

**TEST REPORT** 

No. 10052975/06(3)

Date: 28 Apr 2006

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Nelco Products Pte Ltd 4 Gul Crescent, Jurona Singapore 629520

Attn: Mr Lee Kok Wee

The following samples were submitted and identified by the client as:

Sample Name

Plastic Sheets

Sample Description

Laminate Sample N4000-7

Label No.

Sample Received Testing Date

20 Apr 2006

20 to 28 Apr 2006

Test Requested

- 1) To determine the Hexavalent Chromium Content on the submitted sample.
- 2) To determine the Cadmium Content on the submitted sample. 3) To determine the Mercury Content on the submitted sample
- 4) To determine the Lead Content on the submitted sample
- 5) To determine PBBs (Polybrominated biphenyls) and PBDEs (Polybrominated diphenylethers) Content of the submitted sample.

Test Method

- With reference to SGS in-house Method RSTS E&E 004 (Standard: EPA 3060A/7196A), the analysis was performed colorimetrically by UV-Visible Spectrophotometer
- 2) With reference to SGS in-house Method RSTS E&E 004 the analysis was performed by Inductively Coupled Plasma-Atomic **Emission Spectrometry**
- 3) With reference to SGS in-house Method RSTS E&E 004 the analysis was performed by Inductively Coupled Plasma-Atomic Emission Spectrometry
- 4) With reference to SGS in-house Method RSTS E&E 004 the analysis was performed by Inductively Coupled Plasma-Atomic **Emission Spectrometry**
- With reference to SGS in-house Method RSTS E&E 004 (Standard: EPA 3540C/3550C), the analysis was performed by Gas Chromatography-Mass Spectrometer.

Test Results

Please refer to next page

Signed for and on behalf of SGS Testing & Control Services Singapore Pte Ltd

Y.C. Tham Laboratory Manager

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## **Test Results:**

1-4)

Test Item (s)	Result	Unit	Detection Limit
Chromium VI (Cr <sup>+6</sup> )	N D	mg/kg	2
Cadmium (Cd)	ND	mg/kg	2
Mercury (Hg)	ND	mg/kg	2
Lead (Pb)	N D	mg/kg	2

(Results shown are based on total weight of samples)

5)

Flame Retardants	Result	Detection Limit	Limit
Polybrominated Biphenyls	N D	50 mg/kg	1000 mg/kg
(Mono - Deca)			
Mono bromobiphenyl	ND	5 mg/kg	
Dibromobiphenyl	ND	5 mg/kg	-
Tribromobiphenyl	ND	5 mg/kg	_
Tetrabromobiphenyl	ND	5 mg/kg	
Pentabromobiphenyl	N D	5 mg/kg	
Hexabromobiphenyl	ND	5 mg/kg	<del></del>
Heptabromobiphenyl	N D	5 mg/kg	
Octabromobiphenyl	ND	5 mg/kg	
Nonabromobiphenyl	ND	5 mg/kg	
Decabromobiphenyl	ND	5 mg/kg	

Polybrominated Diphenyl	ND	45 mg/kg	1000 mg/kg
Ethers (Mono - Nona)			
Monobromodiphenyl ether	ND	5 mg/kg	_
Dibromodiphenyl ether	N D	5 mg/kg	
Tribromodiphenyl ether	ND	5 mg/kg	
Tetrabromodiphenyl ether	ND	5 mg/kg	
Pentabromodiphenyl ether	N D	5 mg/kg	
Hexabromodiphenyl ether	ND	5 mg/kg	
Heptabromodiphenyl ether	ND	5 mg/kg	
Octabromodiphenyl ether	N D	5 mg/kg	
Nonabromodiphenyl ether	N D	5 mg/kg	
Decabromodiphenyl ether*	N D	5 mg/kg	

Note:

mg/kg = ppm

= Not Detected (reading is less than detection limit value)

Remark:

\* Decabromodiphenyl ether (DecaBDE) in polymeric applications is exempted by Commision Decision of 13 Oct 2005 amending Directive 2002/95/EC notified under

document 2005/717/EC

## \*\*\*End of Report\*\*\*

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