



# Test Report

Report No : BSTDG1612657710002RR-4 Date: Dec.21, 2016

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**Applicant** : FREE&EASY TECHNOLOGY CO., LTD

**Address** : No.8 XingGong Road 1, HongXing Village, GongMing Town, GuangMing New District

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

**Sample Name** : Optical mouse

**Sample Model** : RF-467, RF-465, RF-468, RF-454,  
RF-606, RF-396, RF-439, RF-408, RF-453

**Sample Received Date** : Dec.16, 2016

**Testing Period** : Dec.16, 2016 To Dec.21, 2016

**Test Requested** : Selected test (s) in the selected parts as requested by client with the RoHS Directive 2011/65/EU Annex II (EU) 2015/863 .

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

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

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Signed for and on behalf of

**Andy Zheng/ Technical Director**

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## Sample Description :

No.	Description	Name
1	Plastic	Black Shell
2	Metal	Sheet Metal
3	PCB	PCB
4	Resistance	Resistance
5	Capacitance	Capacitance
6	IC	IC
7	LED	LED
8	Plastic	Terminal
9	Plastic	Switch
10	Plastic	Transparent Plastic
11	Plastic	Red Line Skin
12	Plastic	Black Line Skin
13	Metal	Wire Core
14	Inductance	Inductance
15	Metal	Crystal
16	Metal	Solder
17	Metal	Spring

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**Dongguan BST Testing Co., Ltd.**

A1201-1204 Xinsanqi Of Dongbao Road, Dongcheng District, Tel:400-882-9628 Fax:86-769-23020106  
Dongguan, Guangdong, China E-mail:christina@bst-lab.com Http://www.bst-lab.com Complaints hotline:86-755-26747756



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## Test Result(No.1):

Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
Cadmium(Cd)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	100
Lead(Pb)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	1000
Mercury(Hg)	mg/kg	IEC 62321-4:2013, ICP-AES	N.D.	2	1000
Hexavalent Chromium(CrVI)	mg/kg	IEC 62321-7-1:2015, UV-Vis	N.D.	2	1000
<b>Sum of PBBs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	N.D.	--	<b>1000</b>
Monobromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Dibromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tribromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tetrabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Pentabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Hexabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Heptabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Octabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Nonabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Decabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
<b>Sum of PBDEs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	N.D.	--	<b>1000</b>
Monobromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Dibromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tribromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tetrabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Pentabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Hexabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Heptabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Octabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Nonabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Decabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
<b>Phthalates</b>					
Dibutyl Phthalate(DBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Butyl benzyl phthalate (BBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Diisobutyl phthalate (DIBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000

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## Test Result(No.2):

Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
Cadmium(Cd)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	100
Lead(Pb)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	1000
Mercury(Hg)	mg/kg	IEC 62321-4:2013, ICP-AES	N.D.	2	1000
Hexavalent Chromium(CrVI)	mg/kg	IEC 62321-7-1:2015, UV-Vis	N.D.	2	1000
<b>Sum of PBBs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	<b>--</b>	<b>--</b>	<b>1000</b>
Monobromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Dibromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Tribromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Tetrabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Pentabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Hexabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Heptabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Octabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Nonabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Decabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
<b>Sum of PBDEs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	<b>--</b>	<b>--</b>	<b>1000</b>
Monobromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Dibromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Tribromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Tetrabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Pentabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Hexabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Heptabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Octabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Nonabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Decabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
<b>Phthalates</b>					
Dibutyl Phthalate(DBP)	mg/kg	EN14372:2004, GC-MS	--	30	1000
Butyl benzyl phthalate (BBP)	mg/kg	EN14372:2004, GC-MS	--	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	EN14372:2004, GC-MS	--	30	1000
Diisobutyl phthalate (DIBP)	mg/kg	EN14372:2004, GC-MS	--	30	1000

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## Test Result(No.3):

Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
Cadmium(Cd)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	100
Lead(Pb)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	1000
Mercury(Hg)	mg/kg	IEC 62321-4:2013, ICP-AES	N.D.	2	1000
Hexavalent Chromium(CrVI)	mg/kg	IEC 62321-7-1:2015, UV-Vis	N.D.	2	1000
<b>Sum of PBBs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	N.D.	--	<b>1000</b>
Monobromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Dibromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tribromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tetrabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Pentabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Hexabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Heptabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Octabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Nonabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Decabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
<b>Sum of PBDEs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	N.D.	--	<b>1000</b>
Monobromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Dibromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tribromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tetrabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Pentabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Hexabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Heptabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Octabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Nonabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Decabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
<b>Phthalates</b>					
Dibutyl Phthalate(DBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Butyl benzyl phthalate (BBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Diisobutyl phthalate (DIBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000

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## Test Result(No.4):

Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
Cadmium(Cd)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	100
Lead(Pb)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	1000
Mercury(Hg)	mg/kg	IEC 62321-4:2013, ICP-AES	N.D.	2	1000
Hexavalent Chromium(CrVI)	mg/kg	IEC 62321-7-1:2015, UV-Vis	N.D.	2	1000
<b>Sum of PBBs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	N.D.	--	<b>1000</b>
Monobromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Dibromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tribromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tetrabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Pentabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Hexabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Heptabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Octabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Nonabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Decabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
<b>Sum of PBDEs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	N.D.	--	<b>1000</b>
Monobromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Dibromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tribromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tetrabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Pentabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Hexabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Heptabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Octabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Nonabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Decabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
<b>Phthalates</b>					
Dibutyl Phthalate(DBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Butyl benzyl phthalate (BBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Diisobutyl phthalate (DIBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000

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## Test Result(No.5):

Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
Cadmium(Cd)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	100
Lead(Pb)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	1000
Mercury(Hg)	mg/kg	IEC 62321-4:2013, ICP-AES	N.D.	2	1000
Hexavalent Chromium(CrVI)	mg/kg	IEC 62321-7-1:2015, UV-Vis	N.D.	2	1000
<b>Sum of PBBs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	N.D.	--	<b>1000</b>
Monobromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Dibromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tribromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tetrabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Pentabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Hexabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Heptabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Octabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Nonabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Decabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
<b>Sum of PBDEs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	N.D.	--	<b>1000</b>
Monobromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Dibromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tribromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tetrabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Pentabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Hexabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Heptabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Octabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Nonabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Decabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
<b>Phthalates</b>					
Dibutyl Phthalate(DBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Butyl benzyl phthalate (BBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Diisobutyl phthalate (DIBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000

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## Test Result(No.6):

Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
Cadmium(Cd)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	100
Lead(Pb)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	1000
Mercury(Hg)	mg/kg	IEC 62321-4:2013, ICP-AES	N.D.	2	1000
Hexavalent Chromium(CrVI)	mg/kg	IEC 62321-7-1:2015, UV-Vis	N.D.	2	1000
<b>Sum of PBBs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	N.D.	--	<b>1000</b>
Monobromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Dibromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tribromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tetrabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Pentabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Hexabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Heptabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Octabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Nonabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Decabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
<b>Sum of PBDEs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	N.D.	--	<b>1000</b>
Monobromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Dibromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tribromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tetrabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Pentabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Hexabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Heptabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Octabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Nonabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Decabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
<b>Phthalates</b>					
Dibutyl Phthalate(DBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Butyl benzyl phthalate (BBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Diisobutyl phthalate (DIBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000

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## Test Result(No.7):

Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
Cadmium(Cd)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	100
Lead(Pb)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	1000
Mercury(Hg)	mg/kg	IEC 62321-4:2013, ICP-AES	N.D.	2	1000
Hexavalent Chromium(CrVI)	mg/kg	IEC 62321-7-1:2015, UV-Vis	N.D.	2	1000
<b>Sum of PBBs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	N.D.	--	<b>1000</b>
Monobromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Dibromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tribromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tetrabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Pentabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Hexabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Heptabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Octabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Nonabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Decabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
<b>Sum of PBDEs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	N.D.	--	<b>1000</b>
Monobromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Dibromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tribromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tetrabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Pentabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Hexabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Heptabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Octabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Nonabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Decabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
<b>Phthalates</b>					
Dibutyl Phthalate(DBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Butyl benzyl phthalate (BBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Diisobutyl phthalate (DIBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000

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## Test Result(No.8):

Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
Cadmium(Cd)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	100
Lead(Pb)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	1000
Mercury(Hg)	mg/kg	IEC 62321-4:2013, ICP-AES	N.D.	2	1000
Hexavalent Chromium(CrVI)	mg/kg	IEC 62321-7-1:2015, UV-Vis	N.D.	2	1000
<b>Sum of PBBs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	N.D.	--	<b>1000</b>
Monobromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Dibromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tribromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tetrabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Pentabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Hexabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Heptabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Octabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Nonabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Decabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
<b>Sum of PBDEs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	N.D.	--	<b>1000</b>
Monobromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Dibromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tribromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tetrabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Pentabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Hexabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Heptabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Octabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Nonabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Decabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
<b>Phthalates</b>					
Dibutyl Phthalate(DBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Butyl benzyl phthalate (BBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Diisobutyl phthalate (DIBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000

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## Test Result(No.9):

Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
Cadmium(Cd)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	100
Lead(Pb)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	1000
Mercury(Hg)	mg/kg	IEC 62321-4:2013, ICP-AES	N.D.	2	1000
Hexavalent Chromium(CrVI)	mg/kg	IEC 62321-7-1:2015, UV-Vis	N.D.	2	1000
<b>Sum of PBBs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	N.D.	--	<b>1000</b>
Monobromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Dibromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tribromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tetrabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Pentabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Hexabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Heptabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Octabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Nonabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Decabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
<b>Sum of PBDEs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	N.D.	--	<b>1000</b>
Monobromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Dibromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tribromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tetrabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Pentabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Hexabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Heptabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Octabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Nonabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Decabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
<b>Phthalates</b>					
Dibutyl Phthalate(DBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Butyl benzyl phthalate (BBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Diisobutyl phthalate (DIBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000

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## Test Result(No.10):

Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
Cadmium(Cd)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	100
Lead(Pb)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	1000
Mercury(Hg)	mg/kg	IEC 62321-4:2013, ICP-AES	N.D.	2	1000
Hexavalent Chromium(CrVI)	mg/kg	IEC 62321-7-1:2015, UV-Vis	N.D.	2	1000
<b>Sum of PBBs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	N.D.	--	<b>1000</b>
Monobromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Dibromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tribromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tetrabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Pentabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Hexabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Heptabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Octabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Nonabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Decabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
<b>Sum of PBDEs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	N.D.	--	<b>1000</b>
Monobromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Dibromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tribromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tetrabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Pentabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Hexabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Heptabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Octabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Nonabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Decabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
<b>Phthalates</b>					
Dibutyl Phthalate(DBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Butyl benzyl phthalate (BBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Diisobutyl phthalate (DIBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000

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## Test Result(No.11):

Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
Cadmium(Cd)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	100
Lead(Pb)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	1000
Mercury(Hg)	mg/kg	IEC 62321-4:2013, ICP-AES	N.D.	2	1000
Hexavalent Chromium(CrVI)	mg/kg	IEC 62321-7-1:2015, UV-Vis	N.D.	2	1000
<b>Sum of PBBs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	N.D.	--	<b>1000</b>
Monobromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Dibromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tribromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tetrabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Pentabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Hexabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Heptabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Octabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Nonabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Decabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
<b>Sum of PBDEs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	N.D.	--	<b>1000</b>
Monobromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Dibromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tribromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tetrabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Pentabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Hexabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Heptabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Octabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Nonabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Decabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
<b>Phthalates</b>					
Dibutyl Phthalate(DBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Butyl benzyl phthalate (BBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Diisobutyl phthalate (DIBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000

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## Test Result(No.12):

Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
Cadmium(Cd)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	100
Lead(Pb)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	1000
Mercury(Hg)	mg/kg	IEC 62321-4:2013, ICP-AES	N.D.	2	1000
Hexavalent Chromium(CrVI)	mg/kg	IEC 62321-7-1:2015, UV-Vis	N.D.	2	1000
<b>Sum of PBBs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	N.D.	--	<b>1000</b>
Monobromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Dibromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tribromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tetrabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Pentabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Hexabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Heptabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Octabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Nonabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Decabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
<b>Sum of PBDEs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	N.D.	--	<b>1000</b>
Monobromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Dibromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tribromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Tetrabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Pentabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Hexabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Heptabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Octabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Nonabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
Decabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	N.D.	5	--
<b>Phthalates</b>					
Dibutyl Phthalate(DBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Butyl benzyl phthalate (BBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000
Diisobutyl phthalate (DIBP)	mg/kg	EN14372:2004, GC-MS	N.D.	30	1000

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## Test Result(No.13):

Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
Cadmium(Cd)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	100
Lead(Pb)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	1000
Mercury(Hg)	mg/kg	IEC 62321-4:2013, ICP-AES	N.D.	2	1000
Hexavalent Chromium(CrVI)	mg/kg	IEC 62321-7-1:2015, UV-Vis	N.D.	2	1000
<b>Sum of PBBs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	<b>--</b>	<b>--</b>	<b>1000</b>
Monobromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Dibromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Tribromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Tetrabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Pentabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Hexabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Heptabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Octabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Nonabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Decabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
<b>Sum of PBDEs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	<b>--</b>	<b>--</b>	<b>1000</b>
Monobromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Dibromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Tribromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Tetrabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Pentabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Hexabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Heptabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Octabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Nonabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Decabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
<b>Phthalates</b>					
Dibutyl Phthalate(DBP)	mg/kg	EN14372:2004, GC-MS	--	30	1000
Butyl benzyl phthalate (BBP)	mg/kg	EN14372:2004, GC-MS	--	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	EN14372:2004, GC-MS	--	30	1000
Diisobutyl phthalate (DIBP)	mg/kg	EN14372:2004, GC-MS	--	30	1000

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## Test Result(No.14):

Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
Cadmium(Cd)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	100
Lead(Pb)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	1000
Mercury(Hg)	mg/kg	IEC 62321-4:2013, ICP-AES	N.D.	2	1000
Hexavalent Chromium(CrVI)	mg/kg	IEC 62321-7-1:2015, UV-Vis	N.D.	2	1000
<b>Sum of PBBs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	<b>--</b>	<b>--</b>	<b>1000</b>
Monobromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Dibromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Tribromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Tetrabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Pentabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Hexabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Heptabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Octabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Nonabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Decabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
<b>Sum of PBDEs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	<b>--</b>	<b>--</b>	<b>1000</b>
Monobromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Dibromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Tribromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Tetrabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Pentabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Hexabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Heptabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Octabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Nonabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Decabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
<b>Phthalates</b>					
Dibutyl Phthalate(DBP)	mg/kg	EN14372:2004, GC-MS	--	30	1000
Butyl benzyl phthalate (BBP)	mg/kg	EN14372:2004, GC-MS	--	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	EN14372:2004, GC-MS	--	30	1000
Diisobutyl phthalate (DIBP)	mg/kg	EN14372:2004, GC-MS	--	30	1000

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## Test Result(No.15):

Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
Cadmium(Cd)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	100
Lead(Pb)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	1000
Mercury(Hg)	mg/kg	IEC 62321-4:2013, ICP-AES	N.D.	2	1000
Hexavalent Chromium(CrVI)	mg/kg	IEC 62321-7-1:2015, UV-Vis	N.D.	2	1000
<b>Sum of PBBs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	<b>--</b>	<b>--</b>	<b>1000</b>
Monobromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Dibromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Tribromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Tetrabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Pentabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Hexabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Heptabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Octabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Nonabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Decabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
<b>Sum of PBDEs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	<b>--</b>	<b>--</b>	<b>1000</b>
Monobromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Dibromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Tribromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Tetrabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Pentabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Hexabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Heptabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Octabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Nonabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Decabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
<b>Phthalates</b>					
Dibutyl Phthalate(DBP)	mg/kg	EN14372:2004, GC-MS	--	30	1000
Butyl benzyl phthalate (BBP)	mg/kg	EN14372:2004, GC-MS	--	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	EN14372:2004, GC-MS	--	30	1000
Diisobutyl phthalate (DIBP)	mg/kg	EN14372:2004, GC-MS	--	30	1000

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## Test Result(No.16):

Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
Cadmium(Cd)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	100
Lead(Pb)	mg/kg	IEC 62321-5:2013, ICP-AES	160	2	1000
Mercury(Hg)	mg/kg	IEC 62321-4:2013, ICP-AES	N.D.	2	1000
Hexavalent Chromium(CrVI)	mg/kg	IEC 62321-7-1:2015, UV-Vis	N.D.	2	1000
<b>Sum of PBBs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	<b>--</b>	<b>--</b>	<b>1000</b>
Monobromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Dibromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Tribromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Tetrabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Pentabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Hexabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Heptabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Octabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Nonabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Decabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
<b>Sum of PBDEs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	<b>--</b>	<b>--</b>	<b>1000</b>
Monobromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Dibromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Tribromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Tetrabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Pentabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Hexabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Heptabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Octabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Nonabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Decabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
<b>Phthalates</b>					
Dibutyl Phthalate(DBP)	mg/kg	EN14372:2004, GC-MS	--	30	1000
Butyl benzyl phthalate (BBP)	mg/kg	EN14372:2004, GC-MS	--	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	EN14372:2004, GC-MS	--	30	1000
Diisobutyl phthalate (DIBP)	mg/kg	EN14372:2004, GC-MS	--	30	1000

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## Test Result(No.17):

Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
Cadmium(Cd)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	100
Lead(Pb)	mg/kg	IEC 62321-5:2013, ICP-AES	N.D.	2	1000
Mercury(Hg)	mg/kg	IEC 62321-4:2013, ICP-AES	N.D.	2	1000
Hexavalent Chromium(CrVI)	mg/kg	IEC 62321-7-1:2015, UV-Vis	N.D.	2	1000
<b>Sum of PBBs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	<b>--</b>	<b>--</b>	<b>1000</b>
Monobromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Dibromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Tribromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Tetrabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Pentabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Hexabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Heptabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Octabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Nonabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Decabromobiphenyl	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
<b>Sum of PBDEs</b>	<b>mg/kg</b>	<b>IEC 62321-6:2015, GC-MS</b>	<b>--</b>	<b>--</b>	<b>1000</b>
Monobromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Dibromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Tribromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Tetrabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Pentabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Hexabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Heptabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Octabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Nonabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
Decabromodiphenyl ether	mg/kg	IEC 62321-6:2015, GC-MS	--	5	--
<b>Phthalates</b>					
Dibutyl Phthalate(DBP)	mg/kg	EN14372:2004, GC-MS	--	30	1000
Butyl benzyl phthalate (BBP)	mg/kg	EN14372:2004, GC-MS	--	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	EN14372:2004, GC-MS	--	30	1000
Diisobutyl phthalate (DIBP)	mg/kg	EN14372:2004, GC-MS	--	30	1000

