Your Ref:

Date:

2003-03-24

Our Ref:

57S031015-Part 2a

Page:

Page 1 of 3

Corporation

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 "N4000-6"

Client

Nelco Products Pte Ltd 4 Gul Crescent, Jurong Singapore 629520

Attn: Mr Ranjith Menon

Sample Description

One sample labelled as "N4000-6" was received on 13th March 2003.

Date of Analysis

17th March 2003 - 21th March 2003

Method of Test

1. Elemental Analysis for Cadmium (Cd)

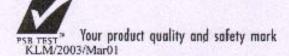
The sample was analysed according to BS EN 1122:2001, Method B.

 Detection of Polybromobiphenyl (PBBs), Polybromodiphenyl Ether (PBDEs), Polychlorinated Biphenyls (PCBs), Polychlorinated Naphthalenes Analysis

The sample was extracted with organic solvent followed by analysis using Gas Chromatograph with Mass Selective Detector (GC-MSD).

3. Determination of Extractable Organic Tin Compounds

The sample was extracted with organic solvent. The organic extract was then analysed by Gas Chromatograph with Mass Selective Detector (GC-MS) and Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES).



57S031015-Part 2a Page 2 of 3

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 "N4000-6"

The state of the s	to for outliple filedo o
Test	Results
Cadmium Content (Cd)	< 5 ppm, w/w

Table 2: The GC-MS Analysis results for Sample "N4000-6"

Test	Results
Polybromo Biphenyls (PBBs)	Not Detected*
Polybromo Diphenyl Ethers (PBDEs)	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 "N4000-6"

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 "N4000-6"

THINIT TI THE MODULE	os Analysis results for dample 114000-0
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'-Diamino0-3,3'- dimethyldiphenylmethane	838-88-0	Not Detected*

^{&#}x27;The method detection limit was 10 ppm.

LAM MEI LENG KAREN (MS) TECHNICAL EXECUTIVE

DR LIN JIANHUA
ASSISTANT VICE PRESIDENT
MICROCONTAMINATION DIAGNOSIS
TESTING GROUP

Your Ref.

Date:

2003-03-24

Our Rof:

57S031015-Part 2b

Page:

Page 1 of 2

Corporation

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 averleaf.

Subject

Chemical Analysis for Sample "N4000-6"

Client

Nelco Products Pte Ltd 4 Gul Crescent, Jurong Singapore 629520

Attn: Mr Ranjith Menon

Sample Description

One sample labelled as "N4000-6" was received on 13th March 2003.

Date of Analysis

17th March 2003 - 21st March 2003

Method of Test

Elemental Analysis for Lead (Pb)

The sample was digested by inorganic acid followed by analysis using Inductively Coupled Plasma Atomic Emission Spectroscopy.

2. Elemental Analysis for Mercury (Hg)

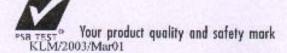
The sample was digested by inorganic acid followed by analysis using Atomic Absorption Spectroscopy – Cold Vapour.

Chromium, Hexavalent Analysis (Cr⁶⁺)

The sample was digested by inorganic acid followed by analysis using Inductively Coupled Plasma Atomic Emission Spectroscopy.

4. Detection of PolyVinyl Chloride (PVC)

The sample was analysed by Fourier Transform Infrared Spectrophotometer coupled with Microscope.



57S031015-Part 2b

Page 2 of 2

Method of Test (Cont'd)

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 "N4000-6"

Test	Results
Lead Content (Pb)	< 5 ppm, w/w
Mercury Content (Hg)	< 5 ppm, w/w
Chromium, Hexavalent Content (Cr5+)	< 5 ppm, w/w

Table 2: The FTIR Analysis results for Sample "N4000-6"

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 MÉT LENG KAREN (MS) TECHNICAL EXECUTIVE

DR LIN JIANHUA

ASSISTANT VICE PRESIDENT

MICROCONTAMINATION DIAGNOSIS

TESTING GROUP

Your Ref:

Dates

2003-03-24

Our Ref:

57S031015-Part 2c

Page:

Page 1 of 1

Corporation

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 "N4000-6"

Client

Nelco Products Pte Ltd 4 Gul Crescent, Jurong Singapore 629520

Attn: Mr Ranjith Menon

Sample Description

One sample labelled as "N4000-6" was received on 13th March 2003.

Date of Analysis

17th March 2003 - 21th March 2003

Method of Test

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 "N4000-6"

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

LAM MET LENG KAREN (MS) TECHNICAL EXECUTIVE

DR LIN JIANHUA

ASSISTANT VICE PRESIDENT

MICROCONTAMINATION DIAGNOSIS

TESTING GROUP

PSB TEST* Your product quality and safety mark
KLM/2003/Mar01

Your Rof:

Date:

2003-03-24

Our Ref:

57S031015-Part 2d

Page:

Page 1 of 2

Corporation

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 "N4000-6"

Client

Nelco Products Pte Ltd 4 Gul Crescent, Jurong Singapore 629520

Attn: Mr Ranjith Menon

Sample Description

One sample labelled as "N4000-6" was received on 13" March 2003.

Date of Analysis

17th March 2003 - 21st March 2003

Method of Test

Detection of Ozone Depleting Substances and Chlorine Organic Solvents
 The sample was analyed by Headspace-Gas Chromatography with Mass Selective Detector (HS-GC-MSD).



PSD_TEST* Your product quality and safety mark

Results

Table 1: The Ozone Depleting Substances Analysis results for Sample "N4000-6"

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 "N4000-6"

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