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# RoHS COMPLIANT VERIFICATION



**RoHS Compliant Verification** hereby issued to the named Applicant and is **Valid only** for the product identified hereon for use under the rules and regulations listed below:

**KQTI Verified No. : KQTI-RoHS-201110-26**

**Applicant,s Name : DMBIO Co.,Ltd.**

**Applicant,s Address : #1842-14 Shinjung 1 dong, Nam-gu, Ulsan-si, Korea**

**Product Name : BIO ENERGY CARTRIDGE**

**Applicable Regulation :** Directive 2002/95/EC of the European parliament and of the council of 27 January 2003 on the RoHS EPA 6010B EPA 3060A

*I hereby declare that the product specified above conforms to the above Directive(s) and Standard(s) as described in the attached test report No. 111014-03-01 ~ 111014-03-16*

TESTED by: **KQTI Co., Ltd.**

**Date :** 26. October. 2011



**Authorized Signature :**

A handwritten signature in black ink, appearing to read 'Bo Young Lee'.

Bo Young Lee / Technical Manager

Report No. : **111014-03-11**  
Client : **DMBIO CO.,LTD.**  
**# 1842-14 Sinjung 1 dong, Nam-gu, Ulsan-si, Korea**  
**680-849**

The following merchandise was submitted and identified by the client :

Commodity : **Ceramic Ball (Dark Brown)**  
Received date : **October. 14. 2011**  
Test Performing date : **October. 14. 2011 ~ October. 24. 2011**  
Issued date : **October. 26. 2011**  
Test Performed : KQTI tested the samples selected by applicant following results  
Test Results : For further details, Please Refer to following pages

B. Y. Lee

Testing Person



J. K. Kwon

Lab Manager



1010, Human Sky Valley, 959 Goseac-Dong, Kwonsun-Gu, Suwon-Si, Gyeonggi-Do, KOREA

TEL:031)227-4280, FAX:031)227-4291, E-mail:kqti@kqti.co.kr, Home:www.kqti.co.kr

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Report No. : **111014-03-11**  
 Sample No. : **11**  
 Sample Description : **Ceramic Ball (Dark Brown)**

### Heavy Metals

Test items	Unit	Test Method	MDL	Results
Cadmium(Cd)	mg/kg	EPA 6010B:1996 ICP	0.5	N.D
Lead (Pb)	mg/kg	EPA 6010B:1996 ICP	5	N.D
Mercury(Hg)	mg/kg	EPA 6010B:1996 ICP	2	N.D
Hexavalent Chromium(CrVI)	mg/kg	EPA 3060A:1996 UV/VIS	1	N.D

### Flame Retardants-PBBs/PBDEs

Test items	Unit	Test Method	MDL	Results
<b>PBBs (Polybrominated Biphenyls)</b>				
Monobromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Dibromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Tribromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Tetrabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Pentabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Hexabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Heptabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Octabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Nonabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Decabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
<b>PBDEs (Polybrominated Diphenyl Ethers)</b>				
Monobromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Dibromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Tribromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Terabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Pentabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Hexabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Heptabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Octabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Nonabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Decabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D

NOTE : 1) N.D=Not Detected (<MDL)

2) MDL=Method Detection Limit

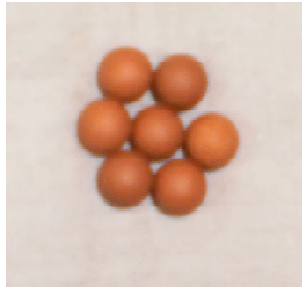
1010, Human Sky Valley, 959 Goseac-Dong, Kwonsun-Gu, Suwon-Si, Gyeonggi-Do, KOREA

TEL:031)227-4280 FAX:031)227-4291, E-mail:kqti@kqti.co.kr, Home:www.kqti.co.kr

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Report No. : **111014-03-11**

