

Appendix 31 Declaration form AI0028 - fibre production - Regenerated cellulose

To be used in conjunction with an application for a licence for the Nordic Swan Ecolabel of furniture and fitments.

This declaration shall be filled out and signed by the **producer/suppliers of regenerated cellulose** for use in in Furniture and fitments and textiles.

General information

Please state the name of the fibre and trade name:		
Please state the type of regenerated cellulose:		
Please state the name of manufacturer/supplier:		
	YES	NO
Is the fibre certified with the Nordic Swan Ecolabel or EU Ecolabel?	<input type="checkbox"/>	<input type="checkbox"/>
If yes, please state the licence number:		

For regenerated cellulose that makes up more than 10% by weight of the fabric/textile, the following requirements must be declared:

- Emissions to air and water.
- Raw materials – prohibited and restricted tree species.

For regenerated cellulose that makes up more than 50% by weight of the fabric/textile, the following requirement must be declared:

- Traceability and certified raw materials

Please state the wt. % of regenerated cellulose fibre in the fabric:
--

O111 - Regenerated cellulose

The following requirements apply to regenerated cellulose:

- Chlorine gas (Cl₂) must not be used to bleach cellulose pulp or cellulose fibre.
- Sulphur emissions (viscose and modal fibre) to the air must not exceed 120 g S/kg of filament fibre and 30 g/kg of staple fibre expressed as an annual average. Measurement of sulphur emissions must be in accordance with ISO 7934, ISO 7935 or equivalent standards.
- Zinc emissions (viscose) to water must not exceed 0.3 g Zn/kg of regenerated cellulose, expressed as an annual average.

Emission of zinc content to water is to be calculated as an annual average and based on at least one representative 24-hour sample per week unless the emission permit of the authorities prescribes some other method of calculation.

	YES	NO
Bleaching	<input type="checkbox"/>	<input type="checkbox"/>
Is chlorine gas (Cl ₂) used to bleach the cellulose pulp or cellulose fibre?		

Sulphur emission

Please state:

- Emission of sulphur compounds to the air (g S/kg) as an annual average:

Please attach:

- An analysis report showing emissions of sulphur.

Zinc emissions

Please state:

- Emission of zinc to water (g Zn/kg) as an annual average:

Please attach:

- An analysis report showing emissions of zinc.

O112 Regenerated cellulose - tree species with restricted use

Nordic Ecolabelling's list of restricted tree species* consist of virgin tree species listed on:

- CITES (Appendices I, II and III)
- IUCN red list, categorized as CR, EN and VU
- Rainforest Foundation Norway's tree list
- Siberian larch (originated in forests outside the EU)

* The list of restricted tree species is located on the website:

<http://www.nordic-ecolabel.org/certification/paper-pulp-printing/pulp--paper-producers/forestry-requirements-2020/>

Tree species listed on a) CITES (Appendices I, II and III) are not permitted to be used.

Exemptions:

Eucalyptus and acacia are exempted from the list of restricted tree species. Eucalyptus/acacia must be at least 50% certified and come from forests / plantations managed in accordance with sustainable forestry management principles that meet the requirements of FSC or PEFC. The remaining share must be from controlled sources (FSC controlled wood or PEFC controlled sources).

	YES	NO
Are any of the restricted tree species used in the laminate?	<input type="checkbox"/>	<input type="checkbox"/>
If yes, and tree species listed on either b), c) or d) are used please answer:		
Do the tree species originate from an area/region where it is IUCN red listed, categorized as CR, EN or VU?	<input type="checkbox"/>	<input type="checkbox"/>
Do the tree species originate from Intact Forest Landscape (IFL), defined in 2002 http://www.intactforests.org/world.map.html ?	<input type="checkbox"/>	<input type="checkbox"/>
Do the tree species originate from plantation established on areas converted from forest after 1994?	<input type="checkbox"/>	<input type="checkbox"/>

The tree species must originate from FSC or PEFC certified forest/plantation and must be covered by a valid FSC/PEFC chain of custody certificate documented/controlled as FSC or PEFC 100% through the FSC transfer method or PEFC physical separation method.

Please attach a valid FSC/PEFC Chain of Custody certificate (or state licence number) that covers the specific tree species and demonstrate that the tree is controlled as FSC or PEFC 100% through the FSC transfer method or PEFC physical separation method:

Exemption for Eucalyptus and acacia:

Please attach:

- valid traceability certificate from the pulp producer and documentation showing that the certification requirement of a minimum of 50% is fulfilled and that the remaining share comes from controlled sources.

O113 Traceability and certification of wood raw materials

The requirement applies if the regenerated cellulose fibre content in the textile is more than 50%.

Species name

The names of the species of trees used to produce the regenerated fibre or dissolving pulp must be stated.

Chain of Custody certification

The manufacturer of regenerated fibre or the manufacturer of the dissolving pulp must be Chain of Custody certified by the FSC scheme or the PEFC scheme.

Certified wood raw materials

Compliance with one of the following three alternatives is required, on an annual basis:

a) At least 50% of the raw materials that are used as cellulose fibre/in the dissolving pulp must be certified as sustainably forested under the FSC or PEFC schemes. The remaining percentage of wood raw materials must be covered by the FSC/PEFC compliance schemes (FSC Controlled Wood/PEFC Controlled Sources)

or

b) At least 70% of the regenerated fibre in the dissolving pulp must be recycled material*

c) a combination of certified raw material and recycled material, calculated using the following formula:

Requirement for the percentage of fibre raw material from certified forestry in the pulp (Y):

$$Y (\%) \geq 50 - 0.67 \times$$

x = Percentage of recycled fibre

*Recycled material defined as pre-consumer and post-consumer in accordance with ISO 14021. See detailed information in Definitions.

Please attach

- a valid FSC/PEFC Chain of Custody certificate (or state licence number) from the manufacturer of the regenerated fibre or regenerated dissolving pulp that covers the specific tree species and documentation that the requirement is met.

- Documentation showing that the requirement for certification or recycled share has been met.

Manufacturer of regenerated cellulose must specify supplier (s) of dissolving pulp. The pulp producer must document that the pulp on an annual basis contains a minimum of 50% certified by submitting accounts/overview that show the proportion of certified raw material in production, and that the rest is from controlled sources.

If the claim is documented by the manufacturer of regenerated cellulose, the supplier (s) of the dissolving pulp must be stated and documentation e.g. invoice or delivery note between pulp producer and producer of regenerated cellulose showing that the purchased pulp contains a minimum of 50% certified raw material. If pulp is purchased from several suppliers, documentation must be submitted on all purchases from the various pulp producers and an account from the producer of regenerated cellulose which shows that the total certified share in the production is at least 50% certified.

Producer/supplier's signature

Place and date:	Company name:
Responsible person:	Signature of responsible person:
Phone:	E-mail: