



Test Report

Report No : BST10070500RR-4

Date: Jul , 31 , 2010

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Applicant : GEMBIRD ELECTRONICS LTD.

Address : 2/F.BULIDING B.SHIFENG INDUSTRY DISTRICT,HUANGNING ROAD,

LONGHUADALANG STREET,BAOAN DISTRICT,SHENZHEN,CHINA

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

Sample Name : Surge Protector

Sample model : SPG-RM V2, SIS-PMS, SIS-PMS-LAN, SIS-RM, SIS-MSP, SPG-RM, SIS, SIS-2, SIS-3, SIS-TUV, SIS-2-TUV, SIS-3-TUV, SIS-TUV-2, SIS-2-TUV-2, SIS-3-TUV-3, mSIS-TNC, PC-MS, PCW-MS, SPG2-B-5, SPG2-B-6, SPG2-B-10, SPG2-B-15, SPG2-C-5, SPG2-C-6, SPG2-C-10, SPG2-C-15, SPG3-B-5, SPG3-B-6, SPG3-B-10, SPG3-B-15, SPG3-C-5, SPG3-C-6, SPG3-C-10, SPG3-C-15, SPG4-B-5, SPG4-B-6, SPG4-B-10, SPG4-B-15, SPG4-C-5, SPG4-C-6, SPG4-C-10, SPG4-C-15, SPG5-B-5, SPG5-B-6, SPG5-B-10, SPG5-B-15, SPG5-C-5, SPG5-C-6, SPG5-C-10, SPG5-C-15

Trade Name : Gembird

Sample Received Date : Jul,28,2010

Testing Period : Jul,28,2010 To Jul,31,2010

Test Requested : Selected test (s)in the selected parts as requested by client.

Test Method : Please refer to next page(s).

Test Result : Please refer to next page(s).

Signed for and on behalf of



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Test method and Test equipment:

Test Item	Test Method	Test Equipment
Polycyclic Aromatic Hydrocarbons (PAHs)	US EPA3540C:1996& US EPA8270D:2007	GC-MS

Sample Description:

Material No.	Description	Location
1	Black plastic	Power cord
2	Silver plastic	Body
3	Black plastic	Body
4	Transparent plastic	Light pipe
5	Black plastic	Knob
6	Silver rubber	Knob button
7	Red rubber	Knob button/body button cover
8	Black plastic	Body button
9	Black plastic	Breaker
10	Black plastic	Network tab

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Test Result : A

Compound	CAS Number	Unite	MD L	Result			BfR Limits	
				No.1	No.2	No.3	Contact time <30 second	Contact time >30 second
(1) Naphthalene (NAP)	91-20-3	ppm	0.01	N.D	N.D	N.D	--	--
(2) Acenaphthylene (ANY)	208-96-3	ppm	0.01	N.D	N.D	N.D	--	--
(3) Acenaphthene (ACY)	83-32-9	ppm	0.01	N.D	N.D	N.D	--	--
(4) Fluorene (FLU)	86-73-7	ppm	0.01	N.D	N.D	N.D	--	--
(5) Phenanthrene (PHE)	85-01-8	ppm	0.01	N.D	N.D	N.D	--	--
(6) Anthracene (ANT)	120-12-7	ppm	0.01	N.D	N.D	N.D	--	--
(7) Fluoranthene (FLT)	206-44-0	ppm	0.01	N.D	N.D	N.D	--	--
(8) Pyrene (PYE)	129-00-0	ppm	0.01	N.D	N.D	N.D	--	--
(9) Benzo(a)anthracene (BaA)	56-55-3	ppm	0.01	N.D	N.D	N.D	--	--
(10) Chrysene (CHR)	218-01-9	ppm	0.01	N.D	N.D	N.D	--	--
(11) Benzo(b)fluoranthene (BbF)	205-99-2	ppm	0.01	N.D	N.D	N.D	--	--
(12) Benzo(k)fluoranthene (BkF)	207-08-9	ppm	0.01	N.D	N.D	N.D	--	--
(13) Benzo(a)pyrene (BaP)	50-32-8	ppm	0.01	N.D	N.D	N.D	--	--
(14) Indeno(1,2,3-cd)pyrene (IPY)	193-39-5	ppm	0.01	N.D	N.D	N.D	<20 ppm	<1 ppm
(15) Dibenzo(a,h)anthracene (DBA)	53-70-3	ppm	0.01	N.D	N.D	N.D	--	--
(16) Benzo(g,hi)perylene (BPE)	191-24-2	ppm	0.01	N.D	N.D	N.D	--	--
PAHs	--	ppm	--	N.D	N.D	N.D	<200 ppm	<10 ppm

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Test Result : B

Compound	CAS Number	Unite	MD L	Result			BfR Limits	
				No.4	No.5	No.6	Contact time <30 second	Contact time >30 second
(1) Naphthalene (NAP)	91-20-3	ppm	0.01	N.D	N.D	N.D	--	--
(2) Acenaphthylene (ANY)	208-96-3	ppm	0.01	N.D	N.D	N.D	--	--
(3) Acenaphthene (ACY)	83-32-9	ppm	0.01	N.D	N.D	N.D	--	--
(4) Fluorene (FLU)	86-73-7	ppm	0.01	N.D	N.D	N.D	--	--
(5) Phenanthrene (PHE)	85-01-8	ppm	0.01	N.D	N.D	N.D	--	--
(6) Anthracene (ANT)	120-12-7	ppm	0.01	N.D	N.D	N.D	--	--
(7) Fluoranthene (FLT)	206-44-0	ppm	0.01	N.D	N.D	N.D	--	--
(8) Pyrene (PYE)	129-00-0	ppm	0.01	N.D	N.D	N.D	--	--
(9) Benzo(a)anthracene (BaA)	56-55-3	ppm	0.01	N.D	N.D	N.D	--	--
(10) Chrysene (CHR)	218-01-9	ppm	0.01	N.D	N.D	N.D	--	--
(11) Benzo(b)fluoranthene (BbF)	205-99-2	ppm	0.01	N.D	N.D	N.D	--	--
(12) Benzo(k)fluoranthene (BkF)	207-08-9	ppm	0.01	N.D	N.D	N.D	--	--
(13) Benzo(a)pyrene (BaP)	50-32-8	ppm	0.01	N.D	N.D	N.D	--	--
(14) Indeno(1,2,3-cd)pyrene (IPY)	193-39-5	ppm	0.01	N.D	N.D	N.D	<20 ppm	<1 ppm
(15) Dibenzo(a,h)anthracene (DBA)	53-70-3	ppm	0.01	N.D	N.D	N.D	--	--
(16) Benzo(g,hi)perylene (BPE)	191-24-2	ppm	0.01	N.D	N.D	N.D	--	--
PAHs	--	ppm	--	N.D	N.D	N.D	<200 ppm	<10 ppm

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Test Result : C

Compound	CAS Number	Unite	MD L	Result			BfR Limits	
				No.7	No.8	No.9	Contact time <30 second	Contact time >30 second
(1) Naphthalene (NAP)	91-20-3	ppm	0.01	N.D	N.D	N.D	--	--
(2) Acenaphthylene (ANY)	208-96-3	ppm	0.01	N.D	N.D	N.D	--	--
(3) Acenaphthene (ACY)	83-32-9	ppm	0.01	N.D	N.D	N.D	--	--
(4) Fluorene (FLU)	86-73-7	ppm	0.01	N.D	N.D	N.D	--	--
(5) Phenanthrene (PHE)	85-01-8	ppm	0.01	N.D	N.D	N.D	--	--
(6) Anthracene (ANT)	120-12-7	ppm	0.01	N.D	N.D	N.D	--	--
(7) Fluoranthene (FLT)	206-44-0	ppm	0.01	N.D	N.D	N.D	--	--
(8) Pyrene (PYE)	129-00-0	ppm	0.01	N.D	N.D	N.D	--	--
(9) Benzo(a)anthracene (BaA)	56-55-3	ppm	0.01	N.D	N.D	N.D	--	--
(10) Chrysene (CHR)	218-01-9	ppm	0.01	N.D	N.D	N.D	--	--
(11) Benzo(b)fluoranthene (BbF)	205-99-2	ppm	0.01	N.D	N.D	N.D	--	--
(12) Benzo(k)fluoranthene (BkF)	207-08-9	ppm	0.01	N.D	N.D	N.D	--	--
(13) Benzo(a)pyrene (BaP)	50-32-8	ppm	0.01	N.D	N.D	N.D	--	--
(14) Indeno(1,2,3-cd)pyrene (IPY)	193-39-5	ppm	0.01	N.D	N.D	N.D	<20 ppm	<1 ppm
(15) Dibenzo(a,h)anthracene (DBA)	53-70-3	ppm	0.01	N.D	N.D	N.D	--	--
(16) Benzo(g,hi)perylene (BPE)	191-24-2	ppm	0.01	N.D	N.D	N.D	--	--
PAHs	--	ppm	--	N.D	N.D	N.D	<200 ppm	<10 ppm

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Test Result : D

Compound	CAS Number	Unite	MDL	Result	BfR Limits	
				No.10	Contact time <30 second	Contact time >30 second
(1) Naphthalene (NAP)	91-20-3	ppm	0.01	N.D	--	--
(2) Acenaphthylene (ANY)	208-96-3	ppm	0.01	N.D	--	--
(3) Acenaphthene (ACY)	83-32-9	ppm	0.01	N.D	--	--
(4) Fluorene (FLU)	86-73-7	ppm	0.01	N.D	--	--
(5) Phenanthrene (PHE)	85-01-8	ppm	0.01	N.D	--	--
(6) Anthracene (ANT)	120-12-7	ppm	0.01	N.D	--	--
(7) Fluoranthene (FLT)	206-44-0	ppm	0.01	N.D	--	--
(8) Pyrene (PYE)	129-00-0	ppm	0.01	N.D	--	--
(9) Benzo(a)anthracene (BaA)	56-55-3	ppm	0.01	N.D	--	--
(10) Chrysene (CHR)	218-01-9	ppm	0.01	N.D	--	--
(11) Benzo(b)fluoranthene (BbF)	205-99-2	ppm	0.01	N.D	--	--
(12) Benzo(k)fluoranthene (BkF)	207-08-9	ppm	0.01	N.D	--	--
(13) Benzo(a)pyrene (BaP)	50-32-8	ppm	0.01	N.D	--	--
(14) Indeno(1,2,3-cd)pyrene (IPY)	193-39-5	ppm	0.01	N.D	<20 ppm	<1 ppm
(15) Dibenzo(a,h)anthracene (DBA)	53-70-3	ppm	0.01	N.D	--	--
(16) Benzo(g,hi)perylene (BPE)	191-24-2	ppm	0.01	N.D	--	--
PAHs	--	ppm	--	N.D	<200 ppm	<10 ppm

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- Note :**
1. mg/kg= ppm
 2. N.D=No Detection(<MDL)
 3. MDL =Method Detection Limit
 4. "--"=Does not provide for

SAMPLE PHOTO:



*** End of Report ***

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