

Nordic Ecolabelling of  
**Tissue Paper**



Version 5.2 • 11 October 2011 – 31 December 2016



Nordic Ecolabelling

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Tissue paper 005, version 5.2, 15 May 2013

This document is a translation of an original in Swedish. In case of dispute, the original document should be taken as authoritative.

## Addresses

In 1989, the Nordic Council of Ministers decided to introduce a voluntary official ecolabel, the Swan. These organisations/companies operate the Nordic ecolabelling system on behalf of their own country's government. For more information, see the websites.

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## **What is Nordic Ecolabelled Tissue paper?**

The Nordic Ecolabel is an official eco-label with absolute requirements. Nordic Ecolabelled tissue paper has less impact on the environment than most other papers in its product group and the Nordic Ecolabel signifies that the product fulfils strict environmental requirements.

This means that the paper has minimum environmental impact with regard to production, use and waste. Nordic Ecolabelled tissue paper is made of fibres from sustainable forestry and/or recovered fibre and has been produced with low levels of emissions to air and water. Energy consumption during production is low and limits are placed on the use of chemicals hazardous to health and the environment, both during production and in the paper product itself.

Nordic Ecolabelling's environmental requirements provide individual manufacturers guidance on how they can contribute to the development of an ecologically sustainable society.

The Nordic Ecolabel on a paper product confirms that resources have been used efficiently and that environmentally suitable production methods have been employed. The raw materials used in the product have been evaluated by Nordic Ecolabelling and only raw materials of the highest quality in environmental terms may be used in Nordic Ecolabelled products.

## **Why choose the Nordic Ecolabel?**

- The licensee may use the Nordic Ecolabel trademark for marketing. The Nordic Ecolabel is a very well-known and well-reputed trademark in the Nordic region.
- The Nordic Ecolabel is a cost-effective and simple way of communicating environmental concerns and commitment to customers and suppliers.
- Environmental issues are complex. It can take a long time and extensive resources to gain an understanding of a specific area. The Nordic Ecolabel can be seen as an aid in this task.
- The Nordic Ecolabel not only covers environmental issues but also quality requirements, since the environment and quality often go hand in hand.

## **What can carry the Nordic Ecolabel?**

Cellulose-based tissue paper made from virgin and/or recovered fibres may be licensed to carry the Nordic Ecolabel. This means that, for example, toilet paper, kitchen towels, paper towels and paper handkerchiefs may bear the Nordic Ecolabel.

Tissue paper products that contain additives of perfume, cosmetics or body care preparations (e.g. lotion) that are subject to EU Directive 76/768/EEC on cosmetics, with revisions and amendments, may apply for a Nordic Ecolabel for cosmetic products, version 2.1 or later.

Tissue paper products containing cleaning agents designed for the cleaning of surfaces (e.g. floor cleaning agents) are not eligible for the Nordic Ecolabel in accordance with these criteria.

Wet wipes may be labelled in accordance with the criteria for cosmetic products, which specify that the paper material must fulfil the Nordic Ecolabel or EU Ecolabel requirements on tissue paper. Products that contain viscose or that are laminated with non-cellulose based material are not in accordance with Nordic Ecolabelling's tissue paper criteria. Several of these products are covered by the Nordic Ecolabel criteria for hygiene products.

Contact Nordic Ecolabelling for further information on the ecolabelling of such products.

## How to apply

Nordic Ecolabelling requirements for paper products are subdivided into a basic module, a chemical module and supplementary modules for various product areas. The basic module sets out requirements for paper and pulp manufacturing, while the chemical module contains requirements in respect of chemicals. The various supplementary modules contain specific requirements for various product groups, and this is, therefore, the supplementary module for Tissue paper.

Each requirement is marked with the letter R (requirement) and a number. All the requirements in this document and the relevant requirements in the basic and chemical modules must be met before a licence may be granted.

### Icons in the text

A description is provided of the procedure for demonstrating the fulfilment of each requirement. There are also icons in the text to make this clearer. These icons are:

☒ Enclose

📍 Requirement checked on site

### Application

Applications shall be sent to Nordic Ecolabelling in the country in which the product is to be sold, see the address list on page 2. Applications consist of an application form and documentation of compliance (as specified in the requirements).

Further information and assistance may be available. Visit the website of the relevant national ecolabelling body for more information.

**On-site inspection**

During the application process, Nordic Ecolabelling performs on-site inspections to ensure adherence to the requirements. For the purposes of this inspection, data used for calculations, original copies of submitted certificates, test records, purchase statistics, and similar documents that support the application must be available for examination.

**Costs**

An application fee is charged to companies applying for a licence. There is an additional annual fee based on the revenues produced by the paper carrying the Nordic Ecolabel.

**Enquiries**

Please contact Nordic Ecolabelling if you have any queries or require further information. See page 2 for addresses.

# 1 Environmental requirements

## 1.1 Description of the tissue paper

Are the requirements met?

### R1 Description of the product

Yes  No

Describe the product and how it meets the definition of what may be Nordic Ecolabelled, see above under the heading "What may carry the Nordic Ecolabel?".

Describe the manufacturing process for the product, including rendering.

Compile a list of constituent materials, e.g. production chemicals, pulps and packaging materials used. In the case of production chemicals and pulps, the trade name and the name of the supplier must be submitted. For pulps, the designation of the mill must also be submitted. Indicate the trade name of the finished product, as well as its type designation, grammage (g/m<sup>2</sup>), weight per unit volume (kg/m<sup>3</sup>) and moisture content.

- Description and list as above. Samples are to be supplied upon request from Nordic Ecolabelling.

Appendix no. \_\_\_\_\_

## 1.2 Basic requirements for pulp and paper manufacture

Are the requirements met?

### R2 Pulp

Yes  No

All paper pulps used in the manufacture of Nordic Ecolabelled tissue paper must meet the requirements stipulated in the basic module and the chemical module unless otherwise indicated in the requirements below.

Has the pulp been assessed by Nordic Ecolabelling previously?

- If you answered **yes** to the question above, documentation must be enclosed concerning when the pulp was assessed and by which secretariat.

Appendix no. \_\_\_\_\_

- If you answered **no** to the question above, documentation must be enclosed documenting compliance with the requirements of the basic and chemical modules.

Appendix no. \_\_\_\_\_

### R3 Tissue paper products

Yes  No

Manufacturing of the end product must meet the requirements of the basic module and the chemical module, version 2 or later, where relevant, unless otherwise indicated in the requirements below. This also applies to converters.

- Documentation demonstrating compliance with relevant requirements in the basic and chemical modules, version 2.

Appendix no. \_\_\_\_\_

### 1.3 Energy and CO<sub>2</sub>

Are the requirements met?  Yes  No

The energy score is calculated with the aid of a technical description of the production processes, where the energy consumption is compared to reference values for production. A more detailed description of documentation requirements and calculation methods is provided in version 2 of the basic module, in which  $P_{\text{electricity}}$  and  $P_{\text{fuel}}$  are also defined.  $P_{\text{electricity(total)}}$  and  $P_{\text{fuel(total)}}$  include the energy scores from production of both paper and the constituent pulps.

The energy calculation encompasses the entire production process – both paper manufacturing and the constituent pulp. Energy calculations do not include energy consumed in transporting raw materials or in converting and packaging.

#### R4 Energy

Yes  No

The total electricity and fuel points scores for Nordic Ecolabelled tissue paper must be less than 1.15. The points score limit in the basic module is set at 1.25.

$$P_{\text{electricity(total)}} < 1.15$$

$$P_{\text{fuel(total)}} < 1.15$$

The reference values for the tissue paper machine's consumption of fuel are set at 1800 kWh/tonne, and for electricity at 1030 kWh/tonne. The same reference values shall be used for tissue paper products that are manufactured using non-woven or TAD technology.

For pulp derived from recycled fibre/DIP, use the reference values in Table 1.

**Table 1 Energy for pulp manufacturing**

Process	Fuel kWh/t Reference value	Electricity kWh/t Reference value
Recycled fibre/DIP	500	500
Dried recycled fibre/DIP	1500	700

- Calculations, performed according to Appendix 2 of the basic module (version 2), demonstrating compliance with points score limits. Nordic Ecolabelling also provides a worksheet that is to be used for these calculations.

