

Test Report

No.: CANEC23001566305

Date: Apr 21, 2023

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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: Wireless RF Module

Model No.: RFM300

Client Ref. Information: Please see attachments

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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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A5	CAN23-0015663-0001.C005	Wireless RF 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	A5
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 Item(s)	Unit(s)	MDL	A5
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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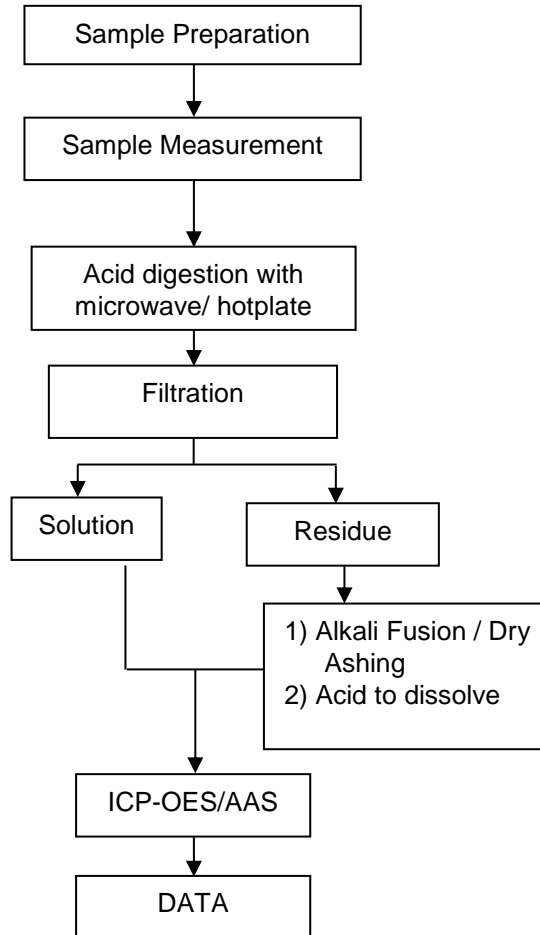
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Elements Testing Flow Chart

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



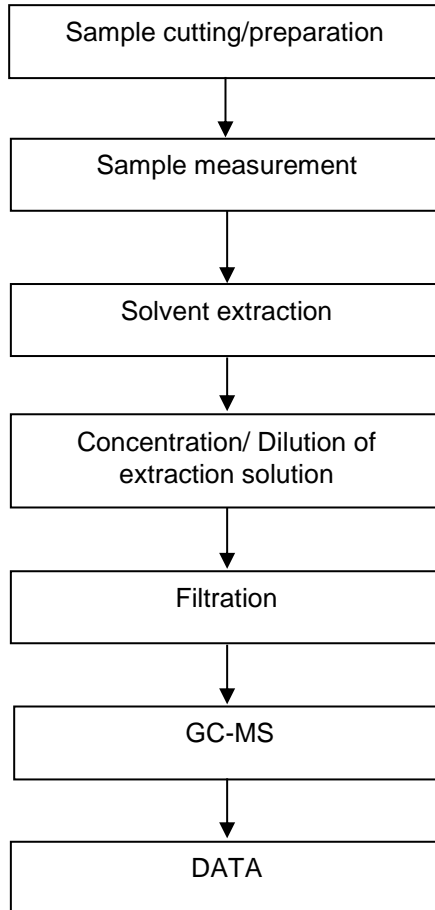
ATTACHMENTS

Hexavalent Chromium (Cr(VI)) Testing Flow Chart



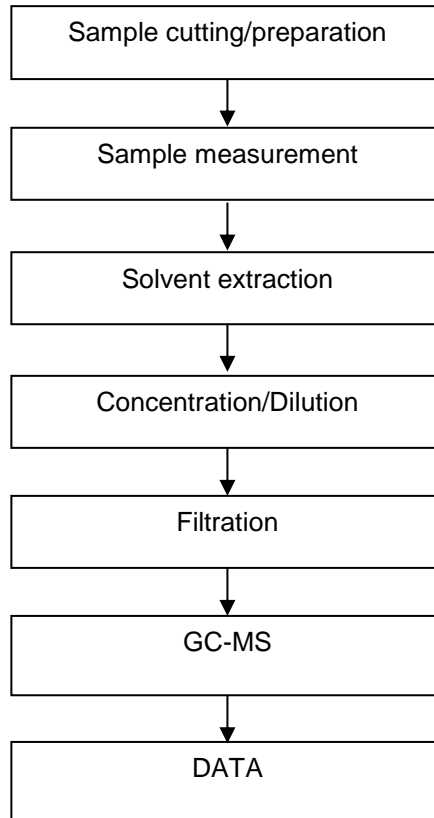
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PBBs/PBDEs Testing Flow Chart



