

**Audit protocol**

**EU Ecolabel**

**Bed Mattresses**

**COMMISSION DECISION of 23 June 2014**

(2014/391/EU)



**General explanations**

The audit protocol is designed as a practice-oriented guideline for the implementation of the audit. All requirements of the Directive are represented as audit steps jointly with the respective audit methods. By means of specification of audits, which are mentioned in the Directive and a standardisation of the audit procedure the inspection and the use of the label shall be simplified.

The compliance of the products applied for with the requirements of the EU Ecolabel Directive for bed mattresses (COMMISSION DECISION of 23 June 2014/391/EU) is to be examined and verified within the framework of an overall expert opinion by an independent and qualified control authority.

Already existing partial audits can be integrated in the overall expert opinion, if the methodologically predetermined audits are equivalent and permit sufficient relation to reality. They must be acknowledged by the control agency as evidence for the compliance with the criteria. Explanations, documents, analysis, control reports or other documents can also originate from the supplying enterprise.

If the Ecolabel is applied for for different products and/or several product groups a separate audit report must be issued respectively.

A sample from the product to be controlled has to be drawn according to acknowledged rules of statistics.

In order to optimize processing, all audit values shall be entered into the table and the individual pieces of evidence shall be enclosed according to the order of the numbers of the enclosures.

The audit protocol is designed as a form and can be filled in electronically.   
Please send a copy of the audit protocol with original signature by mail to the Consumer Information Association.

**General Information**

|  |  |
| --- | --- |
| **Applicant information** |  |
| Applicant’s full company name and address: | |
| Contact person: Position: |  |
| Phone: |  |
| Fax: |  |
| Email: |  |
| Website: |  |
| VAT number or equivalent if relevant: |  |
| If relevant, existing licence number: XX/YYY |  |
| In what capacity are you applying for  the EU Ecolabel (tick as appropriate): | Manufacturer….☐ |
| Importer….☐ |
| Service provider….☐ |
| Wholesaler….☐ |
| Retailer….☐ |

|  |  |
| --- | --- |
| **Information on the assessment** (please tick off)**:** |  |
| Is this the first audit protocol? All requirements must be checked and the whole audit protocol must be completed | Yes….☐ No….☐ |
| Is this a sequential audit protocol?  (to prolongate the licence) Are there any Product Changes? If there are any product changes since the last report (e.g. materials, additives, packaging, declaration…), it must be verified in the relevant points, that all the requirements of the Directive are still met. | Yes….☐ No….☐ |
| Yes….☐ No….☐ |

|  |  |
| --- | --- |
| **Testing institute information** | |
| Name and address: | |
| Assessor: Position: |  |
| Phone: |  |
| Fax: |  |
| Email: |  |
| Website: |  |
| Does the laboratory where the tests were conducted meet the general requirements expressed in standard EN ISO 17025 | Yes….☐ No….☐ |

|  |  |
| --- | --- |
| **Product Information** | |
| What product group are you applying for? |  |
| Please give general specifications of the product(s),including registered name(s), trade name(s), trademark(s), paint type/description |  |
| Name and address of manufacturing site(s) (if  different from above) |  |
| In case the product is made outside the European  Economic Area market (European Union plus Iceland, Lichtenstein and Norway), please confirm the country where it has been or will be placed on the market. |  |
| Please state EU countries in which this product is  sold in the same form (if sold under different names, please state names to be registered) |  |
| Product group Is the product in accordance with the product group ‘bed mattresses’ as defined in Article 1 of the Decision? | **Yes….☐ No….☐** |

# [Appendix](#Text1)

# EU ECOLABEL CRITERIA:

# Criterion 1. Latex foam

# *Note:* The following requirements need to be met only if latex foam contributes to more than 5 % of the total weight of the mattress.

## Point 1.1. Restricted substances

### Are the criterions respected? yes no

**Required documentation for Assessment and verification: Restricted substances**

A. For chlorophenols the applicant shall provide a report presenting the results of the following test procedure. 5 g of sample shall be milled and chlorophenols shall be extracted in the form of phenol (PCP), sodium salt (SPP) or esters (see note). The extracts shall be analysed by means of gas chromatography (GC). Detection shall be made with mass spectrometer or electron capture detector (ECD).

B. For heavy metals the applicant shall provide a report presenting the results of the following test procedure. Milled sample material is eluted in accordance with DIN 38414-S4 or equivalent in a ratio of 1:10. The resultant filtrate shall be passed through a 0.45 μm membrane filter (if necessary by pressure filtration). The solution obtained shall be examined for the content of heavy metals by inductively coupled plasma optical emission spectrometry (ICP-OES), also known as inductively coupled plasma atomic emission spectrometry (ICP- AES), or by atomic absorption spectrometry using a hydride or cold vapour process.