Appendix no. \_\_\_\_\_

#### R5 Emissions of CO<sub>2</sub>

Yes  No

Emissions of CO<sub>2</sub> from purchased electricity and from burning of fossil fuels for both heating and internal electricity generation must not exceed 1100 kg CO<sub>2</sub>/tonne paper. CO<sub>2</sub> calculations include emissions from production of both paper and constituent pulps.

- Calculations, performed according to Appendix 2 of the basic module (version 2), demonstrating compliance with points score limits. Nordic Ecolabelling also provides a worksheet that is to be used for these calculations.

Appendix no. \_\_\_\_\_

## 1.4 Emissions to water and air

Are the requirements met?

### R6 Total emissions points score – Permissions total

Yes  No

The total emissions,  $P_{\text{emissions total}}$ , shall be calculated for the tissue paper product.

This total must not exceed 4.0.

$$P_{\text{emissions total}} = P_{\text{COD}} + P_{\text{P}} + P_{\text{S}} + P_{\text{NOx}} \leq 4.0$$

No individual emissions score ( $P_{\text{COD}} + P_{\text{P}} + P_{\text{S}} + P_{\text{NOx}}$ ) may exceed 1.5.

The calculation of the product's total emissions for pulp and paper production (Permission total) uses the product-specific reference values given in Table 2. To calculate the individual emission scores ( $P_{\text{COD}} + P_{\text{P}} + P_{\text{S}} + P_{\text{NOx}}$ ) and for reference values for difference pulp types, please refer to the basic module, version 2 (Appendix 3, Table 3.1). Requirements regarding the emission of AOX can be found in the basic module (R13).

**Table 2**

Type of paper	Reference values for emissions (kg/tonne paper)			
	$\text{COD}_{\text{ref}}$	$P_{\text{ref}}$	$S_{\text{ref}}$	$\text{NO}_{\text{xref}}$
Tissue paper	1.5	0.01	0.2	0.5

- ☒ Paper manufacturers shall supply calculations and underlying data demonstrating compliance with the requirement. Nordic Ecolabelling also provides a worksheet that is to be used for these calculations.

Appendix no. \_\_\_\_\_



## Product safety and quality

### Chemicals

All chemicals involved in the production of tissue paper must comply with the requirements set out in the chemical module, version 2.1 or later, and the requirements specified in the supplementary module for tissue paper.

Requirements in respect of production chemicals not presented below, e.g. dyes and adhesives, are set out in the chemical module. See Table 3 for an overview of the chemical requirements stipulated in the chemical module and the supplementary module for tissue paper.

**Table 3 Overview of chemical requirements, indicating in which module the requirement is stipulated.**

Chemicals	Chemical module	Supplementary module for tissue paper
All production chemicals	R1, R2	
Cleaning agents and dispersants	R3	
De-inking chemicals	R4	
Biocides/slimicides	R5	
Coatings/retention agents and other polymer containing chemicals	R6	
Softeners		R7
Wet strength agents		R8
Foam inhibitors and defoamers	R8	
Dyes	R9, R10, R11, R12	
Adhesives	R13	
Starch products	R14	
Yankee chemicals		R8
Additives (perfumes, lotions, conditioners, cleaning agents)		R9
Paper in contact with food		R10
Content and harmful substances and bleeding		R11

#### **R7 Softeners**

Softeners that contain quaternary Imidazoline (CAS no. 72749-55-4) are exempt from classification as N with R50, R50/53 or R51/53 / Aquatic acute 1 H400, Aquatic chronic 1 H410, Aquatic chronic 2 H411 in requirement R2 in the chemical module (version 2.1.).

Yes  No

The producer or supplier shall demonstrate compliance with the requirement by duly completing and signing the declaration in Appendix 1.

Appendix no. \_\_\_\_\_

- R8 Chloro-organic substances in wet strength agents and in other auxiliary chemicals** Yes  No
- Wet strength agents may contain a total of no more than 7000 ppm (0.7%) low-molecular chloro-organic compounds epichlorohydrin (ECH), dichloroisopropanol (DCP) and chloropropanediol (CPD) – calculated on the basis of the dry matter content.
- Other auxiliary chemicals used on Yankee cylinders in tissue paper production must not contain a total of epichlorohydrin (ECH), dichloroisopropanol (DCP) or chloropropanediol (CPD) in excess of 500 ppm (0.05%).
- The producer or supplier shall demonstrate compliance with the requirement by duly completing and signing the declaration in Appendix 2. Appendix no. \_\_\_\_\_

- R9 Additives in the finished product** Yes  No
- Perfumes**  
Perfumes and other fragrances (for example essential oils or plant extracts) are not permitted in the paper product.
- Cosmetic and body care additives (e.g. lotion)**  
Cosmetic or body care preparations and fragrant substances are not permitted in the paper product.
- Cleaning agents**  
Cleaning agents designed for surface cleaning (e.g. floor cleaning) are not permitted in the paper product.
- The paper manufacturer shall demonstrate compliance with the requirement by duly completing and signing the declaration in Appendix 3. Appendix no. \_\_\_\_\_

- R10 Paper in contact with food** Yes  No
- Paper marketed for use in contact with food must comply with EU Regulation no. 1935/2004/EC on materials and articles intended to come into contact with food as well as Council of Europe “Guidelines for tissue paper kitchen towels and napkins”, version 1 (22.09.2004) or later.
- Paper for use involving contact with food is to be labelled as such according to article 15 of EU regulation no. 1935/2004/EC.
- Confirmation from independent third-party that the regulation and guidelines are followed. Appendix no. \_\_\_\_\_
- Sample of information printed on the product’s exterior packaging. Appendix no. \_\_\_\_\_

- R11 Content of harmful substances and bleeding** Yes  No
- Maximum permitted content for tissue paper products manufactured from recovered fibre or mixes of recovered and virgin fibre:

Parameter	Limit	Test method
Formaldehyde	1 mg/dm <sup>2</sup>	EN 1541 – aqueous extract
Glyoxal	1.5 mg/dm <sup>2</sup>	DIN 54603
PCB	0.05 mg/kg	EN ISO 15318
PCP	0.15 mg/kg	EN ISO 15320

The following requirements apply to tissue paper products manufactured from virgin fibre, recovered fibre or mixes of recovered and virgin fibre:

Parameter	Test methods and levels
Slimicides and ant-microbials	No growth inhibiting effects arising from micro-organisms according to test method EN 1104.
Optical brighteners	No bleeding according to test method EN 648, latest version, level 4-5
Dyes and printer's ink	No bleeding according to test method EN 646, latest version, level 4-5

- Test results from an independent third party. Testing shall comply with the method described in the requirement.

Appendix no. \_\_\_\_\_

## Product function

### R12 Absorption properties of kitchen towel and paper towels (both sheet and roll)

Yes  No

Kitchen towel and paper towels must have an absorption capacity of at least 5g water/g paper, measured over 30 seconds according to test method ENV 12625-8. The test is to be performed on the converted product.

- Test result according to test method ENV 12625-8.

Appendix no. \_\_\_\_\_

### R13 Strength/perforation of kitchen towel

Yes  No

The ratio between the strength of the paper longitudinally and over the perforation must be at least 2 according to EN 12625 4:1999. The test must be conducted on the converted product. The requirement does not apply to kitchen towels without perforation.

- Test results according to EN 12625-4:1999.

Appendix no. \_\_\_\_\_

### R14 Toilet paper

Yes  No

Toilet paper may not possess wet strength. The toilet paper is considered to be strong when wet if its relative wet tensile strength is greater than 10% in the machine direction. The test must be conducted on the converted product.

Relative wet tensile strength is measured as the quotient between wet and dry tensile strength. If the tensile strength of the wet tissue paper is so low that it cannot be measured the paper is not considered to have wet strength.

- Test results. Measurement of tensile strength is to be carried out according to a standardised and reproducible method.

Appendix no. \_\_\_\_\_

- Description of method for ensuring that the toilet paper does not have wet strength in those cases in which production lines switch between the manufacture of paper with and without wet strength.

Appendix no. \_\_\_\_\_

## 1.5 Packaging

Are the requirements met?

### R15 Packaging material

Yes  No

Packaging (article, group or transport packaging) for the Nordic Ecolabelled product must not be made from chlorine-based plastics.

Packaging made from a combination of materials must be suitable for recycling.

Description of material composition of the packaging.

