

Appendix 3 Declaration by the manufacturer of pulp and paper

To be used in conjunction with an application for a licence for the Nordic Swan Ecolabel of Panels and Mouldings for interior use.

Pulp and paper are used in several types of panels such as kraft- and décor paper used in HPL/compact laminate, outer layer in gypsum plaster boards and sound absorbing material in acoustic panels.

Product name (pulp):
Product name (paper):
Manufacturer (pulp and/or paper):

O8 Ecolabelled paper	Yes	No
Is the paper ecolabelled with Nordic Swan Ecolabel or EU Ecolabel?		
If yes, please state valid licence number:		
O9 Tree species - restrictions	Yes	No
Are any of the prohibited and restricted wood species (listed in the list of prohibited and restricted tree species) used in the pulp and paper?		
Eucalyptus and Acacia used for pulp and paper production is exempted from the list.		
The list of prohibited and restricted tree species is located on the website: Forestry requirements 2020 (nordic-swan-ecolabel.org)		
If yes, please state tree species/trade name/scientific name:		
O10 Traceability and certification of wood raw materials		
Please state the name (species name/scientific name) of the fibre raw materials used in the production of pulp/paper:		
	Yes	No
The pulp and paper manufacturer must be Chain of Custody certified according to FSC or PEFC. All fibres used in the pulp and paper shall be covered by valid Chain of Custody certificate issued by FSC or PEFC.		
Are the pulp and paper covered by valid Chain of Custody certificate issued by FSC or PEFC?		
Please present valid FSC/PEFC Chain of Custody certificate covering all fibre raw materials used in the pulp/paper (e.g., via link to website).		
Minimum 70% of the fibre raw material that is used in the paper shall originate from forestry certified under the FSC or PEFC schemes or be labelled FSC or PEFC recycled.		
The remaining proportion of fibre raw material must be covered by the FSC/PEFC control schemes (FSC controlled wood/PEFC controlled sources).		
Please enclose documentation that the paper is labelled with FSC/PEFC or e.g., third party-controlled balance sheet from CoC credit account system or a rolling average of the certification percentage on a product line showing that the quantity of certified fibre raw material in the paper is met.		
Comments:		