C. For pesticides the applicant shall provide a report presenting the results of the following test procedure: 2 g of sample is extracted in an ultrasonic bath with a hexane/dichloromethane mixture (85/15). The extract is cleaned up by acetonitrile agitation or by adsorption chromatography over florisil. Measurement and quantification are determined by gas chromatography with detection on an electron capture detector or by coupled gas chromatography/mass spectrometry. The testing on pesticides is requested for latex foams with a content of at least 20 % natural latex.

D. For butadiene the applicant shall provide a report presenting the results of the following test

procedure. Following milling and weighing of the latex foam, headspace sampling shall be performed. Butadiene content shall be determined by gas chromatography with detection by flame ionisation.

[Declaration re: latex foam (restricted substances) by latex foam manufacturer (criterion 1.1)](#declarationrelatex)

### Note: In assessment condition A, PCP refers to pentachlorophenols and SPP refers to sodium pyrophosphate

### Documents see enclosure number

## Point 1.2. Emission of specified volatile organic compounds (SVOCs, VOCs, VVOCs)

### Are the criterions respected? yes no

**Required documentation for Assessment and verification:**

The applicant shall provide a report presenting the results of the following test procedure. A test chamber analysis shall be performed in accordance with the standard ISO 16000-9. The wrapped

sample shall be stored at room temperature at least for 24 hours. After this period the sample shall be unwrapped and immediately transferred into the test chamber. The sample shall be placed on a sample holder, which allows air access from all sides. The climatic factors shall be adjusted according to ISO 16000-9. For comparison of test results, the area specific ventilation rate (q=n/l) shall be 1. The ventilation rate shall be between 0.5 and 1. The air sampling shall be done 24±1 h after loading of the chamber during 1 hour on DNPH cartridges for the analysis of formaldehyde and other aldehydes and on Tenax TA for the analysis of other volatile organic compounds (see note). Sampling duration for other compounds may be longer but shall be completed before 30 hours

The analysis of formaldehyde and other aldehydes shall comply with the standard ISO 16000-3. Unless specified differently, the analysis of other volatile organic compounds shall comply with the standard ISO 16000-6.

Testing following the standard CEN/TS 16516 shall be considered equivalent to those of the ISO 16000 series of standards.

The analysis of nitrosamines shall be done by means of gas chromatography in combination with a thermal energy analysis detector (GC-TEA), in accordance with the BGI 505-23 method (formerly: ZH 1/120.23) or equivalent.

[Declaration re: latex foam (SVOCs, VOCs, VVOCs) by latex foam manufacturer (criterion 1.2)](#_Declaration:_Criterion_1.2)

### Note: DNPH is a specific absorbent type for measuring the presence of formaldehyde and other aldehydes. Tenax TA is a specific absorbent type for measuring the presences of VOCs.

### Documents see enclosure number

## Point 1.3. Dyes

### Are the criterions respected? yes no

**Required documentation for Assessment and verification:** The applicant shall provide either a declaration of non-use of dyes from the manufacturer of the foam or, in case of use, a declaration of compliance with this criterion, together with supporting documentation.

[Declaration re: latex foam (dyes) by latex foam manufacturer (criterion 1.3)](#_Declaration:_Criterion_1.3)

### Documents see enclosure number

# Criterion 2: Polyurethane (PUR) foam

*Note: The following requirements need to be met only if PUR foam contributes to more than 5 % of the total weight of the mattress.*

## Point 2.1 Restricted Substances

### Are the criterions respected? yes no

**Required documentation for Assessment and verification:**

A. For biocides, phthalates and other specific substances that are restricted the applicant shall provide a declaration supported by declarations from manufacturers of the foam confirming that the listed substances have not been added intentionally to the foam formulation. (see note)

B. For heavy metals the applicant shall provide a report presenting the results of the following test procedure. Milled sample material is eluted in accordance with DIN 38414-S4 or equivalent in a ratio of 1:10. The resultant filtrate shall be passed through a 0.45 μm membrane filter (if necessary by pressure filtration). The solution obtained shall be examined for the content of heavy metals by atomic emission spectrometry with inductively coupled plasma (ICP-AES or ICP-OES) or by atomic absorption spectrometry using a hydride or cold vapour process.

C. For the total amount of plasticizers the applicant shall provide a report presenting the results of the following test procedure. The sample shall be a composite of 6 pieces to be taken from beneath each samples face (to a maximum of 2 cm from the surface). Extraction shall be performed with dichloromethane using validated method and followed by analysis with gas chromatography–mass spectrometry (GC/MS) or high-performance liquid chromatography (HPLC/UV).

