

TEST REPORT

Applicant : SIMCOM LIMITED

Address : SIM Technology Building, 700 Yishan Rd., Shanghai

Item No. : /

Item name : SIM340CZ module

Manufacturer : SIMCOM LIMITED

Trade mark & type : SIM340CZ

Test sort : Commission Test

Sample received : Aug. 31, 2006

Testing Period : Aug. 31, 2006 - Aug. 31, 2006

Test item : Cadmium, lead, mercury, hexavalent chromium, Polybrominated biphenyls ,
Polybrominated biphenyl ethers content of the submitted sample.

Test method : Please refer to the next page.

Test results

The delivery sample complied with RoHS directive 2002/95/EC and package directive 94/62/EC..

Checked By :

Approved By :

Date :

Date :

Test method :

TESTING ITEMS	Test method
Cadmium (Cd)	With reference to USEPA 3052 /3050B, By acid digestion and determined by AAS and ICP-OES.
Lead (Pb)	
Mercury (Hg)	
Chromium (VI) [Cr(VI)]	With reference to USEPA 3060A/ISO3613/7196A, Determined by UV-VIS.
Polybrominated biphenyls (PBBs)	With reference to USEPA 3540C / EPA8260B/EPA8082A, By solvent extraction and determined by GC-MS.
Polybrominated biphenyl ethers (PBDEs)	

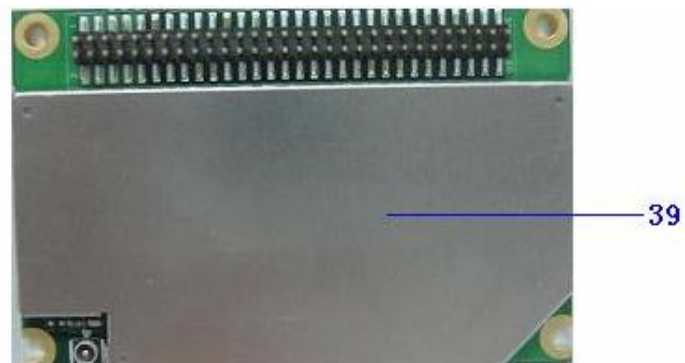
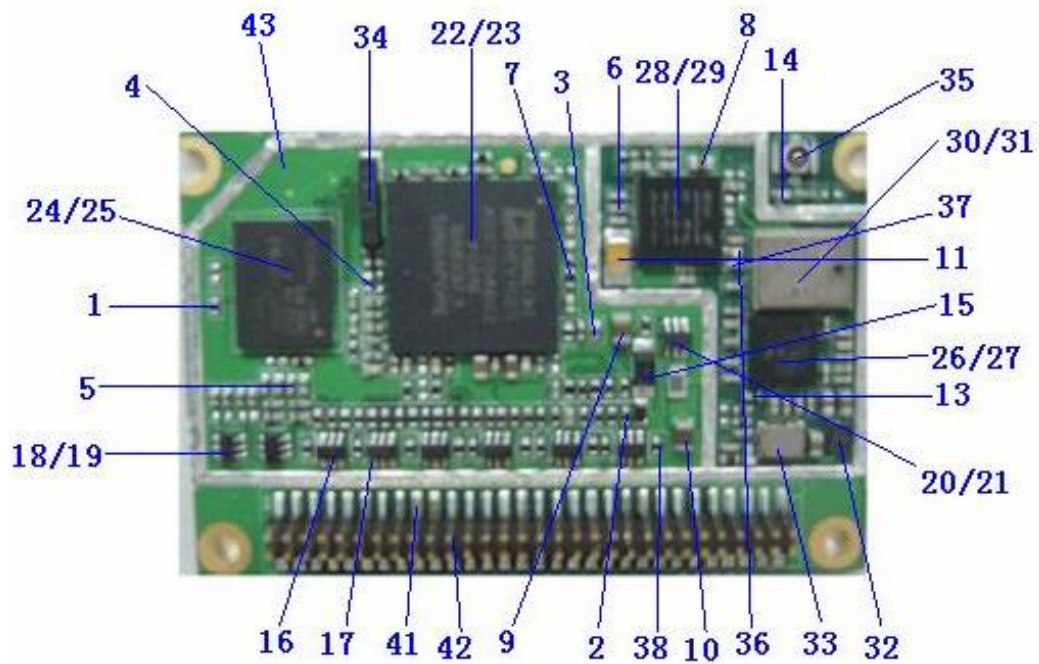
Tested components :

