

Method of Test (Cont'd)**4. Detection of Asbestos**

The sample was analysed by microscopy, based on the United States National Institute for Occupational Safety and Health (NIOSH) Method, 9002 - Asbestos (bulk) by PLM.

5. Detection of Organic Aryl Amines released from Azo Compounds

The sample was extracted with an appropriate solution. The extract was then reduced by Sodium Dithionite. The released Aryl Amines were analysed by Gas Chromatograph with Mass Selective Detector (GC-MSD).

Results**Table 1: The Elemental Analysis results for Sample "N4000-11"**

Test	Results
Cadmium Content (Cd)	< 5 ppm, w/w

Table 2: The GC-MS Analysis results for Sample "N4000-11"

Test	Results
Polybromo Biphenyls (PBBs)	Not Detected*
Polybrominated diphenyl ethers (PBDEs) including Pentabromodiphenyl ether (CAS No. 32534-81-9) and Octabromodiphenyl ether (CAS No. 32536-52-0)	Not Detected*
Polychlorinated Biphenyls (PCBs)	Not Detected*
Polychlorinated Naphthalenes	Not Detected*

*The method detection limit was 10 ppm.

Table 3: The Extractable Organic Tin Analysis results for Sample "N4000-11"

Test	Results
Extractable Organic Tin, as Tin Content (including Tributyl Tin and Triphenyl Tin)	< 5 ppm, w/w

Table 4: The Asbestos Analysis results for Sample "N4000-11"

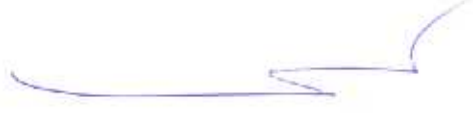
Test	Results
Asbestos Analysis	No Asbestos fibre of the Amphibole group was detected

Result (Cont'd)**Table 5: The Analytical results for Organic Amines released from Azo Compounds**

Chemical Names	CAS Number	Results
o-Anisidine	090-04-0	Not Detected*
2-Naphthylamine	091-59-8	Not Detected*
3,3-Dichlorobenzidine	091-94-1	Not Detected*
4-Aminodiphenyl	092-67-1	Not Detected*
Benzidine	092-87-5	Not Detected*
o-Toluidine	095-83-4	Not Detected*
4-Chloro-2-methylaniline	095-69-2	Not Detected*
2,4-Toluenediamine	095-80-7	Not Detected*
o-Aminoazotoluene	097-56-3	Not Detected*
5-Nitro-o-toluidine	099-55-8	Not Detected*
3,3'-Dichloro-4,4'-diaminodiphenylmethane	101-14-4	Not Detected*
4,4'-methylenedianiline	101-77-9	Not Detected*
4,4'-diaminodiphenylether	101-80-4	Not Detected*
p-Chloroaniline	106-47-8	Not Detected*
o-Dianisidine and its salts	119-90-4	Not Detected*
3,3'-Dimethylbenzidine	119-93-7	Not Detected*
2-Methoxy-5-methylaniline	120-71-8	Not Detected*
2,4,5-Trimethylaniline	137-17-7	Not Detected*
4,4'-Diaminodiphenylsulfide	139-65-1	Not Detected*
2,4-Diaminoanisole	615-05-4	Not Detected*
4,4'-Diamino-0,3,3'-dimethyldiphenylmethane	838-88-0	Not Detected*

*The method detection limit was 10 ppm.


 LAM MEI LENG KAREN (MS)
 TECHNICAL EXECUTIVE


 DR LIN JIANHUA
 ASSISTANT VICE PRESIDENT
 MICROCONTAMINATION DIAGNOSIS
 TESTING GROUP

Method of Test (Cont'd)

5. **Detection of Volatile Brominated Organic Compounds**
By Headspace-Gas Chromatography with Mass Selective Detector (HS-GC-MSD).