D. For TDA and MDA the applicant shall provide a report presenting the results of the following test procedure. The sample shall be a composite of 6 pieces to be taken from beneath each samples face (to a maximum of 2 cm from the surface). Extraction shall be performed with 1 % aqueous acetic acid solution. Four repeat extractions of the same foam sample shall be performed maintaining the sample weight to volume ratio of 1:5 in each case. The extracts shall be combined, made up to a known volume, filtered and analysed by high- performance liquid chromatography (HPLC-UV) or HPLC-MS. If HPLC-UV is performed and interference is suspected, reanalysis with high performance liquid chromatography–mass spectrometry (HPLC-MS) shall be performed.

E. For tinorganic substances the applicant shall provide a report presenting the results of the following test procedure. The sample shall be a composite of 6 pieces to be taken from beneath each sample face (to a maximum of 2 cm from the surface). Extraction shall be performed for 1 hour in an ultrasonic bath at room temperature. The extracting agent shall be a mixture composed as it follows: 1750 ml methanol + 300 ml acetic acid + 250 ml buffer (pH 4.5). The buffer shall be a solution of 164 g of sodium acetate in 1200 ml of water and 165 ml acetic acid, to be diluted with water to a volume of 2000 ml. After extraction the alkyl tin species shall be derivatized by adding sodium tetraethylborate solution in tetrahydrofuran (THF). The derivative shall be extracted with n-hexane and the sample shall be submitted to a second extraction procedure. Both hexane extracts shall be combined and further used to determine the organotin compounds by gas chromatography with mass selective detection in SIM modus (see note).

[Declaration (a) re: PUR foam (restricted substances) by PUR foam manufacturer (criterion 2.1)](#_Declaration_(a):_Criterion)

[Declaration (b) re: PUR foam (restricted substances - not intentionally added) by PUR foam](#_Declaration_(b):_Criterion)

**Note: Biocides are defined as a chemical substance or microorganism which can deter, render harmless or exert a controlling effect on any harmful organism. Phthalates are a class of chemical substance commonly used as an additive in plastics***.*

**Note: SIM modus is a specific analytical methodology suitable for quantitative analysis of trace substances.**

### Documents see enclosure number

## Point 2.2 Emission of specified volatile organic compounds (SVOCs, VOCs, VVOCs)

### Are the criterions respected? yes no

**Required documentation for Assessment and verification:**

The applicant shall provide a report presenting the results of the following test procedure. The foam sample is placed on the bottom of an emission test chamber and is conditioned for 3 days at 23°C and 50 % relative humidity, applying an air exchange rate n of 0.5 per hour and a chamber loading L of 0.4 m²/m³ (= total exposed surface of sample in relation to chamber dimensions without sealing edges and back) in accordance with ISO 16000-9 and ISO 16000-11. Sampling shall be done 72 ± 2 h after loading of the chamber during 1 hour on Tenax TA and DNPH cartridges for respectively VOC and formaldehyde analysis. The emissions of VOC are being trapped on Tenax TA sorbent tubes and subsequently analysed by means of thermo-desorption-GC-MS in accordance to ISO 16000-6. Results are semi-quantitatively expressed as toluene equivalents. All specified individual components are reported from a concentration limit ≥ 1 μg/m³. Total VOC value is the sum of all components with a concentration ≥ 1μg/m³ and eluting within the retention time window from n-hexane (C6) to n-hexadecane (C16), both included. The sum of all detectable compounds classified as categories C1A or C1B according to Regulation (EC) No 1272/2008 is the sum of all these substances with a concentration ≥ 1 μg/m³. In case the test results exceed the standard limits, substance specific quantification needs to be performed. Formaldehyde can be determined by collection of the sampled air onto DNPH cartridge and subsequent analysis by HPLC/UV in accordance to ISO 16000-3.

Testing following the standard CEN/TS 16516 shall be considered equivalent to those of the ISO 16000 series of standards.

[Declaration re: PUR foam (SVOCs, VOCs, VVOCs) by PUR foam manufacturer (criterion 2.2)](#_Declaration:_Criterion_2.2)

**Note:**

* **Chamber volume shall be 0.5 or 1 m³.**
* **1 sample (25 cm x 20 cm x 15 cm) shall be used in a test chamber of 0.5 m³ standing vertically on one 20 cm x 15 cm side.**
* **2 samples (25 cm x 20 cm x 15 cm) shall be used in a 1 m³ test chamber standing vertically on one 20 cm x 15 cm side; in this case both samples shall be placed in the test chamber with 15 cm distance in between.**

### Documents see enclosure number

## Point 2.3 Dyes

### Should dyes be used, criterion 5.5 shall be respected.

### Are the criterions respected? yes no

**Required documentation for Assessment and verification:**

The applicant shall provide either a declaration of non-use of dyes from the manufacturer of the foam or, in case of use, a declaration of compliance with this criterion, together with supporting documentation.

[Declaration re: PUR foam (dyes) by PUR foam manufacturer (criterion 2.3)](#_Declaration:_Criterion_2.3)

### Documents see enclosure number

## Point 2.4 Total chlorine content of isocyanates

## Should mixed isomers of toluene diisocyanate (TDI) be used in the production of the PUR foam, the total chlorine content of these isocyanates shall not exceed 0.07 % by weight.

### Are the criterions respected? yes no

**Required documentation for Assessment and verification:**

The applicant shall provide either a declaration of non-use from the manufacturer of the foam or the results of the test methods carried-out in accordance with ASTM D4661-13 or equivalent.

[Declaration re: PUR foam (isocyanates) by PUR foam manufacturer (criterion 2.4)](#_Declaration:_Criterion_2.4)

### Note: The criterion refers to ASTM D4661-93, however this should read ASTM D4661-13.

### Documents see enclosure number

## Point 2.5 Blowing agents

## Halogenated organic compounds shall not be used as blowing agents or as auxiliary blowing agents (see note).

### Are the criterions respected? yes no

**Required documentation for Assessment and verification:**

The applicant shall provide a declaration of non-use from the manufacturer of the foam.

[Declaration re: PUR foam (blowing agents) by PUR foam manufacturer (criterion 2.5)](#_Declaration:_Criterion_2.5)

## *Note: A blowing agent is a substance which is used to produce a cellular structure via a foaming process. Auxiliary blowing agents may also be used in these processes to provide better control of the foaming procedure, and impart specific properties to the end product.*

### Documents see enclosure number

# Criterion 3: Wire and springs

*Note: The following requirements need to be met only if wire and springs contribute to more than 5% of the total weight of the mattress*

## Point 3.1 Degreasing

If degreasing and/or cleaning of wire and/or springs is carried out with organic solvents, use shall be made of a closed cleaning/degreasing system.

### Are the criterions respected? yes no

**Required documentation for Assessment and verification:**

The applicant shall provide a corresponding declaration from the manufacturer of wire and/or springs.

[Declaration re: wire and springs (degreasing) by wire/spring manufacturer (criterion 3.1)](#_Declaration:_Criterion_3.1)

### Documents see enclosure number

## Point 3.2 Galvanisation

## The surface of springs shall not be covered with a galvanic metallic layer (see note).

### Are the criterions respected? yes no

**Required documentation for Assessment and verification: Galvanisation**

The applicant shall provide a corresponding declaration from the manufacturer of wire and/or springs.

[Declaration re: wire and springs (galvanisation) by wire/spring manufacturer (criterion 3.2)](#_Declaration:_Criterion_3.2)

## *Note: A galvanic metallic layer may be used to prevent rusting through the application of a protective zinc coating to steel or iron (galvanisation*

### Documents see enclosure number

# Criterion 4: Coconut fibres

*Note: The following requirement needs to be met only if coconut fibres contribute to more than 5% of the total weight of the mattress*.

|  |
| --- |
| Criteria for latex foam shall be considered if coconut fibre material is rubberised using latex (see note). Are the criterions respected?  yes  no **Required documentation for Assessment and verification:**  The applicant shall either provide a declaration of non-use of rubberised coconut fibres, or the test reports required in criterion 1 for latex foam.  [Declaration re: coconut fibres (rubberised) by applicant (criterion 4)](#_Declaration:_Criterion_4) |
| ***Note: Coconut fibre may have latex incorporated to bond fibres together to improve properties.*** |

### Documents see enclosure number

# Criterion 5: Textiles (fabrics and fibres used as mattress cover and/or filling materials)

*Notes:*

*A. All the requirements (5.1 to 5.11) shall be respected for the mattress cover (i.e. ticking).*

*B. Filling materials (i.e. padding) shall respect requirement 5.1. Where wool is used as filling material, requirements 5.1, 5.2 and 5.8 shall be respected.*

*C. All textiles which have been awarded the EU Ecolabel, as established in Commission Decision 5 June 2014, are considered being automatically compliant with requirements 5.1,5.2, 5.3, 5.4, 5.5, 5.6, 5.7, 5.8, 5.10 and 5.11. Nevertheless, in order to allow mattresses to be awarded the EU Ecolabel, it shall be demonstrated that also criterion 5.9 is satisfied for the mattress cover.*

## Point 5.1 General requirements on hazardous substances (including flame retardants, biocides and plasticizers) (Applicability: all textiles)

## *All textiles: criteria 7 (flame retardants), 8 (biocides), 9 (plasticizers) and 10 (hazardous substances) shall be respected by all textiles.*

# Are the criterions respected? yes no

**Required documentation for Assessment and verification: General requirements**

The applicant shall provide a declaration of compliance with this criterion, together with the supporting documentation required in the respective criteria (7, 8, 9 and 10).

