

3M HONG KONG LTD.  
5/F. VICTORIA CENTRE,  
15 WATSON ROAD,  
NORTH POINT  
HONG KONG

The following sample was submitted and identified on behalf of the client as :  
CREAM FLAME-RETARDANT EPOXY FILM WITH RUBBER THERMOSETTING ADHESIVE

SGS Job No.	:	1142126
Lot No	:	070508S1C68
Part No	:	3M SUPER 10 ELECTRICAL TAPE
Supplier	:	3M HONG KONG
Date of Sample(s) Received	:	DEC 21 2007
Testing Period	:	DEC 21 - 31 2007
Test Requested/ Test Method	:	<ul style="list-style-type: none"><li>- In accordance with RoHS Directive 2002/95/EC, and its amendment directives. With reference to IEC 62321 (Ed. 1) 111/54/CDV. Procedures for the Determination of Levels of Regulated Substances in Electrotechnical Products.</li><li>- Determination of Lead &amp; Cadmium by ICP/ AAS Determination of Mercury by ICP/ CV-AAS</li><li>- Determination of Hexavalent Chromium by colorimetric method (UV-VIS).</li><li>- Determination of PBBs and PBDEs by GC-MS.</li><li>- For other test: To determine Tetrabromobisphenol-A (TBBP-A) content in the submitted sample with reference to DIN 53313 and IEC 62321 ed.1., by GC-MS Technique.</li></ul>

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## Test Report

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Test Results : Please refer to next page.

Conclusion : - Based on the performed tests on submitted sample, the results comply with the RoHS Directive 2002/95/EC and its subsequent amendments.

Signed for and on behalf of  
SGS Hong Kong Ltd.



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Ho Ka Ting Family  
Senior Laboratory Executive

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### Test Results:

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

	<u>1</u>	<u>MDL</u>	<u>Limit</u>
Cadmium (Cd)	n.d.	2	100
Lead (Pb)	6	2	1000
Mercury (Hg)	n.d.	2	1000
Hexavalent Chromium (CrVI) by colorimetric method	n.d.	2	1000
<b>Sum of PBBs (Mono to Deca)</b>	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 (Note 4)</b>	n.d.	-	1000
<b>Sum of PBDEs (Mono to Deca)</b>	n.d.	-	
Dibromodiphenyl ether	n.d.	5	
Monobromodiphenyl ether	n.d.	5	
Tribromodiphenyl ether	n.d.	5	
Tetrabromodiphenyl ether	n.d.	5	
Pentabromodiphenyl ether	n.d.	5	
Hexabromodiphenyl ether	n.d.	5	
Heptabromodiphenyl ether	n.d.	5	
Octabromodiphenyl ether	n.d.	5	
Nonabromodiphenyl ether	n.d.	5	
Decabromodiphenyl ether	n.d.	5	

### Note :

- (1) mg/kg = ppm
- (2) MDL = Method Detection Limit
- (3) n.d. = Not Detected
- (4) Sum of Mono to NonaBDE & according to 2005/717/EC DecaBDE is exempt.
- (5) - = Not Regulated
- (6) -- = Not Conducted

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### Tetrabromobisphenol-A (TBBP-A)