O11 Chemical used in the manufacture of pulp and paper		Yes	No																						
<p>Chemicals use in the manufacture of pulp and paper must meet the requirements contained in the Chemical Module for Nordic Ecolabelling of paper, Version 3 or later.</p> <p>The criteria is located on the website: https://www.nordic-swan-ecolabel.org/criteria/copy-and-printing-paper-044/</p> <p>Overview of chemical requirements for pulp and paper:</p> <table border="1"> <thead> <tr> <th>Chemicals</th> <th>Requirements, Chemical Module, generation 3</th> </tr> </thead> <tbody> <tr> <td>All production chemicals - Classification (O1) - Prohibited substances (O2)</td> <td>O1 and O2</td> </tr> <tr> <td>Cleaning agents and dispersants</td> <td>O3</td> </tr> <tr> <td>Deinking chemicals</td> <td>O4</td> </tr> <tr> <td>Biocidal products and slimicides</td> <td>O5</td> </tr> <tr> <td>Retention agents and flocculants</td> <td>O6</td> </tr> <tr> <td>Wet strength agents</td> <td>O7</td> </tr> <tr> <td>Foam inhibitors and defoamers</td> <td>O8</td> </tr> <tr> <td>Paper colourants - Metals (O9) - Amines and phthalates (O10)</td> <td>O9 and O10</td> </tr> <tr> <td>Adhesives</td> <td>O11</td> </tr> <tr> <td>Starch - GMO</td> <td>O12</td> </tr> </tbody> </table>		Chemicals	Requirements, Chemical Module, generation 3	All production chemicals - Classification (O1) - Prohibited substances (O2)	O1 and O2	Cleaning agents and dispersants	O3	Deinking chemicals	O4	Biocidal products and slimicides	O5	Retention agents and flocculants	O6	Wet strength agents	O7	Foam inhibitors and defoamers	O8	Paper colourants - Metals (O9) - Amines and phthalates (O10)	O9 and O10	Adhesives	O11	Starch - GMO	O12		
Chemicals	Requirements, Chemical Module, generation 3																								
All production chemicals - Classification (O1) - Prohibited substances (O2)	O1 and O2																								
Cleaning agents and dispersants	O3																								
Deinking chemicals	O4																								
Biocidal products and slimicides	O5																								
Retention agents and flocculants	O6																								
Wet strength agents	O7																								
Foam inhibitors and defoamers	O8																								
Paper colourants - Metals (O9) - Amines and phthalates (O10)	O9 and O10																								
Adhesives	O11																								
Starch - GMO	O12																								
<p>Does the pulp and paper comply with the chemical requirements?</p> <p>Comments:</p>																									
O12 COD emissions from the production of pulp and paper		Yes	No																						
<p>COD (Chemical Oxygen Demand) emissions to water must be less than the stated COD value in the table below.</p> <p>The COD is calculated by adding up COD emissions from both pulp and paper: COD mass (kg/ADt) + COD emissions paper machine (kg/ADt).</p> <p>For paper produced from mixtures of chemical, recycled fibre and mechanical pulps, a weighted limit value is calculated from the proportion of the various pulp types. In the weighted calculation, the percentage of COD emissions from the paper machine must be set to 1 kg/ADT.</p> <p>For example, for 60% unbleached chemical mass and 40% recycled pulp, the calculation is: $(14-1 \times 0.6) + (4-1 \times 0.4) = 7.8 + 1.2 = 9.0 \text{ kg/ADT}$</p> <table border="1"> <thead> <tr> <th>Pulp types</th> <th>Total COD emissions for both pulp and paper (kg/ADt)</th> </tr> </thead> <tbody> <tr> <td>Unbleached chemical pulp</td> <td>14.0</td> </tr> <tr> <td>CTMP pulp</td> <td>19.0</td> </tr> <tr> <td>TMP/groundwood pulp</td> <td>7.0</td> </tr> <tr> <td>Recycled fibre pulp</td> <td>4.0</td> </tr> </tbody> </table>		Pulp types	Total COD emissions for both pulp and paper (kg/ADt)	Unbleached chemical pulp	14.0	CTMP pulp	19.0	TMP/groundwood pulp	7.0	Recycled fibre pulp	4.0														
Pulp types	Total COD emissions for both pulp and paper (kg/ADt)																								
Unbleached chemical pulp	14.0																								
CTMP pulp	19.0																								
TMP/groundwood pulp	7.0																								
Recycled fibre pulp	4.0																								
<p>Does the pulp and paper comply with the COD requirement?</p> <p>Please enclose documentation/calculation showing that the total emissions of COD are below the relevant limit values indicated in the table above.</p> <p>Comments:</p>																									

Test method for COD emissions

COD content shall be tested in accordance with ISO 6060 (Water quality — Determination of the chemical oxygen demand) or equivalent. If another analysis method is used, the licensee must show that it is equivalent. An analysis of PCOD or BOD may also be used as verification if a correlation with COD can be demonstrated. The method for measuring TOC is ISO 8245 Guidelines for the determination of total organic carbon (TOC) and dissolved organic carbon (DOC).

Sample frequency:

Emissions to water are calculated as the annual average value and are based on at least one representative daily sample per week. Alternatively, a sampling frequency set by the authorities may also be approved.

Sampling: Water samples must be taken after the process wastewater has been treated in any internal water treatment plant. The flow at the time of sampling must be indicated. If the process wastewater is externally purified with other wastewater, the analysis result should be reduced by the documented efficiency of the COD in the external water treatment plant. The analyses must be carried out on unfiltered and unsedimented samples in accordance with standard ISO 6060.

We declare that the requirements have been met and that the information provided is correct. In the event of any change to the composition of the product, that impacts the product's fulfilment of the requirements, a new declaration of fulfilment of the requirements is to be submitted to Nordic Ecolabelling.

Signature of pulp/paper manufacturer

Place and date:	Company name/stamp:
Person responsible:	Signature of responsible person:
Phone:	E-mail: