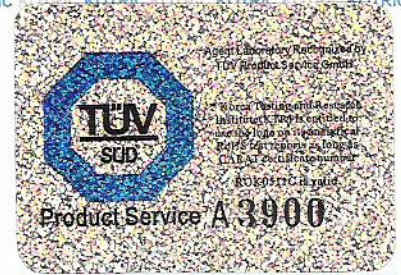


TEST REPORT



Report No : TAK-006410 Receipt Date : Apr.20.2006
 Name of President : Dong Joo Lee Test Date : Apr.25.2006
 Name of Company : DONGSHIN ENGINEERING CORPORATION
 Client's Address : (5F, Hana Bldg)#118-5, Nonhyeon-Dong, Gangnam-Gu, Seoul, Korea.
 Sample Name : Adhesive

TEST RESULTS

TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD
Pb	mg/kg		Not Detected	US EPA Method 6010B : 1996 (ICP)
Cd	mg/kg		Not Detected	US EPA Method 6010B : 1996 (ICP)
Hg	mg/kg		Not Detected	US EPA Method 6010B : 1996 (ICP)
Cr	mg/kg		Not Detected	US EPA Method 6010B : 1996 (ICP)
Total-PBBs	mg/kg		Not Detected	US EPA 8270 D
Mono-BB	mg/kg		Not Detected	US EPA 8270 D
Di-BB	mg/kg		Not Detected	US EPA 8270 D
Tri-BB	mg/kg		Not Detected	US EPA 8270 D
Tetra-BB	mg/kg		Not Detected	US EPA 8270 D
Penta-BB	mg/kg		Not Detected	US EPA 8270 D
Hexa-BB	mg/kg		Not Detected	US EPA 8270 D
Hepta-BB	mg/kg		Not Detected	US EPA 8270 D
Octa-BB	mg/kg		Not Detected	US EPA 8270 D
Nona-BB	mg/kg		Not Detected	US EPA 8270 D
Deca-BB	mg/kg		Not Detected	US EPA 8270 D
Total-PBDEs	mg/kg		Not Detected	US EPA 8270 D
Mono-BDE	mg/kg		Not Detected	US EPA 8270 D
Di-BDE	mg/kg		Not Detected	US EPA 8270 D
Tri-BDE	mg/kg		Not Detected	US EPA 8270 D
Tetra-BDE	mg/kg		Not Detected	US EPA 8270 D
Penta-BDE	mg/kg		Not Detected	US EPA 8270 D

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Testing Personnel : Jung Jung-Sul (82-31-999-3112)

Apr.25.2006

DIRECTOR GENERAL, KOREA TESTING & RESEARCH INSTITUTE FOR CHEMICAL INDUSTRY

TEST REPORT

Report No : TAK-006410

Receipt Date : Apr.20.2006

Name of President : Dong Joo Lee

Test Date : Apr.25.2006

Name of Company : DONGSHIN ENGINEERING CORPORATION

Client's Address : (5F, Hana Bldg)#118-5, Nonhyeon-Dong, Gangnam-Gu, Seoul, Korea.

Sample Name : Adhesive

TEST RESULTS

TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD
Hexa-BDE	mg/kg		Not Detected	US EPA 8270 D
Hepta-BDE	mg/kg		Not Detected	US EPA 8270 D
Octa-BDE	mg/kg		Not Detected	US EPA 8270 D
Nona-BDE	mg/kg		Not Detected	US EPA 8270 D
Deca-BDE	mg/kg		Not Detected	US EPA 8270 D

1. PBBs : Polybrominated biphenyls, PBDEs : Polybrominated diphenyl ethers.
2. Limit of detection : 1 mg/kg
3. Because of no certified standard solutions, the amount of Hepta-BB and Nona-BB of PBBs congeners was excluded in the quantitative analysis of total PBBs.
4. Limit of detection : Pb(5mg/kg), Cd, Hg, Cr(1mg/kg)

USAGE : QUALITY CONTROL

NOTE : 1. The test result of this test report only limited in the sample and sample name presented by the client and do not guarantee the all products of the client.
2. This test report shall be used only within the purpose of its defined usage and also shall not be used for public relation, advertisement and suit without the KOTRIC's written approval.