	<u>CAS-No.</u>	<u>1</u>	<u>DL</u>
Tetrabromobisphenol-A (TBBP-A)	79-94-7	n.d.	5

#### Note :

- (1) Unit: mg/kg = ppm
- (2) DL = Detection Limit
- (3) n.d. = Not Detected

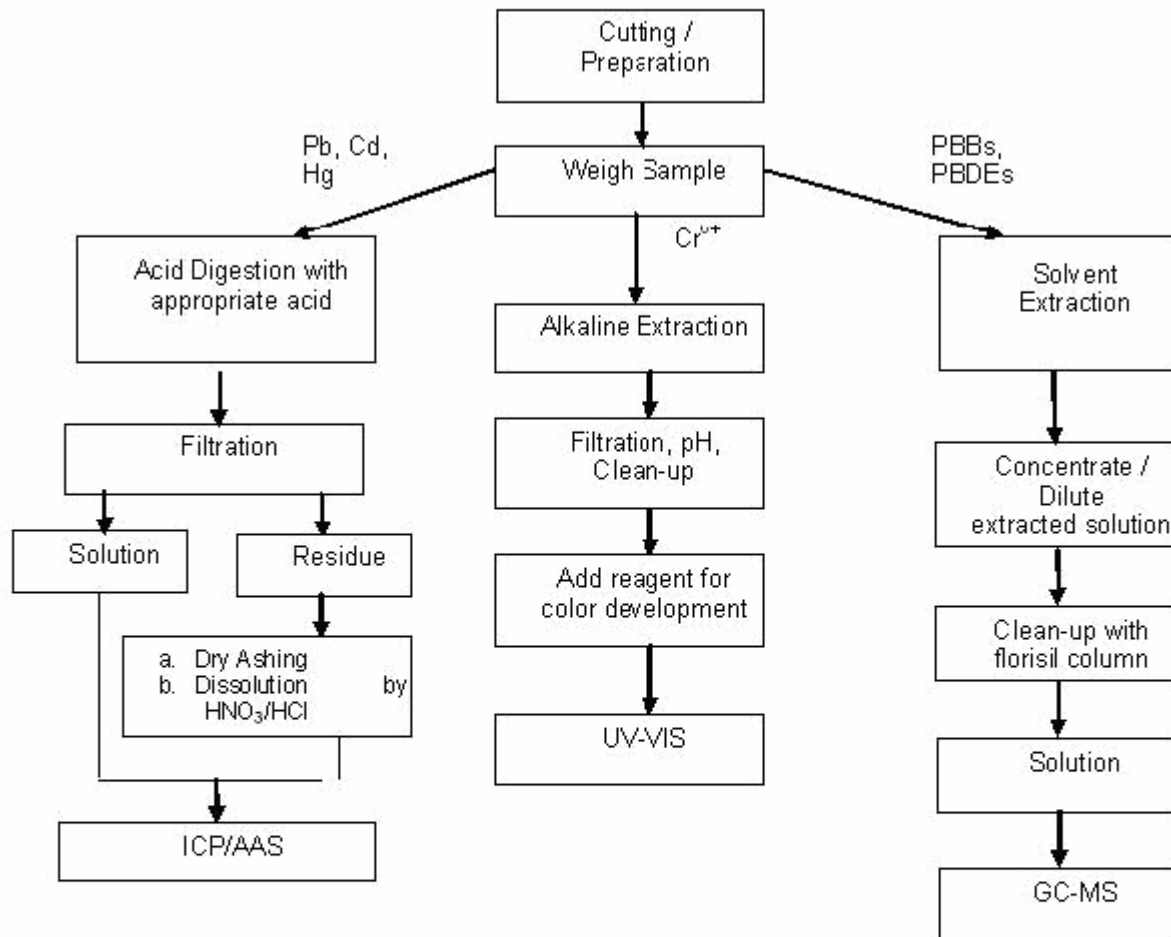
#### Sample Description

1 Beige Plastic Tape

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### Flowchart:



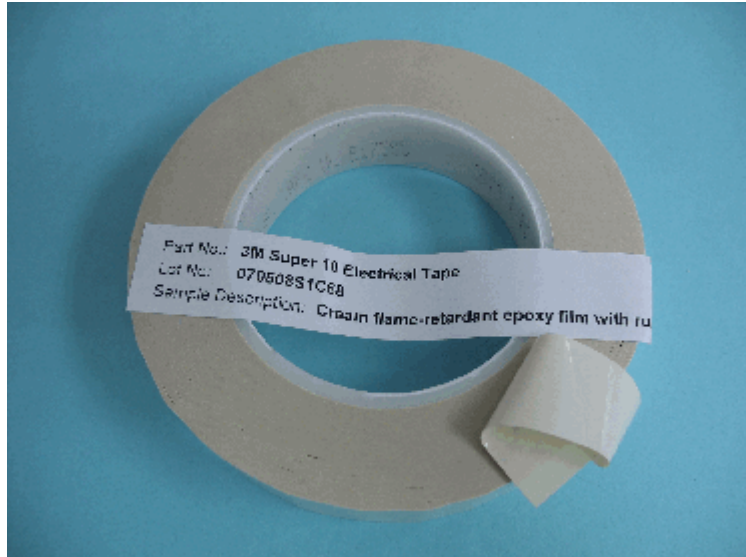
- Note : 1) For Cr(M), we also use spot test method for metal sample.  
 2) The Cd and Pb contents test on polymeric samples were dissolved totally by pre-conditioning method according to above flow chart.

Operator : Chow Wah Tung / Tang Koon Pang (Acid digestion)  
So Kwong Tat (Dry Ashing)  
Lam Ka Yung, Allen (Hexavalent Chromium)  
Lau Chung Yn, Eric (PBBs and PBDEs)

Section Chief : Ho Ka Ting, Family

Sample photo:

## EC407468002 (Sample 1)



SGS authenticate the photo on original report only

\*\*\* End Of Report \*\*\*

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