
| No. | Part No. | Description | Material type | Figure | X-ray Screening | | Spot-test /UV-vis | ICP-OES | GC/MS for PBB/PBDE |
| | | | | | Element | Data | | | |
| 92 | HK0603 5N6S-T | IND 5.6NH +/-0.3NH 0.4R 150MA CH0201 RO | Composite Materials |  | Pb | BL | - | - | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 93 | C0201C0G 3R3B500N TA | CAP COG 3.3PF +/-0.1PF 50V CH0201 RO | Composite Materials |  | Pb | BL | - | - | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 106 | C0201C0G 1R2B500N TA | CAP COG 1.2P +/-0.1PF 50V CH0201 RO | Composite Materials |  | Pb | BL | - | - | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 107 | HKQ0603S 5N1C-T | IND HIGH 5.1NH +/-0.2NH CH0201 RO | Composite Materials |  | Pb | BL | - | - | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |
| 108 | LQP03TN2 N2B02D | IND FILM HQ 2.2NH +/-5% 220MA CH0201 RO | Composite Materials |  | Pb | BL | - | - | |
| | | | | | Cd | BL | | | |
| | | | | | Hg | BL | | | |
| | | | | | Cr | BL | | | |
| | | | | | Br | BL | | | |
| | | | | | Cr ⁶⁺ | - | | | |
| | | | | | PBB | - | | | |
| | | | | | PBDE | - | | | |

Note:

- (1) (a) It is the result on total Br while test item on restricted substances is PBBs/PBDEs. It is the result on total Cr while test item on restricted substances is Cr⁶⁺.
(b) Results are obtained by EDXRF for primary screening, and further chemical testing by ICP-OES (for Pb, Cd, Hg); UV-VIS(for Cr⁶⁺) and GC-MS (for PBBs, PBDEs) is recommended to be performed.
(c) The XRF screening test for RoHs elements-The reading may be different to the actual content in the sample be of non-uniformity composition.
(d) With reference to 2006/66/EC Batteries Instruction method, Lead and Cadmium analysis are performed by AAS; Mercury analysis is performed by ICP-OES.

(2) (a) mg/kg=ppm=0.0001%, BL= Below Limit, N.D.= not detected, — = not available.

(b) Unit and Method Detection Limit (MDL) in wet chemical test and XRF

| Test Items | Pb | Cd | Hg | Cr | Br |
|-----------------------|-------|-------|-------|-------|-------|
| Units | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg |
| XRF MDL | 10.0 | 5.0 | 20.0 | 10.0 | 50.0 |
| Wet Chemical Test MDL | 1 | 1 | 1 | — | — |

The MDL for single compound of PBBs & PBDEs is 5 mg/kg and MDL of Cr⁶⁺ for polymer & composite sample is 1 mg/kg.

(c) Spot-test:

Negative = Not Detected of Cr⁶⁺ coating, Positive = Presence of Cr⁶⁺ coating;

(The tested sample should be further verified by boiling-water-extraction method if the spot test result cannot be confirmed or negative)

Boiling-water-extraction:

Negative = Not Detected of Cr⁶⁺ coating

Positive = Presence of Cr⁶⁺ coating; the detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50cm² sample surface area used.

Storage conditions and production date of the tested sample are unavailable and thus results of Cr⁶⁺ represent status of the sample at the time of testing.

Sample photo:



