

# Test Report

No. : CE/2006/C3105A

Date : 2006/12/20

Page : 1 of 4

3M TAIWAN LTD.

6F., NO. 95, SEC. 2, DUNHUA S. RD., TAIPEI 10682, TAIWAN



## Report on the submitted sample said to be 3M TAPE.

Style/Item No : 56  
Other Info. : LOT 6305  
Sample Receiving Date : 2006/12/13  
Testing Period : 2006/12/13 TO 2006/12/20


=====  
**Test Requested** : In accordance with the RoHS Directive 2002/95/EC, and its amendment directives.

**Test Method** : With reference to IEC 62321, Ed.1 111/54/CDV  
Procedures for the Determination of Levels of Regulated Substances in Electrotechnical Products.

- (1) Determination of Cadmium by ICP-AES.
- (2) Determination of Lead by ICP-AES.
- (3) Determination of Mercury by ICP-AES.
- (4) Determination of Hexavalent Chromium for non-metallic samples by UV/Vis Spectrometry.
- (5) Determination of PBB and PBDE by GC/MS.

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

**Conclusion** : Based on the performed tests on submitted samples, the test results are **compliant with** the limits of RoHS Directive 2002/95/EC and its subsequent amendments.

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

# Test Report

No. : CE/2006/C3105A

Date : 2006/12/20

Page : 2 of 4

3M TAIWAN LTD.

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Test results by chemical method (Unit: mg/kg)

Test Item (s):	Method (Refer to)	Result	MDL	RoHS Limit
		No.1		
Cadmium (Cd)	(1)	n.d.	2	100
Lead (Pb)	(2)	n.d.	2	1000
Mercury (Hg)	(3)	n.d.	2	1000
Hexavalent Chromium (CrVI) by alkaline extraction	(4)	n.d.	2	1000
<b>Sum of PBBs</b>	(5)	n.d.	-	1000
Monobromobiphenyl		n.d.	5	-
Dibromobiphenyl		n.d.	5	-
Tribromobiphenyl		n.d.	5	-
Tetrabromobiphenyl		n.d.	5	-
Pentabromobiphenyl		n.d.	5	-
Hexabromobiphenyl		n.d.	5	-
Heptabromobiphenyl		n.d.	5	-
Octabromobiphenyl		n.d.	5	-
Nonabromobiphenyl		n.d.	5	-
Decabromobiphenyl		n.d.	5	-
<b>Sum of PBDEs (Mono to Nona) (Note 4)</b>		n.d.	-	1000
Monobromobiphenyl ether		n.d.	5	-
Dibromobiphenyl ether		n.d.	5	-
Tribromobiphenyl ether		n.d.	5	-
Tetrabromobiphenyl ether		n.d.	5	-
Pentabromobiphenyl ether		n.d.	5	-
Hexabromobiphenyl ether		n.d.	5	-
Heptabromobiphenyl ether		n.d.	5	-
Octabromobiphenyl ether		n.d.	5	-
Nonabromobiphenyl ether		n.d.	5	-
Decabromobiphenyl ether		n.d.	5	-
<b>Sum of PBDEs (Mono to Deca)</b>		n.d.	-	-

## Test Part Description:

NO.1 : YELLOW TAPE (EXCLUDING THE RELEASE PAPER)

Note : 1. mg/kg = ppm

2. n.d. = Not Detected

3. MDL = Method Detection Limit

4. Sum of Mono to NonaBDE & according to 2005/717/EC DecaBDE is exempt.

5. "-" = Not Regulated

# Test Report

No. : CE/2006/C3105A

Date : 2006/12/20

Page : 3 of 4

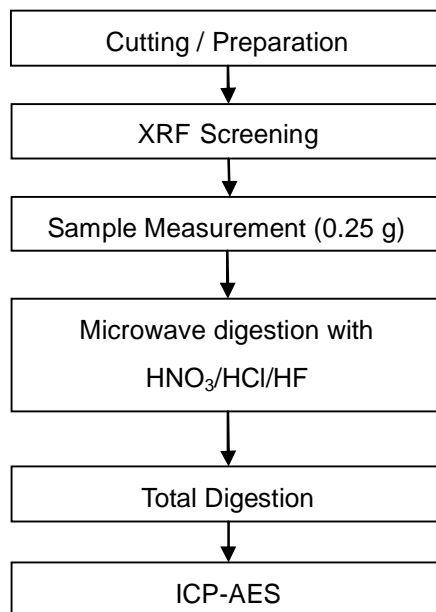
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- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart.
- 2) Name of the person who made measurement: Anren Lee
- 3) Name of the person in charge of measurement: Daniel Yeh

### Flow Chart of Digestion for Plastic for Pb 、 Cd (without residue)



## Test Report

No. : CE/2006/C3105A

Date : 2006/12/20

Page : 4 of 4

3M TAIWAN LTD.

6F., NO. 95, SEC. 2, DUNHUA S. RD., TAIPEI 10682, TAIWAN



\*\* End of Report \*\*