[Declaration re: textiles (hazardous substances) by applicant or textile supplier/manufacturer (criterion 5.1)](#_Declaration:_Criterion_5.1)

### Documents see enclosure number

## Point 5.2 Auxiliaries used in preparations and formulations (Applicability: covers made of any fibres and filling materials made of wool)

## *Note: Auxiliaries are substances specifically added to textiles in order to change/enhance properties.*

### Are the criterions respected? yes no

**Required documentation for Assessment and verification:**

A. The applicant shall provide a report presenting the results of the final product testing which shall be performed through solvent extraction followed by liquid chromatography– mass spectrometry (LC-MS).

B. The applicant shall provide a declaration of non-use from the supplier supported by safety data sheets for all production stages.

[Declaration (a) re: auxiliaries used in the preparations and formulations of mattress covers made of any fibre by applicant (criterion 5.2, Assessment and verification condition A)](#_Declaration_(a):_Criterion_1)

[Declaration (b) re: auxiliaries used in the preparations and formulations of mattress covers made of any fibre by textile manufacturer/supplier (criterion 5.2, Assessment and verification condition B)](#_Declaration_(b)_:)

[Declaration (c) re: auxiliaries used in preparations and formulations where filling materials are made of wool by fibre supplier/manufacturer (criterion 5.2 Assessment and verification condition A)](#_Declaration_(c):_Criterion)

***Documents see enclosure number***

## Point 5.3 Surfactants, fabric softeners and complexing agents in wet processes (Applicability: covers made of any fibres)

*Note: A wet process is a textile processing step that involves or is carried out in water, and may be at any stage of textiles production, e.g. pre-treatment, dyeing, printing or finishing.*

*Note: A surfactant is a substance that enables mixing of two immiscible substances. Softeners are used in textile processing to prevent static cling. Complexing agents are a specific group of substances, these are used to reduce the calcium and magnesium content in processing water.*

*Note: The 95% limit refers to the collective percentage for these substances.*

### Are the criterions respected? yes no

**Required documentation for Assessment and verification:**

The applicant shall provide appropriate documentation through safety data sheets and declarations from suppliers.

For all surfactants, softeners and complexing agents, this shall be supported by results of appropriate OECD or ISO tests for:

1. Readily biodegradability (OECD 301 A, ISO 7827, OECD 301 B, ISO 9439, OECD 301 C, OECD 301 D, ISO 10708, OECD 301 E, OECD 301 F, ISO 9408)

2. Inherently biodegradability (ISO 14593, OECD 302 A, ISO 9887, OECD 302 B, ISO 9888, OECD 302 C)

3. Eliminability (OECD 303A/B, ISO 11733)

For non-ionic and cationic surfactants, this shall be supported by results of appropriate OECD or ISO tests (ISO 11734, ECETOC No 28 (June 1988), OECD 311).

[Declaration re: surfactants, fabric softeners and complexing agents in wet processes by fibre supplier/manufacturer (criterion 5.3)](#_Declaration:_Criterion_5.3)

### Documents see enclosure number

## Point 5.4 Bleaching of pulp, yarns, fabrics and end products (Applicability: covers made of any fibres)

## *Note: Chlorine agents are substances that contain chlorine as an active species. OX and AOX.*

### Are the criterions respected? yes no

**Required documentation for Assessment and verification: Bleaching of pulp, yarns, fabrics and end products (Applicability: covers made of any fibres)**

The applicant shall provide a declaration of non-use of chlorinated bleaching agents from the supplier.

For man-made cellulose fibres, the applicant shall provide a test report showing compliance with either the OX or the AOX requirement, using the appropriate test method:

 OX: ISO 11480 (controlled combustion and microcoulometry)

 AOX: ISO 9562

[Declaration (a) re: bleaching of pulp, yarns, fabrics and end products (non man-made cellulose fibres) by fibre supplier/manufacturer (criterion 5.4)](#_Declaration_(a):_Criterion_2)

[Declaration (b) re: bleaching of pulp, yarns, fabrics and end products (man-made cellulose fibres) by fibre supplier/manufacturer (criterion 5.4)](#_Declaration_(b):_Criterion_1)

***Documents see enclosure number***

## Point 5.5 Dyes (Applicability: covers made of any fibres)

Dyes are classified in the following groups,

(i) Halogenated carriers

(ii) Azo dyes

(iii) CMR dyes

(iv) Potentially sensitising dyes

(v) Chrome mordant dyes

(vi) Metals complex dyes

### Are the criterions respected? yes no

**Required documentation for Assessment and verification: Dyes (Applicability: covers made of any fibres)**

A. The applicant shall provide a declaration of non-use from the supplier supported by safety data sheets.

B. The applicant shall provide a report presenting the results of the final product testing. Content of azo dyes in the final product shall be tested according to EN 14362-1 and 14362-3. Limit value is 30 mg/kg for each arylamine. (Note: false positives may be possible with respect to the presence of 4-aminoazobenzene, and confirmation is therefore recommended).