SAMPLE No.	COMPONENTS	Type	MATERIAL AND COLOR	REMARK
1	Resistor 3.3k(0402)	MCR01-MZS-J-000	Mixed	SIM300
2	Resistor	MCR01MZSJ101	Mixed	SIM300
3	Thermal Resister	NCP15XH103F03RC	Mixed	SIM300
4	Capacitance	GRM1555C1H160JZ01	Mixed	SIM300
5	Capacitance	GRM1555C1H750JZ01D	Mixed	SIM300
6	Capacitance(100nF)	CM05X5R104K10AH	Mixed	SIM300
7	Capacitance	JMK105BJ105KV-F	Mixed	SIM300
8	Capacitance	JDK107BJ106MA-T	Mixed	SIM300
9	Capacitance	GRM21BF51C06ZE15L	Mixed	SIM300
10	Capacitance	GRM21BF51A06ZE15L	Mixed	SIM300
11	Capacitance	595D686X06R3A2T	Mixed	SIM300
12	Capacitance	F950J686MAAAQ2	Mixed	SIM300
13	EMI FILTER	BLM15AG121SN1	Mixed	SIM300
14	Inductance	MLK1005S56NJ	Mixed	SIM300
15	Schottky Diode	RB160M-30	Mixed	SIM600
16	ESD Protector	SMF05CT1G	Black Plastic	SIM300
17	ESD Protector	SMF05CT1G	Silver Feet	SIM300
18	ESD Protector	ESDA6V1-5W6 (E)	Black Plastic	UM06
19	ESD Protector	ESDA6V1-5W6 (E)	Silver Feet	UM06
20	Body of Mosfet	SI1403DL-T1-E3	Black Plastic	SIM600
21	Pin of Mosfet	SI1403DL-T1-E3	Silver Feet	SIM600
22	Baseband Chip	AD6720ABCZ-RL	Silvery Metal	SIM300
23	Baseband Chip	AD6720ABCZ-RL	Black Plastic	SIM300
24	FLASH	S71PL032JA0BFWQF0	Silvery Metal	SIM300
25	FLASH	S71PL032JA0BFWQF0	Black plastic	SIM300
26	RF Transceiver IC	HD155166BPEB-E	Copper Metal	SIM300
27	RF Transceiver IC	HD155166BPEB-E	Black Plastic	SIM300
28	Power Amplifier	RPF08155B-TB	Black Plastic	SIM300
29	Power Amplifier	RPF08155B-TB	Yellow Plastic	SIM300
30	FEM	HWXR592-1	Silvery Metal	/
31	FEM	HWXR592-1	Mixed	/
32	LDO	XC6401FF35ER	Mixed	SIM300
33	26Mhz VCTCXO	VT-R32250FR-26.000	Mixed	SIM300
34	32K Crystal	MS3V-T1R-32.768kHz— 12.5pF-30ppm	Mixed	SIM300
35	RF Connector	MM9329-2700	Mixed	SIM600



36	Inductance	MLK1005S6N8DT	Mixed	SIM300
37	Capacitance	CM05CG1R0C50AH	Mixed	SIM300
38	ESD	PESD12VS1UB	Mixed	SIM300C
39	SIM300C_COVER	SIM300C_COVER	Mixed	SIM300C
40	SIM300C_FRAME	SIM300C_FRAME	Mixed	SIM300C
41	60PIN Connector	1491060-094	Cuprum Metal	/
42	60PIN Connector	1491060-094	Black Plastic	/
43	PCB	PCB	Mixed	/

Sample photo : SIM340CZ module



Test result :

SAMPLE No. ITEM	SAMPLE CONCENTRATION (mg/kg)					MDL (mg/kg)	REQUIRED LIMIT (mg/kg)
	1	2	3	4	5		
Cd	N.D.	N.D.	N.D.	N.D.	N.D.	2	<100
Cr(VI)	N.D.	N.D.	N.D.	N.D.	N.D.	2	<1000
Hg	245.8	N.D.	N.D.	N.D.	N.D.	2	<1000
Pb	*3.38x10 ⁴	204	55	86.5	180.4	2	<1000
Monobromobiphenyl	N.D.	---	N.D.	N.D.	N.D.	5	---
Dibromobiphenyl	N.D.	---	N.D.	N.D.	N.D.	5	---
Tribromobiphenyl	N.D.	---	N.D.	N.D.	N.D.	5	---
Tetrabromobiphenyl	N.D.	---	N.D.	N.D.	N.D.	5	---
Pentabromobiphenyl	N.D.	---	N.D.	N.D.	N.D.	5	---
Hexabromobiphenyl	N.D.	---	N.D.	N.D.	N.D.	5	---
Heptabromobiphenyl	N.D.	---	N.D.	N.D.	N.D.	5	---
Octabromobiphenyl	N.D.	---	N.D.	N.D.	N.D.	5	---
Nonabromodiphenyl	N.D.	---	N.D.	N.D.	N.D.	5	---
Decabromodiphenyl	N.D.	---	N.D.	N.D.	N.D.	5	---
Polybrominated Biphenyls (PBBs)	N.D.	---	N.D.	N.D.	N.D.	---	<1000
Monobromodiphenyl ether	N.D.	---	N.D.	N.D.	N.D.	5	---
Dibromodiphenyl ether	N.D.	---	N.D.	N.D.	N.D.	5	---
Tribromodiphenyl ether	N.D.	---	N.D.	N.D.	N.D.	5	---
Tetrabromodiphenyl ether	N.D.	---	N.D.	N.D.	N.D.	5	---
Pentabromodiphenyl ether	N.D.	---	N.D.	N.D.	N.D.	5	---
Hexabromodiphenyl ether	N.D.	---	N.D.	N.D.	N.D.	5	---
Heptabromodiphenyl ether	N.D.	---	N.D.	N.D.	N.D.	5	---
Octabromodiphenyl ether	N.D.	---	N.D.	N.D.	N.D.	5	---
Nonabromodiphenyl ether	N.D.	---	N.D.	N.D.	N.D.	5	---
Polybrominated Diphenylethers (PBDEs)	N.D.	---	N.D.	N.D.	N.D.	---	<1000
Result (P/F)	P	P	P	P	P		

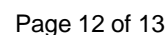
SAMPLE No. ITEM	SAMPLE CONCENTRATION (mg/kg)					MDL (mg/kg)	REQUIRED LIMIT (mg/kg)
	6	7	8	9	10		
Cd	N.D.	N.D.	N.D.	N.D.	N.D.	2	<100
Cr(VI)	N.D.	N.D.	N.D.	N.D.	N.D.	2	<1000
Hg	N.D.	N.D.	N.D.	N.D.	N.D.	2	<1000
Pb	N.D.	71.7	71.7	85.4	104.7	2	<1000
Monobromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	5	---
Dibromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	5	---
Tribromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	5	---
Tetrabromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	5	---
Pentabromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	5	---
Hexabromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	5	---
Heptabromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	5	---
Octabromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	5	---
Nonabromodiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	5	---
Decabromodiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	5	---
Polybrominated Biphenyls (PBBs)	N.D.	N.D.	N.D.	N.D.	N.D.	---	<1000
Monobromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	5	---
Dibromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	5	---
Tribromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	5	---
Tetrabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	5	---
Pentabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	5	---
Hexabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	5	---
Heptabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	5	---
Octabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	5	---
Nonabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	5	---
Polybrominated Diphenylethers (PBDEs)	N.D.	N.D.	N.D.	N.D.	N.D.	---	<1000
Result (P/F)	P	P	P	P	P		

SAMPLE No. ITEM	SAMPLE CONCENTRATION (mg/kg)					MDL (mg/kg)	REQUIRED LIMIT (mg/kg)
	11	12	13	14	15		
Cd	N.D.	N.D.	N.D.	N.D.	N.D.	2	<100
Cr(VI)	N.D.	N.D.	N.D.	N.D.	N.D.	2	<1000
Hg	N.D.	N.D.	N.D.	N.D.	N.D.	2	<1000
Pb	53.7	54.4	100.7	156.3	2.1x10 ⁴	2	<1000
Monobromobiphenyl	N.D.	N.D.	N.D.	---	N.D.	5	---
Dibromobiphenyl	N.D.	N.D.	N.D.	---	N.D.	5	---
Tribromobiphenyl	N.D.	N.D.	N.D.	---	N.D.	5	---
Tetrabromobiphenyl	N.D.	N.D.	N.D.	---	N.D.	5	---
Pentabromobiphenyl	N.D.	N.D.	N.D.	---	N.D.	5	---
Hexabromobiphenyl	N.D.	N.D.	N.D.	---	N.D.	5	---
Heptabromobiphenyl	N.D.	N.D.	N.D.	---	N.D.	5	---
Octabromobiphenyl	N.D.	N.D.	N.D.	---	N.D.	5	---
Nonabromodiphenyl	N.D.	N.D.	N.D.	---	N.D.	5	---
Decabromodiphenyl	N.D.	N.D.	N.D.	---	N.D.	5	---
Polybrominated Biphenyls (PBBs)	N.D.	N.D.	N.D.	---	N.D.	---	<1000
Monobromodiphenyl ether	N.D.	N.D.	N.D.	---	N.D.	5	---
Dibromodiphenyl ether	N.D.	N.D.	N.D.	---	N.D.	5	---
Tribromodiphenyl ether	N.D.	N.D.	N.D.	---	N.D.	5	---
Tetrabromodiphenyl ether	N.D.	N.D.	N.D.	---	N.D.	5	---
Pentabromodiphenyl ether	N.D.	N.D.	N.D.	---	N.D.	5	---
Hexabromodiphenyl ether	N.D.	N.D.	N.D.	---	N.D.	5	---
Heptabromodiphenyl ether	N.D.	N.D.	N.D.	---	N.D.	5	---
Octabromodiphenyl ether	N.D.	N.D.	N.D.	---	N.D.	5	---
Nonabromodiphenyl ether	N.D.	N.D.	N.D.	---	N.D.	5	---
Polybrominated Diphenylethers (PBDEs)	N.D.	N.D.	N.D.	---	N.D.	---	<1000
Result (P/F)	P	P	P	P	P		

SAMPLE No. ITEM	SAMPLE CONCENTRATION (mg/kg)					MDL (mg/kg)	REQUIRED LIMIT (mg/kg)
	16	17	18	19	20		
Cd	N.D.	N.D.	N.D.	N.D.	N.D.	2	<100
Cr(VI)	N.D.	N.D.	N.D.	N.D.	N.D.	2	<1000
Hg	N.D.	N.D.	N.D.	N.D.	N.D.	2	<1000
Pb	18.7	173.9	17.5	24.8	118.6	2	<1000
Monobromobiphenyl	N.D.	---	N.D.	---	---	5	---
Dibromobiphenyl	N.D.	---	N.D.	---	---	5	---
Tribromobiphenyl	N.D.	---	N.D.	---	---	5	---
Tetrabromobiphenyl	N.D.	---	N.D.	---	---	5	---
Pentabromobiphenyl	N.D.	---	N.D.	---	---	5	---
Hexabromobiphenyl	N.D.	---	N.D.	---	---	5	---
Heptabromobiphenyl	N.D.	---	N.D.	---	---	5	---
Octabromobiphenyl	N.D.	---	N.D.	---	---	5	---
Nonabromodiphenyl	N.D.	---	N.D.	---	---	5	---
Decabromodiphenyl	N.D.	---	N.D.	---	---	5	---
Polybrominated Biphenyls (PBBs)	N.D.	---	N.D.	---	---	---	<1000
Monobromodiphenyl ether	N.D.	---	N.D.	---	---	5	---
Dibromodiphenyl ether	N.D.	---	N.D.	---	---	5	---
Tribromodiphenyl ether	N.D.	---	N.D.	---	---	5	---
Tetrabromodiphenyl ether	N.D.	---	N.D.	---	---	5	---
Pentabromodiphenyl ether	N.D.	---	N.D.	---	---	5	---
Hexabromodiphenyl ether	N.D.	---	N.D.	---	---	5	---
Heptabromodiphenyl ether	N.D.	---	N.D.	---	---	5	---
Octabromodiphenyl ether	N.D.	---	N.D.	---	---	5	---
Nonabromodiphenyl ether	N.D.	---	N.D.	---	---	5	---
Polybrominated Diphenylethers (PBDEs)	N.D.	---	N.D.	---	---	---	<1000
Result (P/F)	P	P	P	P	P		