Photo 1 The sample of SIM5320J

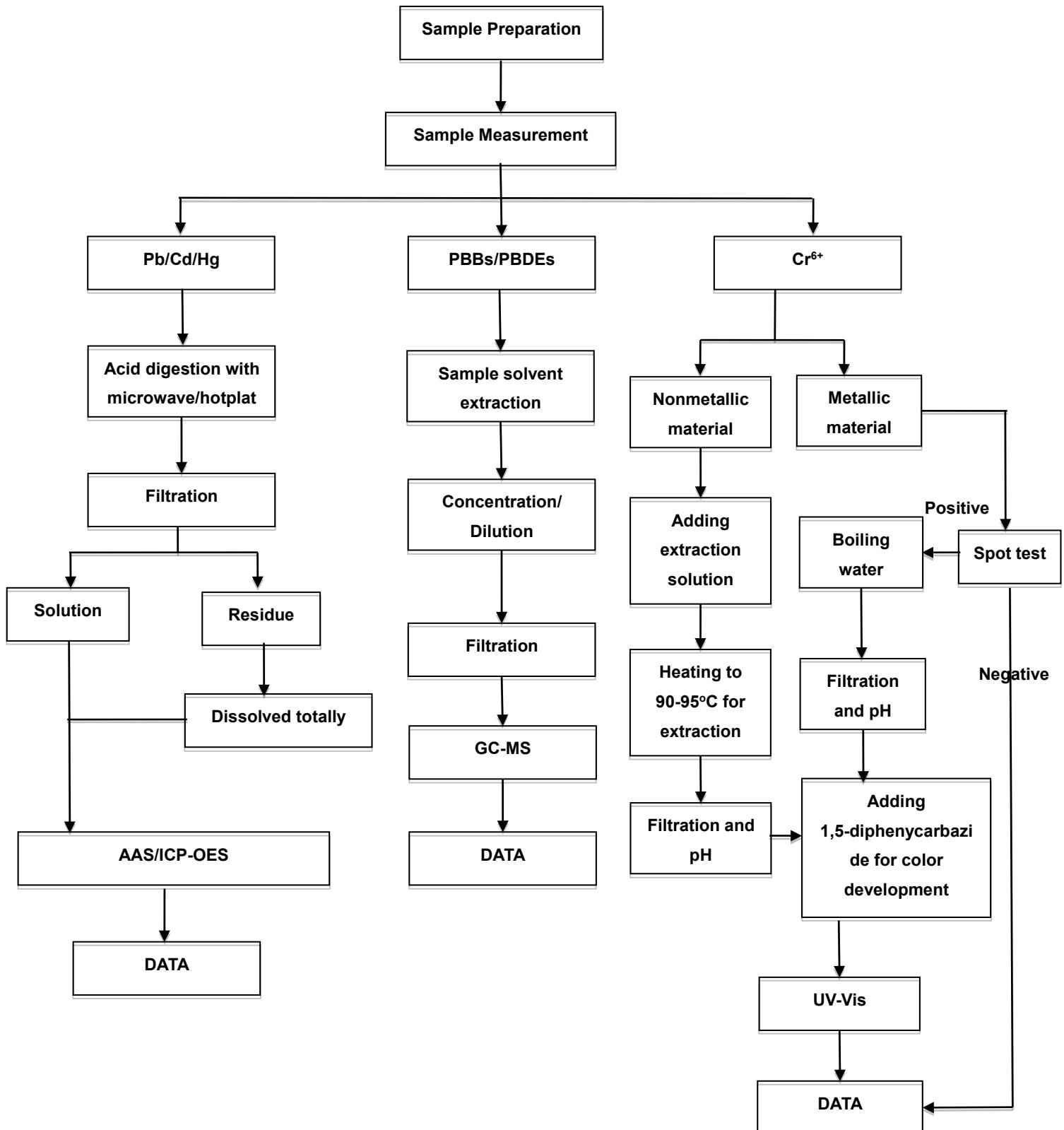


The Main Testing Equipment list

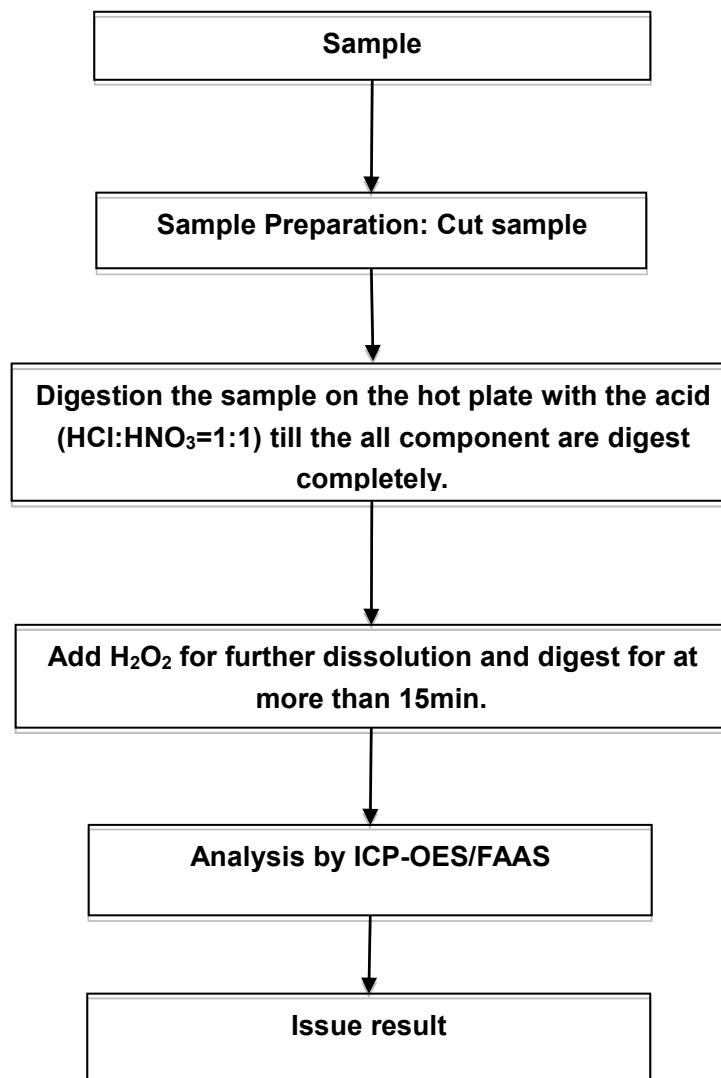
| No. | Equipment Name | Model/spec | Equipment Serial Number | Calibration valid date | (√) |
|-----|--------------------|------------|------------------------------------|------------------------|-----|
| 1. | XRF analyzer | Ux-310 | F2008AA6 | 2016-06-30 | -- |
| 2. | XRF analyzer | Ux-310 | F2009521 | 2016-06-30 | √ |
| 3. | XRF analyzer | Ux-310 | F1162 | 2016-06-30 | -- |
| 4. | XRF analyzer | XLT-797WZ | 10740 | 2016-06-30 | -- |
| 5. | XRF analyzer | SEA6000VX | 106004050001 | 2016-07-01 | √ |
| 6. | ICP-AES | 5300DV | 077N5072703 | 2016-07-08 | -- |
| 7. | GC-MS | Clarus500 | GC:650N5081051 MS:651N5072702 | 2016-07-20 | √ |
| 8. | HPLC | e2695 | G09SM4892A | 2016-07-22 | -- |
| 9. | LC-MSMS | API3200 | LC:L20104611696AE MS:AA20320807 | 2016-11-07 | -- |
| 10. | UV-VIS | Lambda 35 | 101N5081605 | 2016-10-18 | -- |
| 11. | IC | ICS2000 | 09090780 | 2016-12-19 | -- |
| 12. | Electronic balance | CP225D | 50861713 | 2016-11-14 | √ |
| 13. | Electronic balance | CPA225D | 26192007 | 2016-04-03 | -- |

Measurement Flow-Chart of Chemical Testing

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



Test Flow Chart



END OF REPORT