Appendix no. \_\_\_\_\_

### R16 Design of the packaging

Yes  No

Packaging of the product must be optimised from a transport perspective.

Description of how the requirement is fulfilled.

Appendix no. \_\_\_\_\_

## 2 Quality and regulatory requirements

Are the requirements met?

To ensure that Nordic Ecolabelling requirements are fulfilled, the following procedures must be implemented.

### R17 Laws and regulations

Yes  No

The licence-holder must guarantee adherence to safety regulations, health and safety at work legislation, environmental legislation and conditions/ concessions specific to the operations at all sites involved in production of the Nordic Ecolabelled product.

**No documentation is required, but Nordic Ecolabelling may revoke the licence if the requirement is not fulfilled.**

### R18 Ecolabelling administrators

Yes  No

The company shall appoint an individual responsible for ensuring the fulfilment of Nordic Ecolabel requirements, and a contact person for communications with Nordic Ecolabelling.

A chart of the company's organisational structure detailing who is responsible for the above.

Appendix no. \_\_\_\_\_

### R19 Documentation

Yes  No

The licensee must be able to present a copy of the application and factual and calculation data supporting the documents submitted on application (including test reports, documents from suppliers and suchlike).

On-site inspection.

### R20 Product quality

Yes  No

The licensee must guarantee the quality during production of Nordic Ecolabelled tissue paper for the validity period of the licence.

Procedures for collating and, where necessary, dealing with claims and complaints regarding the quality of the Nordic Ecolabelled product.

Appendix no. \_\_\_\_\_

- R21 Planned changes** Yes  No   
 Planned changes that have a bearing on fulfilment of Nordic Ecolabel requirements must be approved, in writing, by Nordic Ecolabelling.
- Details of procedures for dealing with planned changes. Appendix no. \_\_\_\_\_
- R22 Unplanned nonconformities** Yes  No   
 Unplanned nonconformities that have a bearing on fulfilment of the ecolabelling requirements must be reported to Nordic Ecolabelling in writing and recorded in an official journal.
- Procedures detailing how unplanned nonconformities are handled. Appendix no. \_\_\_\_\_
- R23 Traceability** Yes  No   
 The licensee must have a traceability system for the production of the Nordic Ecolabelled product.
- Description of/procedures for fulfilment of the requirement. Appendix no. \_\_\_\_\_
- R24 Take-back system** Yes  No   
 Pertinent national producer responsibility regulations, legislation and/or agreements within the sector regarding the recycling systems for products and packaging shall be met in the Nordic countries in which the Nordic Ecolabelled product is marketed.
- Declaration from the applicant regarding adherence to existing recycling/ take-back agreements. Appendix no. \_\_\_\_\_
- R25 Annual reporting** Yes  No   
 An annual report on compliance with environmental requirements must be submitted each year, based on the relevant checklist from Nordic Ecolabelling (Appendix 3 in this document or in the basic module). The checklist must be signed by the designated person responsible for the Nordic Ecolabelling licence and submitted to Nordic Ecolabelling. Please note that this applies to both paper and pulp.
- Appendix 4 duly completed. Appendix no. \_\_\_\_\_
- R26 Marketing** Yes  No   
 Marketing of Nordic Ecolabelled products shall comply with "Regulations for the Nordic Ecolabelling of Products" of 22 June 2011 or later version.
- Appendix 5 duly completed. Appendix no. \_\_\_\_\_

### 3 Analysis

#### Analysis laboratories and test institutions

The analysis laboratory/test institution used must be impartial and competent. The cost of documentation and analysis must be borne by the applicant.

The analysis laboratory used must fulfil the general requirements of standard EN ISO /IEC 17025 or have official GLP status.

The manufacturer's laboratory may be approved for performance of analysis and tests if the authorities monitor the sampling and analysis process, or if the manufacturer has a quality system in place encompassing sampling and analysis and the laboratory is certified according to the ISO 9000 series. Testing and analysis of function may be performed by the producer in an uncertified laboratory, subject to assessment by Nordic Ecolabelling.

Sampling and analysis must be performed in a competent manner. The methods of analysis described in Table 4 below have been approved by Nordic Ecolabelling. As an alternative, methods of analysis considered to be equivalent by an independent and competent body will be accepted. The basic module specifies approved analysis methods in respect of pulp and paper manufacturing.