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# Test Report

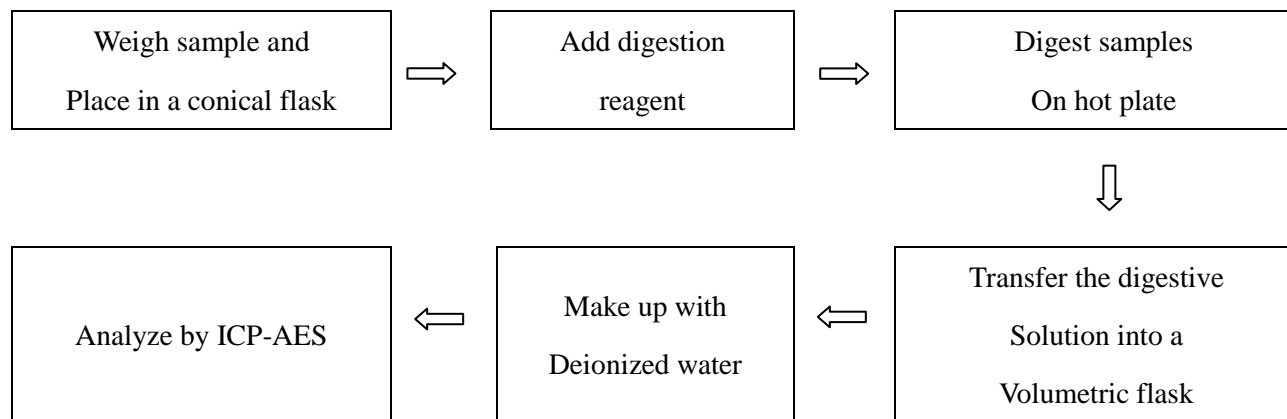
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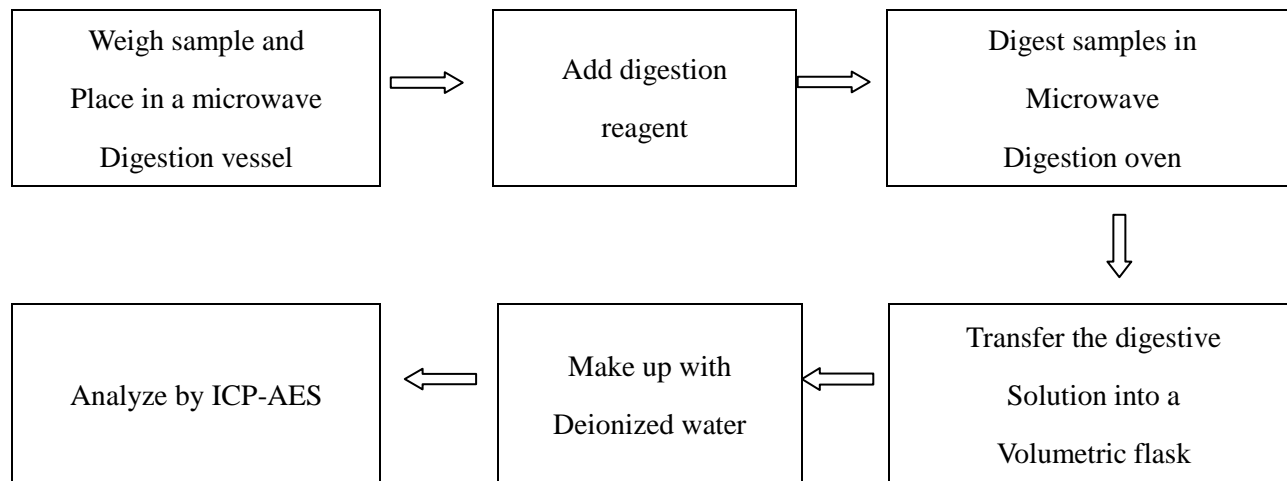
- Note:**
1. mg/kg= ppm
  2. N.D.= Not Detected(<MDL)
  3. MDL = Method Detection Limit
  4. -- = No Testing

## Test Process:

### 1. Test for Cd/Pb Content



### 2. Test for Hg Content



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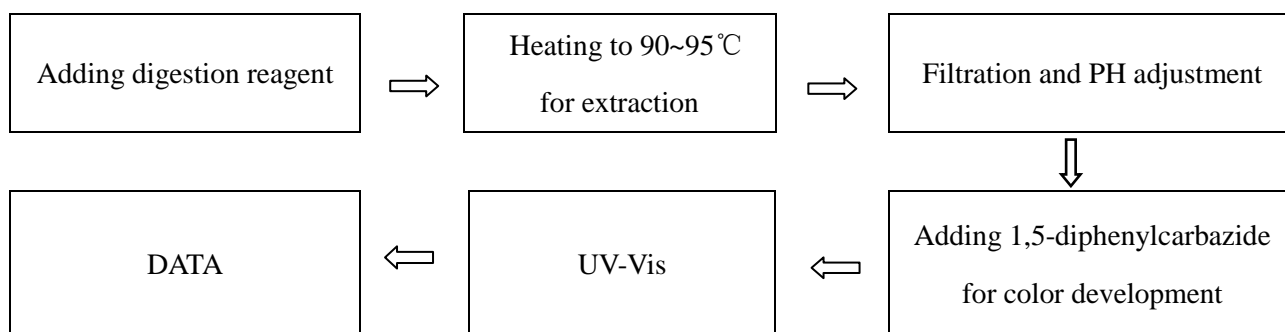
# Test Report