**Picture of sample as Received : Ceramic Ball (Dark Brown)**



**\*\*\*End\*\*\***

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Report No. : **111014-03-12**  
Client : **DMBIO CO.,LTD.**  
**# 1842-14 Sinjung 1 dong, Nam-gu, Ulsan-si, Korea**  
**680-849**

The following merchandise was submitted and identified by the client :

Commodity : **Ceramic Ball (Light Brown)**  
Received date : **October. 14. 2011**  
Test Performing date : **October. 14. 2011 ~ October. 24. 2011**  
Issued date : **October. 26. 2011**  
Test Performed : KQTI tested the samples selected by applicant following results  
Test Results : For further details, Please Refer to following pages

B. Y. Lee

Testing Person



J. K. Kwon

Lab Manager



1010, Human Sky Valley, 959 Goseac-Dong, Kwonsun-Gu, Suwon-Si, Gyeonggi-Do, KOREA

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Report No. : **111014-03-12**  
 Sample No. : **12**  
 Sample Description : **Ceramic Ball (Light Brown)**

### Heavy Metals

Test items	Unit	Test Method	MDL	Results
Cadmium(Cd)	mg/kg	EPA 6010B:1996 ICP	0.5	N.D
Lead (Pb)	mg/kg	EPA 6010B:1996 ICP	5	N.D
Mercury(Hg)	mg/kg	EPA 6010B:1996 ICP	2	N.D
Hexavalent Chromium(CrVI)	mg/kg	EPA 3060A:1996 UV/VIS	1	N.D

### Flame Retardants-PBBs/PBDEs

Test items	Unit	Test Method	MDL	Results
<b>PBBs (Polybrominated Biphenyls)</b>				
Monobromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Dibromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Tribromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Tetrabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Pentabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Hexabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Heptabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Octabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Nonabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Decabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
<b>PBDEs (Polybrominated Diphenyl Ethers)</b>				
Monobromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Dibromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Tribromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Terabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Pentabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Hexabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Heptabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Octabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Nonabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Decabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D

NOTE : 1) N.D=Not Detected (<MDL)

2) MDL=Method Detection Limit

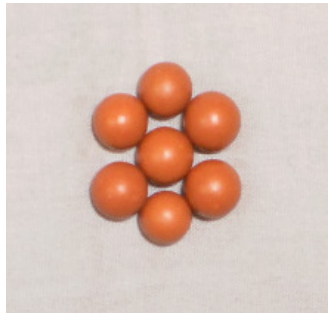
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TEL:031)227-4280 FAX:031)227-4291, E-mail:kqti@kqti.co.kr, Home:www.kqti.co.kr

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Report No. : **111014-03-12**

**Picture of sample as Received : Ceramic Ball (Light Brown)**



**\*\*\*End\*\*\***

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Report No. : **111014-03-13**  
Client : **DMBIO CO.,LTD.**  
**# 1842-14 Sinjung 1 dong, Nam-gu, Ulsan-si, Korea**  
**680-849**

The following merchandise was submitted and identified by the client :

Commodity : **Ceramic Ball (Brown)**  
Received date : **October. 14. 2011**  
Test Performing date : **October. 14. 2011 ~ October. 24. 2011**  
Issued date : **October. 26. 2011**  
Test Performed : KQTI tested the samples selected by applicant following results  
Test Results : For further details, Please Refer to following pages

B. Y. Lee

Testing Person



J. K. Kwon

Lab Manager



1010, Human Sky Valley, 959 Goseac-Dong, Kwonsun-Gu, Suwon-Si, Gyeonggi-Do, KOREA

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Report No. : **111014-03-13**  
 Sample No. : **13**  
 Sample Description : **Ceramic Ball (Brown)**

### Heavy Metals

Test items	Unit	Test Method	MDL	Results
Cadmium(Cd)	mg/kg	EPA 6010B:1996 ICP	0.5	N.D
Lead (Pb)	mg/kg	EPA 6010B:1996 ICP	5	N.D
Mercury(Hg)	mg/kg	EPA 6010B:1996 ICP	2	N.D
Hexavalent Chromium(CrVI)	mg/kg	EPA 3060A:1996 UV/VIS	1	N.D