Results

Table 1: The Elemental Analysis results for Sample "N4000-11"

Test	Results
Lead Content (Pb)	< 5 ppm, w/w
Mercury Content (Hg)	< 5 ppm, w/w
Chromium, Hexavalent Content (Cr ⁶⁺)	< 5 ppm, w/w


Table 2: The FTIR Analysis results for Sample "N4000-11"


Test	Results
PolyVinyl Chloride (PVC)	Not Detected

Table 3: The Analytical Results for Volatile Brominated Organic Compounds

Test	Results
Volatile Brominated Organic Compounds	Not Detected*

* The method detection limit was 10 ppm.


LAM MEI LENG KAREN (MS)
TECHNICAL EXECUTIVE


DR LIN JIANHUA
ASSISTANT VICE PRESIDENT
MICROCONTAMINATION DIAGNOSIS
TESTING GROUP

TEST REPORT



Your Ref: Date: 2003-03-24

Our Ref: 57S031015-Part 4c Page: Page 1 of 1

DID: 68851304 Fax: 67784301

NOTE: This Report is issued subject to the "Terms and Conditions Governing Technical Services" set out in the "Request for Technical Services" form. The terms and conditions governing the issue of this report are set out overleaf.

Subject

Chemical Analysis for Sample "N4000-11"

Client

Nelco Products Pte Ltd
4 Gul Crescent,
Jurong
Singapore 629520

Attn: Mr Ranjith Menon

Sample Description

One sample labelled as "N4000-11" was received on 13th March 2003.

Date of Analysis

17th March 2003 – 21st March 2003

Method of Test

1. Determination of Released Formaldehyde Content


The sample was analysed according to BS EN 12149:1997 Method.

Results

Table 1: The Formaldehyde Released Content results for Sample "N4000-11"

Test	Results
Formaldehyde Released Content	< 0.1 ppm, w/w


LAM MEI LENG KAREN (MS)
TECHNICAL EXECUTIVE


DR LIN JIANHUA
ASSISTANT VICE PRESIDENT
MICROCONTAMINATION DIAGNOSIS
TESTING GROUP



Your product quality and safety mark
KLM/2003/Mar01

TEST REPORT



Your Ref: _____ Date: 2003-03-24

Our Ref: **57S031015-Part 4d** Page: Page 1 of 2

DID: 68851304 Fax: 67784301

NOTE: This Report is issued subject to the "Terms and Conditions Governing Technical Services" set out in the "Request for Technical Services" form. The Terms and conditions governing the issue of this report are set out overleaf.

Subject

Chemical Analysis for Sample "N4000-11"

Client

Nelco Products Pte Ltd
4 Gul Crescent,
Jurong
Singapore 629520

Attn: Mr Ranjith Menon

Sample Description

One sample labelled as "N4000-11" was received on 13th March 2003.

Date of Analysis

17th March 2003 – 21st March 2003

Method of Test

1. Detection of Ozone Depleting Substances and Chlorine Organic Solvents

The sample was analysed by Headspace-Gas Chromatography with Mass Selective Detector (HS-GC-MSD).




Your product quality and safety mark
KLM/2003/Mar01

Results**Table 1: The Ozone Depleting Substances Analysis results for Sample "N4000-11"**

Chemical Names	CAS Number	Results
Chlorofluorocarbons	-	Not Detected
Hydrochlorofluorocarbons	-	Not Detected
Methyl bromide	074-83-9	Not Detected
1,1,1-Trichloroethane	071-55-6	Not Detected
Carbon tetrachloride	056-23-5	Not Detected

Table 2: The Chlorine Organic Solvent Analysis results for Sample "N4000-11"

Chemical Names	CAS Number	Results
1,1,2-Trichloroethane	079-00-5	Not Detected
1,2-Dichloroethane	107-06-2	Not Detected
1,1-Dichloroethylene	075-35-4	Not Detected
1,2-Dichloroethylene	156-59-2	Not Detected
Methylene chloride	075-09-2	Not Detected
Chloroform	067-66-3	Not Detected
Tetrachloroethylene	127-18-4	Not Detected
Trichloroethylene	201-167-4	Not Detected


 LAM MEI LENG KAREN (MS)
 TECHNICAL EXECUTIVE


 DR LIN JIANHUA
 ASSISTANT VICE PRESIDENT
 MICROCONTAMINATION DIAGNOSIS
 TESTING GROUP