**Table 4 Methods of analysis approved by Nordic Ecolabelling**

Formaldehyde	EN 1541 – aqueous extract EPA 8315A
Glyoxal	DIN 54603
PCB PCP	EN ISO 153 18 EPA 8270 EN ISO 15320
Slimicides	EN 1104.
Bleeding of optical brighteners	EN 648.
Bleeding of dye and printer's ink	EN 646.
Absorption properties of tissue paper	EN 12625-8
Tensile strength of tissue paper	EN 12625-4

## Marketing

The Nordic Ecolabel is a very well-known and well-reputed trademark in the Nordic region. A Nordic Ecolabelled tissue paper may be marketed using the Nordic Ecolabel as long as the associated licence is valid.

The label must be positioned so that there is no doubt as to what the label refers, and so that it is clear that the tissue paper product is ecolabelled.

More information on marketing can be found in "Regulations for the Nordic Ecolabelling of Products" of 22 June 2011 or later version.

## Design of the Nordic Ecolabel

The Nordic Ecolabel has the following design:



License number

The Nordic Ecolabel may additionally be placed on dispensers that contain nothing but Nordic Ecolabelled tissue paper, as well as on packaging. The Nordic Ecolabel may also be printed or stamped on the tissue paper itself.

## Follow-up inspections

Nordic Ecolabelling may decide to inspect the product's compliance with Nordic Ecolabelling requirements during the licence period. This may involve site visits, random sampling or similar tests.

## How long is a licence valid?

Nordic Ecolabelling adopted version 5.0 of the criteria on the 11 October 2011. These criteria remain valid until the 31 December 2014.

On 8 February 2013 the Secretariat Manager's meeting decided to adjust requirement R7 Softeners. The new version is called 5.1.

On 15 May 2013 the Secretariat Manager's meeting decided to prolong the validity of the criteria document with two years. The new version is called 5.2 and it is valid until 31 December 2016.

An ecolabelling licence is valid as long as the criteria are fulfilled and until the criteria expire. The validity period of the criteria may be extended or adjusted, in which case the licence is automatically extended and the licensee informed.

Revised criteria shall be published at least one year prior to the expiry of the present criteria. The licensee is then offered the opportunity to renew the licence.

## **New criteria**

The following issues should be actively considered for the next revision:

- Limit values regarding energy, CO<sub>2</sub> and emissions to air and water.
- Wet strength agents.
- Requirements on quantities of certified fibres.
- Re-evaluation of requirements designed to promote the use of compact products, such as a requirement on weight by gram per roll or similar (e.g. weight by gram/ density per roll, size of core and pallet pattern).
- Evaluate the possibilities to increase the requirements on softeners.

## **Glossary**

AOX: Adsorbable Organic Halogens

COD: Chemical Oxygen Demand

CPD: Chloropropanediol

DICP: Dichloroisopropanol

DIP: De-inked pulp

ECH: Epichlorohydrin

NO<sub>x</sub>: Nitrogen oxides

P: Phosphorous

PCB: Polychlorinated biphenyls

PCP: Pentachlorophenols

S: Sulphur

TAD: Through Air Drying



## Appendix 1 Softeners

Product name:
Function:
Chemical producer/supplier:

Does the softener contain quaternary Imidazoline (CAS no. 72749-55-4)?

Yes  No

If yes, is the softener classified according to requirement R2 in the chemical module, version 2.1 (N with R50, R50/53 or R51/53 / Aquatic acute 1 H400, Aquatic chronic 1 H410, Aquatic chronic 2 H411 exempt)?

Yes  No

We hereby certify that Nordic Ecolabelling will be immediately notified of all changes made, prior to the next revision of the criteria for tissue paper, to the composition of the product.

Date	Company
Tel./fax	Signature

## Appendix 2 Chloro-organic compounds in wet strength agents and auxiliary chemicals

Product name:
Function:
Chemical producer/supplier:
Reference (e.g. name of the paper manufacturer):

### Low molecular organic chlorine compounds

#### Wet strength agents

Do wet strength agents contain any of the low molecular organic compounds epichlorohydrin (ECH), dichloroisopropanol (DCP) and chloropropanediol (CPD)?