[Declaration (a) re: dyes by fibre supplier/manufacturer (criterion 5.5](#_Declaration_(a):_Criterion_3))

[Declaration (b) re: azo dyes by supplier/manufacturer (criterion 5.5)](#_Declaration_(b):_Criterion_2)

### Documents see enclosure number

## Point 5.6 Extractable metals (Applicability: covers made of any fibres)

### Are the criterions respected? yes no

**Required documentation for Assessment and verification:**

The applicant shall provide a report presenting the results of the final product testing as verification for the limit values. The tests shall be extraction according to ISO 105-E04 (acid sweat solution) and detection with inductively coupled plasma mass spectrometry (ICP-MS) or inductively coupled plasma optical emission spectrometry (ICP-OES, also referred to as ICP-AES).

[Declaration re: extractable metals in covers made of any fibres by applicant (criterion 5.6)](#_Declaration:_Criterion_5.6)

### Documents see enclosure number

## Point 5.7 Water, stain and oil repellents (Applicability: covers made of any fibres)

*Note: Fluorinated treatments consist in the application of substances that contain fluorine and that act either as water repellents, stain repellents or oil repellents.*

### Are the criterions respected? yes no

**Required documentation for Assessment and verification:**

The applicant shall provide a declaration of non-use from the supplier supported by safety data sheets and compliance with criterion 10 shall be demonstrated accordingly.

[Declaration re: water, stain and oil repellents by fibre manufacturer/supplier (criterion 5.7)](#_Declaration:_Criterion_5.7)

### Documents see enclosure number

## Point 5.8 Wastewater discharges from wet processing (Applicability: covers made of any fibres and filling materials made of wool)

## *Note: COD refers to chemical oxygen demand, and is used to determine the quantity of organic compounds in water.*

### Are the criterions respected? yes no

**Required documentation for Assessment and verification:**

The applicant shall provide detailed documentation and test reports, using ISO 6060 for determination of COD and ISO 7887 for determination of colour, and showing compliance with this criterion on the basis of monthly averages for the six months preceding the application, together with a declaration of compliance. The data shall demonstrate compliance by the production site or, if the effluent is treated off-site, by the wastewater treatment operator.

[Declaration re: wastewater discharges from wet processing by textile manufacturer (criterion 5.8)](#_Declaration:_Criterion_5.8)

### Documents see enclosure number

## Point 5.9 Mechanical resistance (Applicability: covers made of any fibre)

### Are the criterions respected? yes no

**Required documentation for Assessment and verification: Mechanical resistance (Applicability: covers made of any fibre)**

The applicant shall provide reports describing the results of the tests performed according to ISO 13937-2 or ISO 9073-4 for tear strength, ISO 13936-2 (under a load of 60 N) for seam slippage and ISO 13934-1 for tensile strength.

[Declaration re: mechanical resistance by applicant or textile supplier/ manufacturer (criterion 5.9)](#_Declaration:_Criterion_5.9)

### Documents see enclosure number

## Point 5.10 Durability of flame retardant function (Applicability: covers made of any fibre

### Are the criterions respected? yes no

**Required documentation for Assessment and verification:**

The applicant shall provide reports from tests carried out according to the following standards, as appropriate:

 ISO 6330 in combination with ISO 12138 for domestic wash cycles and ISO 10528 for industrial laundry cycles in case of removable and washable covers.

 BS 5651 or equivalent in case the cover is not intended to be removed and washed.

[Declaration re: durability of flame retardant function (covers made of any fibre) by applicant or textile supplier/manufacturer (criterion 5.10)](#_Declaration:_Criterion_5.10)

### Documents see enclosure number

## Point 5.11 Dimensional change (Applicability: removable covers made of any fibres)

### Are the criterions respected? yes no

**Required documentation for Assessment and verification: Dimensional change (Applicability: removable covers made of any fibres)**

The applicant shall provide test reports referring to appropriate standards. ISO 6330 in combination with EN ISO 5077:2008 shall be used as test method. Unless the cover states otherwise, the default conditions shall be washing 3A (60°C), drying C (flat drying) and ironing according to the composition of the fabric.