Report No : BSTDG1612657710002RR-4 Date: Dec.21, 2016

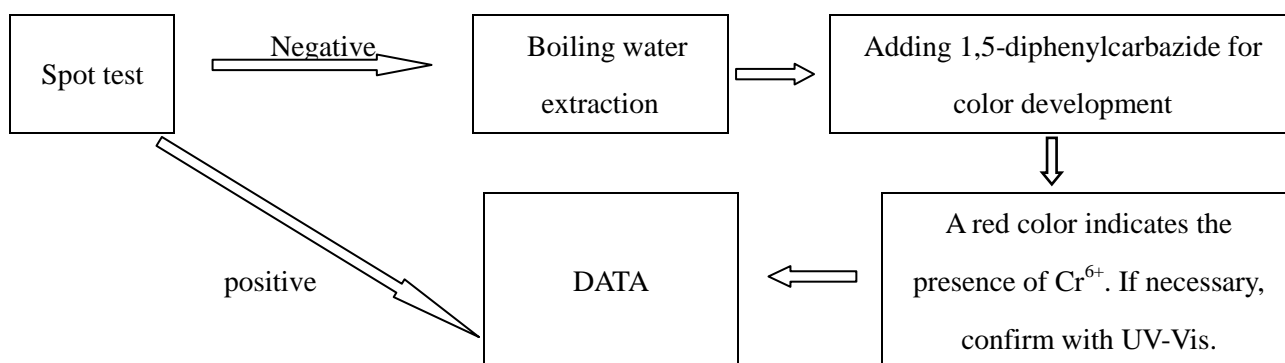
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## 3. Test for Chromium (VI) Content

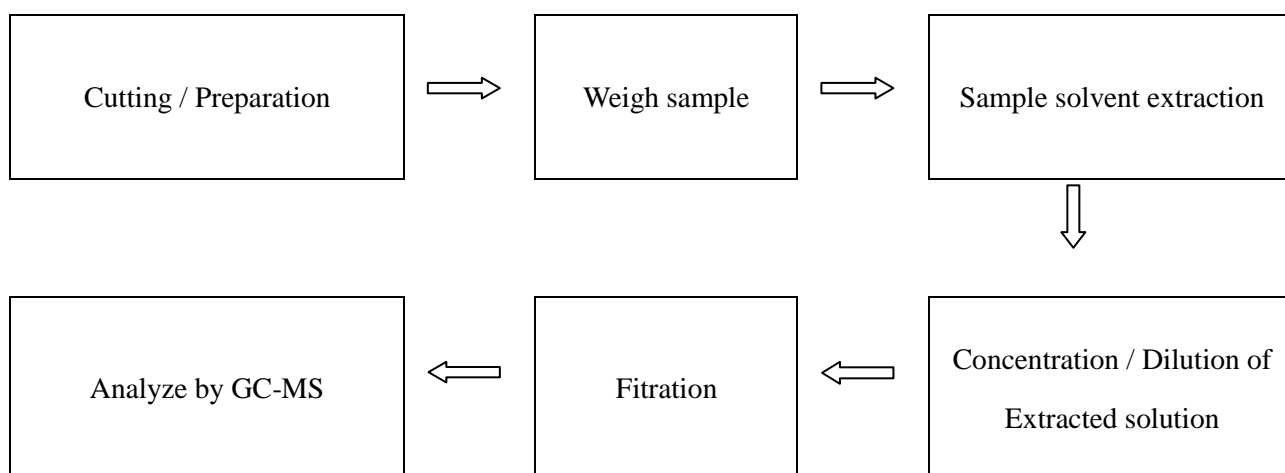
Nonmetallic material



Metallic material



## 4. Test for DBP, BBP, DEHP, DIBP, PBB, PBDE



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## Sample Photo:



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