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Phthalates Testing Flow Chart



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Attachment:

RFM01, RFM02, RFM12, RFM12B, RFM12BA1, RFM12BP, RFM14, RFM22B, RFM23B, RFM23BP, RFM24, RFM26, RFM31B, RFM31BJ, RFM42B, RFM43B, RFM43BJ, RFM50, RFM62, RFM63, RFM63F, RFM64, RFM65, RFM66, RFM66A, RFM66W, RFM67, RFM68, RFM68LC, RFM69, RFM69CW, RFM69H, RFM69HW, RFM73, RFM75, RFM75C, RFM76, RFM76L, RFM83A, RFM83C, RFM83CL, RFM90, RFM90C, RFM90T, RFM90TW, RFM91, RFM91SC, RFM92, RFM93, RFM95, RFM95TW, RFM95CW, RFM95PW, RFM96, RFM97, RFM97CW, RFM98, RFM98PW, RFM99, RFM110, RFM110A, RFM113, RFM119, RFM119B, RFM119BL, RFM119BP1, RFM119BP4, RFM119W, FM119S, RFM210, RFM210LA, RFM210LB, RFM210LC, RFM210LCF, RFM210LH, RFM210LS, RFM213, RFM2168A, RFM217, RFM217B, RFM217LB, RFM218B, RFM219, RFM219B, RFM219S, RFM220LS, RFM300C, RFM300W, RFM300HW, RFM300P1, RFM300P4, RFM310, RFM310H, RFM310HW, HM-380F17, RFM380F32, RFM380F32P, RFM380F64, RFM6501, RFM6501W, RFM6505, RFM6505W, RFM6601, RFM6601W, HM-T, HM-R, HM-TRP, HM-TRLR, HM-LWNL, HM-LWNH, HM-RXJMKZ, HM-6501, HM-6505, HM-6601, HM-PKE01, HC03RFM, HPCO04TR-EN-V2.0(R), HPCO05TR-AS-V2.0(R), HPCA01TR-EN-V1.0(R), HPCA01TR-AS-V1.1(R)



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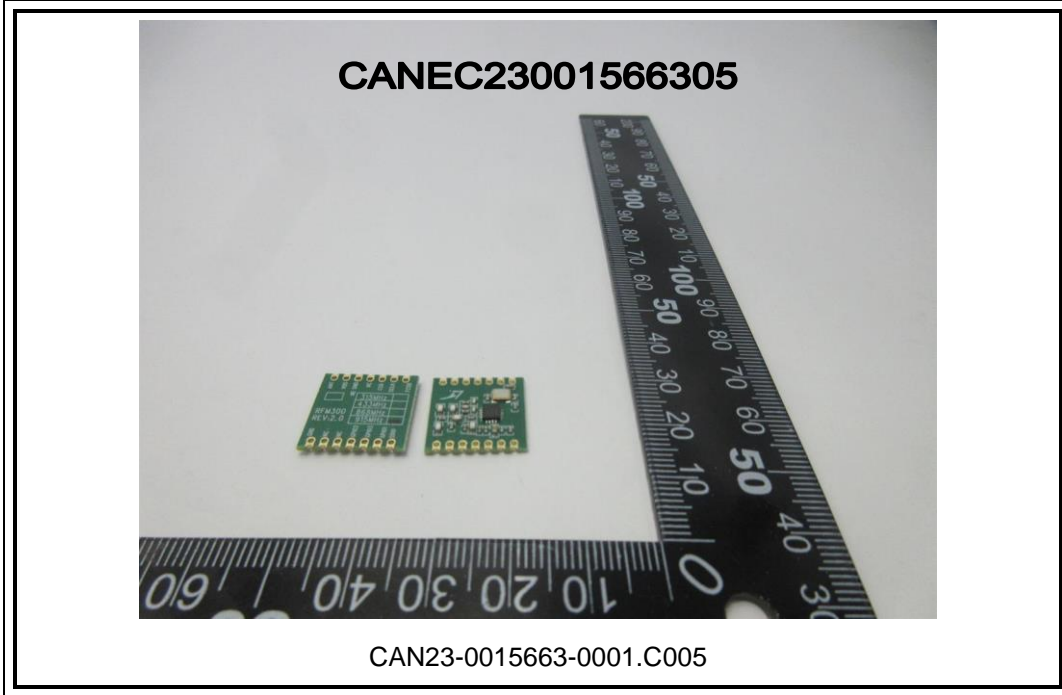
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Sample Photo:



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