### Flame Retardants-PBBs/PBDEs

Test items	Unit	Test Method	MDL	Results
<b>PBBs (Polybrominated Biphenyls)</b>				
Monobromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Dibromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Tribromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Tetrabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Pentabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Hexabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Heptabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Octabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Nonabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Decabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
<b>PBDEs (Polybrominated Diphenyl Ethers)</b>				
Monobromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Dibromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Tribromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Terabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Pentabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Hexabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Heptabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Octabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Nonabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Decabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D

NOTE : 1) N.D=Not Detected (<MDL)

2) MDL=Method Detection Limit

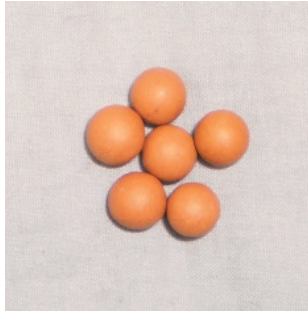
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TEL:031)227-4280 FAX:031)227-4291, E-mail:kqti@kqti.co.kr, Home:www.kqti.co.kr

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Report No. : **111014-03-13**

**Picture of sample as Received : Ceramic Ball (Brown)**



**\*\*\*End\*\*\***

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Report No. : **111014-03-14**  
Client : **DMBIO CO.,LTD.**  
**# 1842-14 Sinjung 1 dong, Nam-gu, Ulsan-si, Korea**  
**680-849**

The following merchandise was submitted and identified by the client :

Commodity : **Ceramic Ball (Gray)**  
Received date : **October. 14. 2011**  
Test Performing date : **October. 14. 2011 ~ October. 24. 2011**  
Issued date : **October. 26. 2011**  
Test Performed : KQTI tested the samples selected by applicant following results  
Test Results : For further details, Please Refer to following pages

B. Y. Lee

Testing Person



J. K. Kwon

Lab Manager



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Report No. : **111014-03-14**  
 Sample No. : **14**  
 Sample Description : **Ceramic Ball (Gray)**

### Heavy Metals

Test items	Unit	Test Method	MDL	Results
Cadmium(Cd)	mg/kg	EPA 6010B:1996 ICP	0.5	N.D
Lead (Pb)	mg/kg	EPA 6010B:1996 ICP	5	N.D
Mercury(Hg)	mg/kg	EPA 6010B:1996 ICP	2	N.D
Hexavalent Chromium(CrVI)	mg/kg	EPA 3060A:1996 UV/VIS	1	N.D

### Flame Retardants-PBBs/PBDEs

Test items	Unit	Test Method	MDL	Results
<b>PBBs (Polybrominated Biphenyls)</b>				
Monobromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Dibromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Tribromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Tetrabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Pentabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Hexabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Heptabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Octabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Nonabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Decabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
<b>PBDEs (Polybrominated Diphenyl Ethers)</b>				
Monobromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Dibromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Tribromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Terabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Pentabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Hexabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Heptabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Octabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Nonabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Decabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D

NOTE : 1) N.D=Not Detected (<MDL)

2) MDL=Method Detection Limit

1010, Human Sky Valley, 959 Goseac-Dong, Kwonsun-Gu, Suwon-Si, Gyeonggi-Do, KOREA

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Report No. : **111014-03-14**

**Picture of sample as Received : Ceramic Ball (Gray)**



**\*\*\*End\*\*\***

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Report No. : **111014-03-15**  
Client : **DMBIO CO.,LTD.**  
**# 1842-14 Sinjung 1 dong, Nam-gu, Ulsan-si, Korea**  
**680-849**

The following merchandise was submitted and identified by the client :

Commodity : **Ceramic Ball (White Large)**  
Received date : **October. 14. 2011**  
Test Performing date : **October. 14. 2011 ~ October. 24. 2011**  
Issued date : **October. 26. 2011**  
Test Performed : KQTI tested the samples selected by applicant following results  
Test Results : For further details, Please Refer to following pages

B. Y. Lee

Testing Person



J. K. Kwon

Lab Manager



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Report No. : **111014-03-15**  
 Sample No. : **15**  
 Sample Description : **Ceramic Ball (White Large)**

## Heavy Metals

Test items	Unit	Test Method	MDL	Results
Cadmium(Cd)	mg/kg	EPA 6010B:1996 ICP	0.5	N.D
Lead (Pb)	mg/kg	EPA 6010B:1996 ICP	5	N.D
Mercury(Hg)	mg/kg	EPA 6010B:1996 ICP	2	N.D
Hexavalent Chromium(CrVI)	mg/kg	EPA 3060A:1996 UV/VIS	1	N.D

## Flame Retardants-PBBs/PBDEs

Test items	Unit	Test Method	MDL	Results
<b>PBBs (Polybrominated Biphenyls)</b>				
Monobromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Dibromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Tribromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Tetrabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Pentabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Hexabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Heptabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Octabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Nonabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Decabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
<b>PBDEs (Polybrominated Diphenyl Ethers)</b>				
Monobromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Dibromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Tribromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Terabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Pentabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Hexabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Heptabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Octabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Nonabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Decabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D

NOTE : 1) N.D=Not Detected (<MDL)

2) MDL=Method Detection Limit

1010, Human Sky Valley, 959 Goseac-Dong, Kwonsun-Gu, Suwon-Si, Gyeonggi-Do, KOREA

TEL:031)227-4280 FAX:031)227-4291, E-mail:kqti@kqti.co.kr, Home:www.kqti.co.kr

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Report No. : **111014-03-15**

**Picture of sample as Received : Ceramic Ball (White Large)**



**\*\*\*End\*\*\***

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Report No. : **111014-03-16**  
Client : **DMBIO CO.,LTD.**  
**# 1842-14 Sinjung 1 dong, Nam-gu, Ulsan-si, Korea**  
**680-849**

The following merchandise was submitted and identified by the client :

Commodity : **Ceramic Ball (White Small)**  
Received date : **October. 14. 2011**  
Test Performing date : **October. 14. 2011 ~ October. 24. 2011**  
Issued date : **October. 26. 2011**  
Test Performed : KQTI tested the samples selected by applicant following results  
Test Results : For further details, Please Refer to following pages

B. Y. Lee

Testing Person



J. K. Kwon

Lab Manager



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Report No. : **111014-03-16**  
 Sample No. : **16**  
 Sample Description : **Ceramic Ball (White Small)**

## Heavy Metals

Test items	Unit	Test Method	MDL	Results
Cadmium(Cd)	mg/kg	EPA 6010B:1996 ICP	0.5	N.D
Lead (Pb)	mg/kg	EPA 6010B:1996 ICP	5	N.D
Mercury(Hg)	mg/kg	EPA 6010B:1996 ICP	2	N.D
Hexavalent Chromium(CrVI)	mg/kg	EPA 3060A:1996 UV/VIS	1	N.D

## Flame Retardants-PBBs/PBDEs

Test items	Unit	Test Method	MDL	Results
<b>PBBs (Polybrominated Biphenyls)</b>				
Monobromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Dibromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Tribromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Tetrabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Pentabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Hexabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Heptabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Octabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Nonabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Decabromobiphenyl	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
<b>PBDEs (Polybrominated Diphenyl Ethers)</b>				
Monobromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Dibromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Tribromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Terabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Pentabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Hexabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Heptabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Octabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Nonabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D
Decabromodiphenyl ether	mg/kg	EPA 3540C:1996, GC/MS	5	N.D

NOTE : 1) N.D=Not Detected (<MDL)

2) MDL=Method Detection Limit

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Report No. : **111014-03-16**

**Picture of sample as Received : Ceramic Ball (White Small)**



**\*\*\*End\*\*\***

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