

# Test Report

ADVANTEK INC.  
5801 CLEARWATER DRIVE, MINNETONKA, MN 55343,  
U. S. A.

Report No. : CE/2005/C5940  
Date : 2005/12/28  
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**The following merchandise was (were) submitted and identified by the client as :**

Type of Product : COVER TAPE  
Style/Item No : ADVANTEK AD SERIES COVER TAPE  
Base Material : POLYESTER  
Sample Received : 2005/12/21  
Testing Date : 2005/12/21 TO 2005/12/28

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**Test Result** : - Please see the next page -

  
Daniel Yeh, M.R. / Operation Manager  
Signed for and on behalf of  
SGS TAIWAN LTD.

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## Test Result

PART NAME NO.1 : TRANSLUCENT TAPE

Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
Monobromobiphenyl	%	With reference to USEPA3540C or USEPA3550C. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC)	0.0005	N.D.	-
Dibromobiphenyl	%		0.0005	N.D.	-
Tribromobiphenyl	%		0.0005	N.D.	-
Tetrabromobiphenyl	%		0.0005	N.D.	-
Pentabromobiphenyl	%		0.0005	N.D.	-
Hexabromobiphenyl	%		0.0005	N.D.	-
Heptabromobiphenyl	%		0.0005	N.D.	-
Octabromobiphenyl	%		0.0005	N.D.	-
Nonabromobiphenyl	%		0.0005	N.D.	-
Decabromobiphenyl	%		0.0005	N.D.	-
<b>Total PBBs (Polybrominated biphenyls)/Sum of above</b>	%		-	N.D.	-
Monobromobiphenyl ether	%	With reference to USEPA3540C or USEPA3550C. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC)	0.0005	N.D.	-
Dibromobiphenyl ether	%		0.0005	N.D.	-
Tribromobiphenyl ether	%		0.0005	N.D.	-
Tetrabromobiphenyl ether	%		0.0005	N.D.	-
Pentabromobiphenyl ether	%		0.0005	N.D.	-
Hexabromobiphenyl ether	%		0.0005	N.D.	-
Heptabromobiphenyl ether	%		0.0005	N.D.	-
Octabromobiphenyl ether	%		0.0005	N.D.	-
Nonabromobiphenyl ether	%		0.0005	N.D.	-
Decabromobiphenyl ether	%		0.0005	N.D.	-
<b>Total PBBEs(PBDEs) (Polybrominated biphenyl ethers)/Sum of above</b>	%		-	N.D.	-
<b>Total of Mono to Nona-brominated biphenyl ether. (Note 4)</b>	%	-	N.D.	-	

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PASS

Test Item (s):	Unit	Method	MDL	Result	Spec.
				No.1	
94/62/EC (Heavy metal content)					
Chromium VI (Cr+6)	ppm	UV-VIS after reference to US EPA 3060A.	2	N.D.	-
Cadmium (Cd)	ppm	ICP-AES after as per US EPA 3052.	2	N.D.	-
Mercury (Hg)	ppm	ICP-AES after as per US EPA 3052.	2	N.D.	-
Lead (Pb)	ppm	ICP-AES after as per US EPA 3052.	2	N.D.	-
Total Lead+Cadmium+Mercury+Chromium VI	ppm	Total Lead+Cadmium+Mercury+Chromium VI (94/62/EC)	-	N.D.	100

- NOTE: (1) N.D. = Not detected (<MDL)  
 (2) ppm = mg/kg  
 (3) MDL = Method Detection Limit  
 (4) Decabromodiphenyl ether (DecaBDE) in polymeric applications is Commission Decision of 13 Oct 2005 amending Directive under document 2005/717/EC.  
 (5) PBBEs=PBDEs=Polybrominated Diphenyl Ethers=PBDOs=PBBOs.  
 (6) " - " = Not Regulation

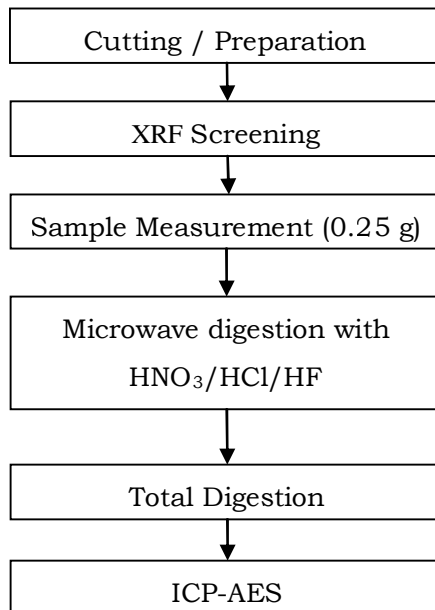
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- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart.
- 2) Name of the person who made measurement: Anren Lee
- 3) Name of the person in charge of measurement: Daniel Yeh

**Flow Chart of Digestion for Plastic –EPA3052 for Pb · Cd (without residue)**



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