

Test Report

No. CANEC2207003905

Date: 25 Apr 2022

Page 1 of 7

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. Info. : PLEASE SEE REMARK
The above sample(s) and information were provided by the client.

SGS Job No. : CP22-019718 - SZ
Date of Sample Received : 18 Apr 2022
Testing Period : 18 Apr 2022 - 25 Apr 2022
Test Requested : Selected 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

Jessie Li

Jessie Li
Approved Signatory

scan to see the report



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

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Test Result(s) :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	CAN22-070039.005	"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

Elemental analysis, Hexavalent Chromium(Cr(VI)), Flame Retardants, Phthalates

Test Method : With reference to IEC 62321-4:2013+A1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017 , IEC 62321-6:2015 and IEC 62321-8:2017, analyzed by ICP-OES , UV-Vis and GC-MS .

<u>Test Item(s)</u>	<u>Unit</u>	<u>MDL</u>	<u>005</u>
Cadmium (Cd)	mg/kg	2	ND
Lead (Pb)	mg/kg	2	16
Mercury (Hg)	mg/kg	2	ND
Hexavalent Chromium (CrVI)	mg/kg	8	ND
Sum of PBBs	mg/kg	-	ND
Monobromobiphenyl	mg/kg	5	ND
Dibromobiphenyl	mg/kg	5	ND
Tribromobiphenyl	mg/kg	5	ND
Tetrabromobiphenyl	mg/kg	5	ND
Pentabromobiphenyl	mg/kg	5	ND
Hexabromobiphenyl	mg/kg	5	ND
Heptabromobiphenyl	mg/kg	5	ND
Octabromobiphenyl	mg/kg	5	ND
Nonabromobiphenyl	mg/kg	5	ND
Decabromobiphenyl	mg/kg	5	ND
Sum of PBDEs	mg/kg	-	ND
Monobromodiphenyl ether	mg/kg	5	ND
Dibromodiphenyl ether	mg/kg	5	ND
Tribromodiphenyl ether	mg/kg	5	ND
Tetrabromodiphenyl ether	mg/kg	5	ND
Pentabromodiphenyl ether	mg/kg	5	ND



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Test Report

No. CANEC2207003905

Date: 25 Apr 2022

Page 3 of 7

<u>Test Item(s)</u>	<u>Unit</u>	<u>MDL</u>	<u>005</u>
Hexabromodiphenyl ether	mg/kg	5	ND
Heptabromodiphenyl ether	mg/kg	5	ND
Octabromodiphenyl ether	mg/kg	5	ND
Nonabromodiphenyl ether	mg/kg	5	ND
Decabromodiphenyl ether	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
Diisobutyl Phthalates (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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REMARK:

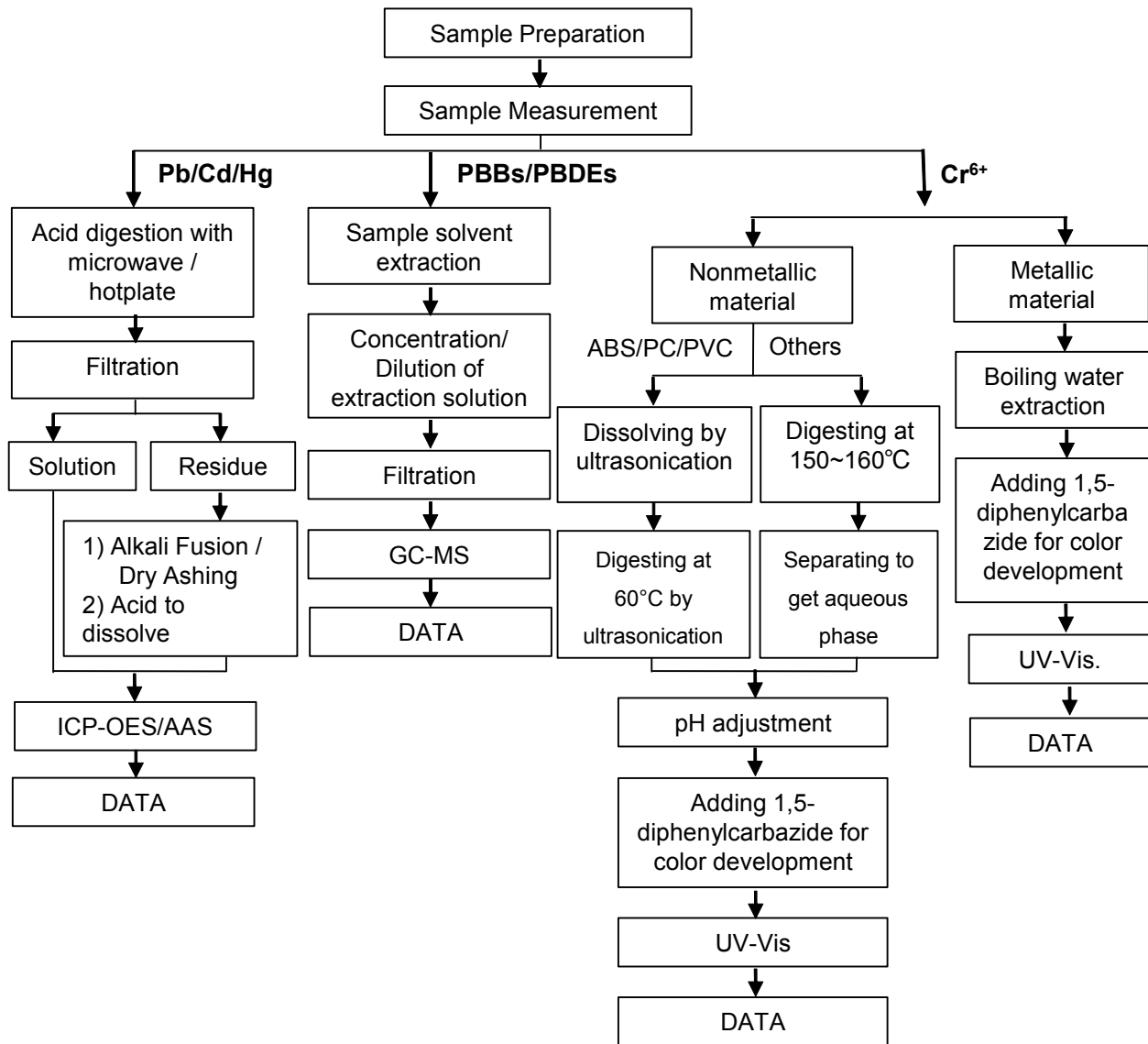
RFM99、RFM90、RFM01、RFM02、RFM12、RFM12B、RFM12BP、RFM22B、RFM23B、RFM23BP、RFM24、RFM26、RFM31B、RFM31BJ、RFM42B、RFM43B、RFM43BJ、RFM50、RFM62、RFM63、RFM64、RFM65、RFM66、RFM67、RFM68、RFM69、RFM73、RFM75、RFM76、RFM68LC、RFM69CW、RFM69HW、RFM83A、RFM83C、RFM83CL、RFM90C、RFM90T、RFM90TW、RFM91、RFM92、RFM93、RFM95、RFM96、RFM97、RFM98、RFM95TW、RFM95CW、RFM95PW、RFM97CW、RFM98PW、RFM110、RFM110A、RFM210、RFM210LA、RFM210LB、RFM210LC、RFM210LS、RFM210LH、RFM113、RFM213、RFM217、RFM217B、RFM217LB、RFM218B、RFM6501、RFM6501W、RFM6505、RFM6505W、RFM6601、RFM119、RFM119B、RFM119W、RFM119BP1、RFM119BP4、RFM219、RFM219B、RFM219S、RFM220LS、RFM300W、RFM300HW、RFM300P1、RFM300P4、RFM380F32、RFM380F32P、HM-T、HM-R、HM-TRP、HM-TRLR、HM-LWNL、HM-LWNLH、HM-RXJMKZ、HM-6501、HM-6505、HM-6601、RFM66W、RFM2168A、HM-PKE01、RFM12BA1、RFM14、RFM210LCF