Yes  No

If yes, state the unambiguous chemical name, CAS number, relevant risk phrases and concentration.

\_\_\_\_\_ percentage by weight based on dry matter content

\_\_\_\_\_ percentage by weight based on dry matter content

\_\_\_\_\_ percentage by weight based on dry matter content

Please note that wet strength agents may contain a total of no more than 0.7% by weight of low-molecular chloro-organic compounds calculated on the basis of the dry matter content of the wet strength agents that have been added to the tissue paper.

#### Auxiliary chemicals used on Yankee cylinders

Does the preparation of auxiliary chemicals used on the Yankee cylinder contain any of the low molecular organic compounds epichlorohydrin (ECH), dichloroisopropanol (DCP) and chloropropanediol (CPD)?

Yes  No

If yes, state the unambiguous chemical name and CAS number:

\_\_\_\_\_ percentage by weight based on dry matter content

\_\_\_\_\_ percentage by weight based on dry matter content

\_\_\_\_\_ percentage by weight based on dry matter content

Please note that these types of preparations may contain a total of no more than 0.05% by weight of low-molecular chloro-organic compounds calculated on the basis of the dry matter content of the preparation used on the Yankee cylinder.

We hereby certify that Nordic Ecolabelling will be immediately notified of all changes made, prior to the next revision of the criteria for tissue paper, to the composition of the product.

Date	Company
Tel./fax	Signature

### Appendix 3 Additives in the finished product

Does the paper product contain perfume or other fragrant substances (e.g. essential oils and plant extracts)?

Yes  No

Does the paper product contain cosmetics or body care preparations and fragrant or scented substances?

Yes  No

Does the paper product contain cleaning agents designed for surface cleaning (e.g. floor cleaning agents)?

Yes  No

Signature of pulp producer/ paper producer:

Date	Company
Tel./fax	Signature

## Appendix 4 Annual reporting to Nordic Ecolabelling

### Form for annual update on licensed pulp and paper.

Form for paper producer

Year: \_\_\_\_\_

Name of mill: \_\_\_\_\_

Name of paper: \_\_\_\_\_

Quantity produced \_\_\_\_\_ tonne paper

*Quantity produced is the amount of paper to which the annual emissions figure refers.*

Emissions from paper machine (if not integrated):

COD \_\_\_\_\_ kg/tonne paper

P \_\_\_\_\_ kg/tonne paper

S \_\_\_\_\_ kg/tonne paper

NO<sub>x</sub> \_\_\_\_\_ kg/tonne paper

CO<sub>2</sub> \_\_\_\_\_ kg/tonne paper

### Form for annual update on licensed pulp and paper .

Form for pulp producer:

Year: \_\_\_\_\_

Name of mill:	Unit
Name of pulp:	
Quantity produced*:	tonne pulp
% wood from certified forestry	%
COD	kg/tonne 90% pulp
P	kg/tonne 90% pulp
S	kg/tonne 90% pulp
NO <sub>x</sub>	kg/tonne 90% pulp
AOX	kg/tonne 90% pulp
Chlorate	kg/tonne 90% pulp
EDTA/DTPA	kg/tonne 90% pulp
CO <sub>2</sub>	kg/tonne 90% pulp

*\*Quantity produced is the amount of pulp to which the annual emissions figure refers.*

## Appendix 5 Marketing of Nordic Ecolabelled tissue paper

We hereby certify that we are well acquainted with the regulations governing the use of the Nordic Ecolabel, as detailed in "Regulations for the Nordic Ecolabelling of Products" of 22 June 2011 or later version. We agree to follow these regulations when marketing the Nordic Ecolabelled tissue paper.

Further, we confirm that we are familiar with the criteria document for the Nordic Ecolabelling of tissue paper.

We undertake to advise those individuals within the company involved in marketing the Nordic Ecolabelled tissue paper of the criteria for the Nordic Ecolabelling of tissue paper and "Regulations for the Nordic Ecolabelling of Products" of 22 June 2011 or later version.

Location and date	Company
Signature, contact person	
Name in block capitals	Phone
Signature of marketing director	
Name in block capitals	Phone

In case of a change in personnel, a new declaration must be submitted to Nordic Ecolabelling.