

No. CANEC1401514102

Date: 20 Feb 2014

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HOPE MICROELECTRONICS CO., LTD

2/F,BUILDING3,PINGSHAN PRIVATE ENTERPRISE SCIENCE AND TECHNOLOGY PARK,XILI TOWN,NANSHAN DISTRICT,SHENZHEN,CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as : RF Module

SGS Job No. :	CP14-004846 - SZ
Model No. :	RFM69H
Client Ref. Info. :	RFM02 / RFM12 / RFM12B / RFM12BP / RFM22B / RFM23B / RFM23BJ /
	RFM23BP / RFM24 / RFM26 / RFM31B /RFM31BJ / RFM42B / RFM43B /
	RFM43BJ / RFM50 / RFM62 / RFM63 / RFM64 /RFM65 / RFM66 / RFM67 /
	RFM68 / RFM69 / RFM73 / RFM83 / ERM83C / RFM83CL / RFM92 /
	RFM93 / RFM95 / RFM96 / RFM97 / RFM98 / HM-T / HM-R / HM-TRP /
	RFM01 / HM-TRLR Series
Date of Sample Received :	17 Feb 2014
Testing Period :	17 Feb 2014 - 20 Feb 2014
Test Requested :	Selected test(s) as requested by client.
Test Method :	Please refer to next page(s).
Test Results :	Please refer to next page(s).

Signed for and on behalf of SGS-CSTC Ltd.

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Yan Lee Approved Signatory



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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	CAN14-015141.002	"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

Elementary Analysis & Flame Retardants

Test Method : (1)With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES.
(2)With reference to IEC 62321-5:2013, determination of Lead by ICP-OES.
(3)With reference to IEC 62321-4:2013, determination of Mercury by ICP-OES.
(4)With reference to IEC 62321:2008, determination of Hexavalent Chromium by Colorimetric Method using UV-Vis.
(5)With reference to IEC 62321:2008, determination of PBRs and PBDEs by CC MS

(5)With reference to IEC 62321:2008, determination of PBBs and PBDEs by GC-MS.

Test Item(s)		MDL	<u>002</u>
Cadmium (Cd)	mg/kg	2	ND
Lead (Pb)	mg/kg	2	20
Mercury (Hg)	mg/kg	2	ND
Hexavalent Chromium (CrVI)	mg/kg	2	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



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<u>Test Item(s)</u>	<u>Unit</u>	<u>MDL</u>	<u>002</u>	
Dibromodiphenyl ether	mg/kg	5	ND	
Tribromodiphenyl ether	mg/kg	5	ND	
Tetrabromodiphenyl ether	mg/kg	5	ND	
Pentabromodiphenyl ether	mg/kg	5	ND	
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	

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.



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ATTACHMENTS

RoHS Testing Flow Chart

- 1) Name of the person who made testing: Michael Tso / Cutey Yu
- 2) Name of the person in charge of testing: Adams Yu / Yolanda Wei
- These samples were dissolved totally by pre -conditioning method according to below flow chart (Cr⁶⁺ and PBBs/PBDEs test method excluded).





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Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***



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