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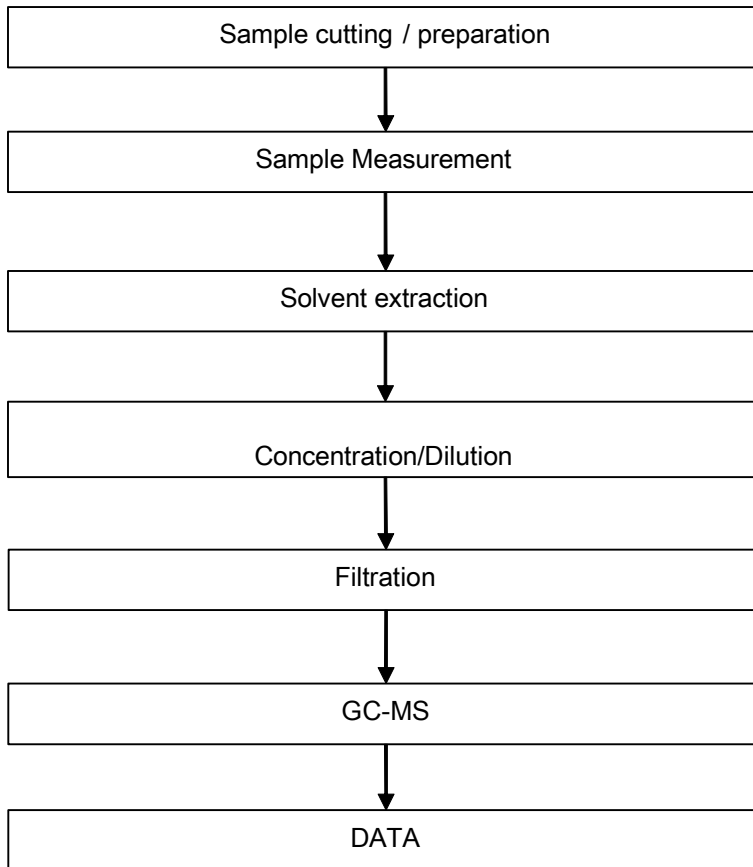
Pb/Cd/Hg/Cr⁶⁺/PBBs/PBDEs Testing Flow Chart

1) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr⁶⁺ and PBBs/PBDEs test method excluded).



ATTACHMENTS

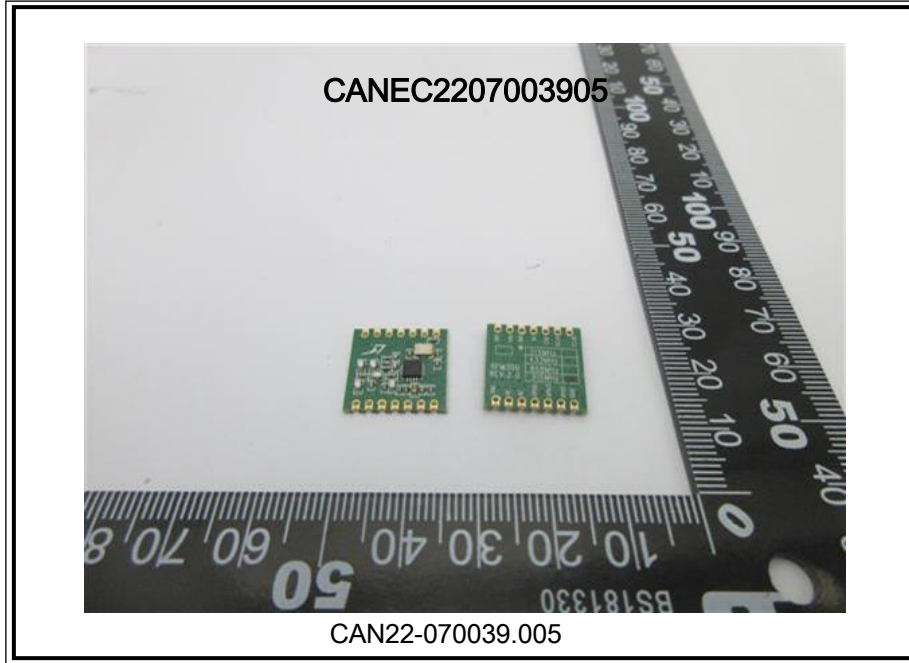
Phthalates Testing Flow Chart



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