[Declaration re: dimensional change by applicant or textile supplier/manufacturer (criterion 5.11)](#_Declaration:_Criterion_5.11)

***Notes: This criterion refers to mattress covers that are both removable and washable.***

***The EU Ecolabel criteria document refers to EN 25077 which has been withdrawn, EN ISO 5077:2008 should be used in its place****.*

### Documents see enclosure number

# Criterion 6: Glues and adhesives

# *Are the criterions respected? yes no*

**Required documentation for Assessment and verification: Glues and adhesives**

The applicant shall provide a declaration of non-use or a declaration from suppliers together with supporting documentation and compliance with criterion 10 shall be demonstrated accordingly.

[Declaration re: glues and adhesives by applicant or glue/adhesive supplier/manufacturer (criterion 6)](#_Declaration:_Criterion_6)

### Documents see enclosure number

# Criterion 7: Flame retardants

### Are the criterions respected? yes no

**Required documentation for Assessment and verification: Flame Retardants**

The applicant shall provide and shall make suppliers to provide a declaration of non-use confirming that the listed flame retardants have not been included in the product, any article of it and any homogeneous part of it. A list of substances added to enhance the flame retarding properties shall be also provided, including concentrations and related H statements/R phrases, and compliance with criterion 10 shall be demonstrated accordingly.

[Declaration re: flame retardants by applicant or parts supplier/manufacturer (criterion 7)](#_Declaration:_Criterion_7)

***Notes: Articles are defined by REACH and CLP as ‘an object which during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition’. The article could be composed of further articles, parts, accessories, consumables and packaging; Whilst there is no specific definition of “homogenous parts” in REACH5 or CLP6, the RoHS Directive 2011/65/EU defines a homogenous material as: “one material of uniform composition throughout or a material, consisting of a combination of materials, that cannot be disjointed or separated into different materials by mechanical actions such as unscrewing, cutting, crushing, grinding and abrasive processes”.***

### Documents see enclosure number

# Criterion 8: Biocides

## Point 8.1 Production

### Are the criterions respected? yes no

**Required documentation for Assessment and verification:**

The applicant shall provide either declarations of non-use or evidence that the use of biocides is authorised under Regulation (EC) No 528/2012. A list of biocidal products added to the product shall be also provided, including concentrations and related H statements / R phrases, and compliance with criterion 10 shall be demonstrated accordingly.

[Declaration of biocides (production) by applicant or parts supplier/manufacturer (criterion 8.1)](#_Declaration:_Criterion_8.1)

### Documents see enclosure number

## Point 8.2 Transportation

*Note: TBT= tributyltin, TPhT = triphenyltin, DBT = dibutyltin and DOT = Dioctyltin*

### Are the criterions respected? yes no

**Required documentation for Assessment and verification:**

The applicant shall provide and shall make suppliers to provide a declaration of non-use, as appropriate, confirming that the listed substances have not been used during the transportation or storage of the product, any article and any homogeneous part of it. A list of biocidal products added to the product shall be also provided, including concentrations and related H statements / R phrases, and compliance with criterion 10 shall be demonstrated accordingly.

[Declaration of biocides (transportation) by applicant or parts supplier/manufacturer (criterion 8.2)](#_Declaration:_Criterion_8.2)

### Documents see enclosure number

# Criterion 9: Plasticizers

# Note: Plasticizers are substances added to plastics to increase their plasticity or fluidity.

### Are the criterions respected? yes no

**Required documentation for Assessment and verification:**

The applicant shall provide and shall make suppliers to provide a declaration of non-use confirming that the listed substances have not been used in the product, any article of it and any homogeneous part of it. Safety data sheets for the formulation of polymers may be requested to confirm that the listed substances have not been included in the product. A list of plasticizers added to the product shall be provided, including concentrations and related H statements / R phrases, and compliance with criterion 10 shall be demonstrated accordingly. Additional verification for the total content of phthalates may be required in accordance with ISO 14389 when quality of information is considered insufficient.

[Declaration re: plasticizers by applicant or parts supplier/manufacturer (criterion 9)](#_Declaration:_Criterion_9)

### Documents see enclosure number

# Criterion 10: Excluded or limited substances and mixtures

## (a) Hazardous substances and mixtures

### Are the criterions respected? yes no

**Required documentation for Assessment and verification: Hazardous substances and mixtures**

The applicant shall provide the bill of materials of the product, including a list with all articles and homogeneous part of it

*Note: the bill of materials should be as detailed as possible, identifying the composition of the mattress, materials and all substances added to each material. For instance if cotton is present, it should be identified which additives or other substances are present in the final form.*

The applicant shall screen the presence of substances and mixtures that may be classified with the hazard statements or risk phrases reported above in the criterion. The applicant shall provide a declaration of compliance with requirement 10.1 for the product, any article of it or any homogenous part of it.