SAMPLE No. ITEM	SAMPLE CONCENTRATION (mg/kg)						MDL (mg/kg)	REQUIRED LIMIT (mg/kg)
	21	22	23	24	25	26		
Cd	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	<100
Cr(VI)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	<1000
Hg	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	<1000
Pb	48.3	118.6	48.3	204	62.7	156.3	2	<1000
Monobromobiphenyl	N.D.	---	N.D.	---	N.D.	---	5	---
Dibromobiphenyl	N.D.	---	N.D.	---	N.D.	---	5	---
Tribromobiphenyl	N.D.	---	N.D.	---	N.D.	---	5	---
Tetrabromobiphenyl	N.D.	---	N.D.	---	N.D.	---	5	---
Pentabromobiphenyl	N.D.	---	N.D.	---	N.D.	---	5	---
Hexabromobiphenyl	N.D.	---	N.D.	---	N.D.	---	5	---
Heptabromobiphenyl	N.D.	---	N.D.	---	N.D.	---	5	---
Octabromobiphenyl	N.D.	---	N.D.	---	N.D.	---	5	---
Nonabromodiphenyl	N.D.	---	N.D.	---	N.D.	---	5	---
Decabromodiphenyl	N.D.	---	N.D.	---	N.D.	---	5	---
Polybrominated Biphenyls (PBBs)	N.D.	---	N.D.	---	N.D.	---	---	<1000
Monobromodiphenyl ether	N.D.	---	N.D.	---	N.D.	---	5	---
Dibromodiphenyl ether	N.D.	---	N.D.	---	N.D.	---	5	---
Tribromodiphenyl ether	N.D.	---	N.D.	---	N.D.	---	5	---
Tetrabromodiphenyl ether	N.D.	---	N.D.	---	N.D.	---	5	---
Pentabromodiphenyl ether	N.D.	---	N.D.	---	N.D.	---	5	---
Hexabromodiphenyl ether	N.D.	---	N.D.	---	N.D.	---	5	---
Heptabromodiphenyl ether	N.D.	---	N.D.	---	N.D.	---	5	---
Octabromodiphenyl ether	N.D.	---	N.D.	---	N.D.	---	5	---
Nonabromodiphenyl ether	N.D.	---	N.D.	---	N.D.	---	5	---
Polybrominated Diphenylethers (PBDEs)	N.D.	---	N.D.	---	N.D.	---	---	<1000
Result (P/F)	P	P	P	P	P	P		

SAMPLE No. ITEM	SAMPLE CONCENTRATION (mg/kg)						MDL (mg/kg)	REQUIRED LIMIT (mg/kg)
	27	28	29	30	31	32		
Cd	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	<100
Cr(VI)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	<1000
Hg	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	<1000
Pb	69.9	93.9	*1.29x10 ⁴	13.9	*9.47x10 ³	*2.61x10 ³	2	<1000
Monobromobiphenyl	N.D.	---	N.D.	---	N.D.	N.D.	5	---
Dibromobiphenyl	N.D.	---	N.D.	---	N.D.	N.D.	5	---
Tribromobiphenyl	N.D.	---	N.D.	---	N.D.	N.D.	5	---
Tetrabromobiphenyl	N.D.	---	N.D.	---	N.D.	N.D.	5	---
Pentabromobiphenyl	N.D.	---	N.D.	---	N.D.	N.D.	5	---
Hexabromobiphenyl	N.D.	---	N.D.	---	N.D.	N.D.	5	---
Heptabromobiphenyl	N.D.	---	N.D.	---	N.D.	N.D.	5	---
Octabromobiphenyl	N.D.	---	N.D.	---	N.D.	N.D.	5	---
Nonabromodiphenyl	N.D.	---	N.D.	---	N.D.	N.D.	5	---
Decabromodiphenyl	N.D.	---	N.D.	---	N.D.	N.D.	5	---
Polybrominated Biphenyls (PBBs)	N.D.	---	N.D.	---	N.D.	N.D.	---	<1000
Monobromodiphenyl ether	N.D.	---	N.D.	---	N.D.	N.D.	5	---
Dibromodiphenyl ether	N.D.	---	N.D.	---	N.D.	N.D.	5	---
Tribromodiphenyl ether	N.D.	---	N.D.	---	N.D.	N.D.	5	---
Tetrabromodiphenyl ether	N.D.	---	N.D.	---	N.D.	N.D.	5	---
Pentabromodiphenyl ether	N.D.	---	N.D.	---	N.D.	N.D.	5	---
Hexabromodiphenyl ether	N.D.	---	N.D.	---	N.D.	N.D.	5	---
Heptabromodiphenyl ether	N.D.	---	N.D.	---	N.D.	N.D.	5	---
Octabromodiphenyl ether	N.D.	---	N.D.	---	N.D.	N.D.	5	---
Nonabromodiphenyl ether	N.D.	---	N.D.	---	N.D.	N.D.	5	---
Polybrominated Diphenylethers (PBDEs)	N.D.	---	N.D.	---	N.D.	N.D.	---	<1000
Result (P/F)	P	P	P	P	P	P		

[illegible]

SAMPLE No. ITEM	SAMPLE CONCENTRATION (mg/kg)				MDL (mg/kg)	REQUIRED LIMIT (mg/kg)
	40	41	42	43		
Cd	N.D.	N.D.	N.D.	N.D.	2	<100
Cr(VI)	N.D.	N.D.	N.D.	N.D.	2	<1000
Hg	N.D.	N.D.	N.D.	N.D.	2	<1000
Pb	25.68	99.4	N.D.	18.2	2	<1000
Monobromobiphenyl	---	---	N.D.	N.D.	5	---
Dibromobiphenyl	---	---	N.D.	N.D.	5	---
Tribromobiphenyl	---	---	N.D.	N.D.	5	---
Tetrabromobiphenyl	---	---	N.D.	N.D.	5	---
Pentabromobiphenyl	---	---	N.D.	N.D.	5	---
Hexabromobiphenyl	---	---	N.D.	N.D.	5	---
Heptabromobiphenyl	---	---	N.D.	N.D.	5	---
Octabromobiphenyl	---	---	N.D.	N.D.	5	---
Nonabromodiphenyl	---	---	N.D.	N.D.	5	---
Decabromodiphenyl	---	---	N.D.	N.D.	5	---
Polybrominated Biphenyls (PBBs)	---	---	N.D.	N.D.	---	<1000
Monobromodiphenyl ether	---	---	N.D.	N.D.	5	---
Dibromodiphenyl ether	---	---	N.D.	N.D.	5	---
Tribromodiphenyl ether	---	---	N.D.	N.D.	5	---
Tetrabromodiphenyl ether	---	---	N.D.	N.D.	5	---
Pentabromodiphenyl ether	---	---	N.D.	N.D.	5	---
Hexabromodiphenyl ether	---	---	N.D.	N.D.	5	---
Heptabromodiphenyl ether	---	---	N.D.	N.D.	5	---
Octabromodiphenyl ether	---	---	N.D.	N.D.	5	---
Nonabromodiphenyl ether	---	---	N.D.	N.D.	5	---
Polybrominated Diphenylethers (PBDEs)	---	---	N.D.	N.D.	---	<1000
Result (P/F)	P	P	P	P		

Note: The delivery sample complied with RoHS directive 2002/95/EC.

* = According to the declaration provided by applicant, the material exempted from the requirements of Article 4(Directive 2002/95/EC).

*****END OF REPORT*****