Testing Personnel : Jung Jung-Sul (82-31-999-3112)

Apr.25.2006

DIRECTOR GENERAL, KOREA TESTING & RESEARCH INSTITUTE FOR CHEMICAL INDUSTRY

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Jung Jung-Sul



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 TEL : +82-2-2164-0011 FAX : +82-2-2634 1008

TEST REPORT



Report No : TAK-006409 Receipt Date : Apr.20.2006
 Name of President : Dong Joo Lee Test Date : Apr.26.2006
 Name of Company : DONGSHIN ENGINEERING CORPORATION
 Client's Address : (5F, Hana Bldg)#118-5, Nonhyeon-Dong, Gangnam-Gu, Seoul, Korea.
 Sample Name : AL Foil(63.5 u)

TEST RESULTS

TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD
Pb	mg/kg		19	ISO 4192 : 1981 (AAS)
Cd	mg/kg		Not Detected	ISO 4192 : 1981 (Applied, AAS)
Hg	mg/kg		Not Detected	JIS H 1066 : 1993 (Applied, AAS)
Cr ⁶⁺	mg/kg		Not Detected	US EPA Method 3060A : 1996 (UV/Vis)
Total-PBBs	mg/kg		Not Detected	US EPA 8270 D
Mono-BB	mg/kg		Not Detected	US EPA 8270 D
Di-BB	mg/kg		Not Detected	US EPA 8270 D
Tri-BB	mg/kg		Not Detected	US EPA 8270 D
Tetra-BB	mg/kg		Not Detected	US EPA 8270 D
Penta-BB	mg/kg		Not Detected	US EPA 8270 D
Hexa-BB	mg/kg		Not Detected	US EPA 8270 D
Hepta-BB	mg/kg		Not Detected	US EPA 8270 D
Octa-BB	mg/kg		Not Detected	US EPA 8270 D
Nona-BB	mg/kg		Not Detected	US EPA 8270 D
Deca-BB	mg/kg		Not Detected	US EPA 8270 D
Total-PBDEs	mg/kg		Not Detected	US EPA 8270 D
Mono-BDE	mg/kg		Not Detected	US EPA 8270 D
Di-BDE	mg/kg		Not Detected	US EPA 8270 D
Tri-BDE	mg/kg		Not Detected	US EPA 8270 D
Tetra-BDE	mg/kg		Not Detected	US EPA 8270 D
Penta-BDE	mg/kg		Not Detected	US EPA 8270 D
Hexa-BDE	mg/kg		Not Detected	US EPA 8270 D

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Testing Personnel : Jung Jung-Sul (82-31-999-3112)

Apr.26.2006

DIRECTOR GENERAL, KOREA TESTING & RESEARCH INSTITUTE FOR CHEMICAL INDUSTRY

TEST REPORT

Report No : TAK-006409

Receipt Date : Apr.20.2006

Name of President : Dong Joo Lee

Test Date : Apr.26.2006

Name of Company : DONGSHIN ENGINEERING CORPORATION

Client's Address : (5F, Hana Bldg)#118-5, Nonhyeon-Dong, Gangnam-Gu, Seoul, Korea.

Sample Name : AL Foil(63.5 u)

TEST RESULTS

TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD
Hepta-BDE	mg/kg		Not Detected	US EPA 8270 D
Octa-BDE	mg/kg		Not Detected	US EPA 8270 D
Nona-BDE	mg/kg		Not Detected	US EPA 8270 D
Deca-BDE	mg/kg		Not Detected	US EPA 8270 D

1. PBBs : Polybrominated biphenyls, PBDEs : Polybrominated diphenyl ethers.
2. Limit of detection : 1 mg/kg
3. Because of no certified standard solutions, the amount of Hepta-BB and Nona-BB of PBBs congeners was excluded in the quantitative analysis of total PBBs.
4. Limit of detection : Pb(10mg/kg), Cd(1mg/kg), Hg(1mg/kg), Cr⁶⁺ (2mg/kg)

USAGE : QUALITY CONTROL

NOTE : 1. The test result of this test report only limited in the sample and sample name presented by the client and do not guarantee the all products of the client.
2. This test report shall be used only within the purpose of its defined usage and also shall not be used for public relation, advertisement and suit without the KOTRIC's written approval.

Testing Personnel : Jung Jung-Sul (82-31-999-3112)

Apr.26.2006

DIRECTOR GENERAL, KOREA TESTING & RESEARCH INSTITUTE FOR CHEMICAL INDUSTRY

2 of Total 2 Page(s)

Bo Won Lee