

# TEST REPORT

Applicant : E-TECH ELECTRONICS CO., LTD.  
Address : (36Block 1Lot, Namdong-Industrial Complex) #610 Namchon-dong,  
Namdong-ku, Incheon, Korea

Page: 1 of 5

Report No. RT09R-S4049-E

Date: Sep. 14, 2009

Sample Description : The following submitted sample(s) said to be:-

Name/Type of Product : UNIBOND  
Name of Material : EPOXY RESIN  
Sample ID No. : RT09R-S4049  
Manufacturer/Vender : E-TECH ELECTRONICS CO., LTD.

Sample received : Sep. 09, 2009  
Testing Date : Sep. 09, 2009 ~ Sep. 14, 2009  
Testing Laboratory : Intertek Testing Center  
Testing Environment : Temperature : ( 24 ± 2 ) °C, Humidity : ( 60 ± 5 ) % R.H.

Test Method(s) : Please see the following page(s).  
Test Result(s) : Please see the following page(s).

\* Note 1 : The test results presented in this report relate only to the object tested.

\* Note 2 : This report shall not be reproduced except in full without the written approval of the testing laboratory.

Approved by,



Jade Jang / Lab. Technical Manager

Authorized by,



Bo Park / Lab. General Manager

## TEST REPORT

Page: 2 of 5

Date: Sep. 14, 2009

Report No. RT09R-S4049-E

Sample ID No. : RT09R-S4049

Sample Description : UNIBOND

Test Items	Unit	Test Method	MDL	Results
Cadmium (Cd)	mg/kg	With reference to US EPA 3052, by acid digestion and determined by ICP-OES	0.5	N.D.
Lead (Pb)	mg/kg	With reference to US EPA 3052, by acid digestion and determined by ICP-OES	5	N.D.
Mercury (Hg)	mg/kg	With reference to US EPA 3052, by acid digestion and determined by ICP-OES	2	N.D.
Hexavalent Chromium (Cr <sup>6+</sup> )	mg/kg	With reference to US EPA 3060A and determined by UV-VIS Spectrophotometer	1	N.D.
Polybrominated Biphenyl (PBBs)				
Monobromobiphenyl	mg/kg	With reference to US EPA 3540C, by solvent extraction and determined by GC/MS	5	N.D.
Dibromobiphenyl	mg/kg		5	N.D.
Tribromobiphenyl	mg/kg		5	N.D.
Tetrabromobiphenyl	mg/kg		5	N.D.
Pentabromobiphenyl	mg/kg		5	N.D.
Hexabromobiphenyl	mg/kg		5	N.D.
Heptabromobiphenyl	mg/kg		5	N.D.
Octabromobiphenyl	mg/kg		5	N.D.
Nonabromobiphenyl	mg/kg		5	N.D.
Decabromobiphenyl	mg/kg		5	N.D.
Polybrominated Diphenyl Ether (PBDEs)				
Monobromodiphenyl ether	mg/kg	With reference to US EPA 3540C, by solvent extraction and determined by GC/MS	5	N.D.
Dibromodiphenyl ether	mg/kg		5	N.D.
Tribromodiphenyl ether	mg/kg		5	N.D.
Tetrabromodiphenyl ether	mg/kg		5	N.D.
Pentabromodiphenyl ether	mg/kg		5	N.D.
Hexabromodiphenyl ether	mg/kg		5	N.D.
Heptabromodiphenyl ether	mg/kg		5	N.D.
Octabromodiphenyl ether	mg/kg		5	N.D.
Nonabromodiphenyl ether	mg/kg		5	N.D.
Decabromodiphenyl ether	mg/kg		5	N.D.

Tested by : Nikkie Lee, Peter Kim, Ellen Jung, Jessica Kang

Notes :  $\mu\text{g/kg}$  = ppm = parts per million

&lt; = Less than

N.D. = Not detected ( &lt;MDL )

MDL = Method detection limit

This Test Report is issued by the Company subject to its Terms and Conditions of Business Printed overleaf. Attention is drawn to the limitations of liability, notification and jurisdictional issues defined therein. This Test Report shall not be reproduced, except in full, without prior written consent of the Company.

Intertek Testing Center

Office : Tel : 02-2109-1250 Fax : 02-2109-1259 Gumi Office : Tel : 054-462-7647 Fax : 054-462-7657 Web : [www.Intertek.co.kr](http://www.Intertek.co.kr)  
 Lab. : #709, 7Fl, Ace Techno Tower V, 197-22, Guro-3Dong, Guro-Gu, Seoul 152-766 Korea Tel : 02-2109-1260 Fax : 02-2109-1258  
 Lab. : #340 2, Yongam-Ri, Chongryang-Myun, Uiju-Gun, Ulsan 689-865 Korea Tel : 052-275-6754 Fax : 052-276-6792

Report No. RT09R-S4049-E

Sample ID No. : RT09R-S4049

Sample Description : UNIBOND

Test Items	Unit	Test Method	MDL	Results
Bromine (Br)	mg/kg	With reference to EN 14582, by oxygen combustion with bomb and determined by IC	30	N.D.
Chlorine (Cl)	mg/kg	With reference to EN 14582, by oxygen combustion with bomb and determined by IC	30	5790

Tested by : Nikkie Lee

Notes : mg/kg = ppm = parts per million

&lt; = Less than

N.D. = Not detected ( &lt;MDL )

MDL = Method detection limit

\* View of sample as received;-



Test Report is issued by the Company subject to its Terms and Conditions of Business Printed overleaf. Attention is drawn to the limitation of liability and jurisdictional issues defined therein. This Test Report shall not be reproduced, except in full, without prior written consent of the Company.

Intertek Testing Center