Applicants shall select the appropriate forms of verification. The main forms of verification are foreseen as follows:

- Articles manufactured according to a specific chemical formulation (e.g. latex and PUR foams): Safety Data Sheets shall be provided for the final article or for the substances and mixtures composing the final article above a cut-off limit of 0.10 % w/w.

- Homogenous parts and any associated treatments or impurities (e.g. plastic and metal parts): Safety Data Sheets shall be provided for the materials composing that part of the product and for substances and mixtures used in the formulation and treatment of the materials remaining in the final part above a cut-off limit of 0.10 % w/w.

- Chemical recipes used to impart a specific function to the product or to textile components of the product (e.g. glues and adhesives, flame retardants, biocides, plasticizers, dyes): Safety Data Sheets shall be provided for substances and mixtures used in the assembly of the final product or substances and mixtures applied to textile components during production, dyeing, printing and finishing processes and remaining in the textile components.

The declaration shall include related documentation, such as declarations of compliance signed by the suppliers, on the non-classification of the substances, mixtures or materials with any of the hazard classes associated to the hazard statements or risk phrases referred in the list above in accordance with Regulation (EC) No 1272/2008, as far as this can be determined, as a minimum, from the information meeting the requirements listed in Annex VII to Regulation (EC) No 1907/2006

The information provided shall relate to the forms or physical states of the substances or mixtures as used in the final product.

The following technical information shall be provided to support the declaration of classification or non-classification for each substance and mixture:

(i) For substances that have not been registered under Regulation (EC) No 1907/2006 or which do not yet have a harmonised CLP classification: information meeting the requirements listed in Annex VII to that Regulation;

(ii) For substances that have been registered under Regulation (EC) No 1907/2006 and which do not meet the requirements for CLP classification: information based on the REACH registration dossier confirming the non-classified status of the substance;

(iii) For substances that have a harmonised classification or are self-classified: Safety Data Sheets where available. If these are not available or the substance is self-classified then information shall be provided relevant to the substances hazard classification according to Annex II to Regulation (EC) No 1907/2006;

(iv) In the case of mixtures: Safety Data Sheets where available. If these are not available then calculation of the mixture classification shall be provided according to the rules under Regulation (EC) No 1272/2008 together with information relevant to the mixtures hazard classification according to Annex II to Regulation (EC) No 1907/2006.

Safety Data Sheets (SDS) shall be completed in accordance with the guidance in Section 10, 11 and 12 of Annex II to Regulation (EC) 1907/2006 (Requirements for the Compilation of Safety Data Sheets). Incomplete SDS shall require supplementing with information from declarations by chemical suppliers.

Information on intrinsic properties of substances may be generated by means other than tests, for instance through the use of alternative methods such as in vitro methods, by quantitative structure activity models or by the use of grouping or read-across in accordance with Annex XI to Regulation (EC) No 1907/2006. The sharing of relevant data across the supply chain is strongly encouraged.

Where substances used are derogated according to their hazard classification then the declaration shall specifically identify those derogated substances and provide supporting evidence showing how the derogation conditions are met.

[Declaration re: hazardous substances and mixtures by applicant or parts supplier/manufacturer (criterion 10 a)](#_Declaration:_Criterion_10)

### Documents see enclosure number

## (b) Substances listed in accordance with Article 59(1) of Regulation (EC) No 1907/2006

### Are the criterions respected? yes no

**Required documentation for Assessment and verification: Substances listed in accordance with Article 59(1) of Regulation (EC) No 1907/2006**

Reference to the latest list of substances of very high concern shall be made on the date of application. The applicant shall provide a declaration of compliance with requirement 10.2, together with related documentation, including declarations of compliance signed by the material suppliers and copies of relevant Safety Data Sheets for substances or mixtures in accordance with Annex II to Regulation (EC) No 1907/2006. Concentration limits shall be specified in the safety data sheets in accordance with Article 31 of Regulation (EC) No 1907/2006 for substances and mixtures.

[Declaration re: substances listed in accordance with article 59(1) of Regulation (EC) no. 1907/2006 by applicant (criterion 10b)](#_Declaration:_Criterion_10_1)

### Documents see enclosure number

# Criterion 11: Emission of specified volatile organic compounds (SVOCs, VOCs, VVOCs) from the mattress

### Are the criterions respected? yes no

**Required documentation for Assessment and verification: Emission of specified volatile organic compounds (SVOCs, VOCs, VVOCs) from the mattress**

Assessment and verification: the applicant shall perform a test chamber analysis in accordance with the standard EN ISO 16000-9. The analysis of formaldehyde and other aldehydes shall comply with the standard ISO 16000-3; the analysis of VOCs and SVOCs shall comply with the standard ISO 16000-6. Testing following the standard CEN/TS 16516 shall be considered equivalent to those of the ISO 16000 series of standards.

Test results shall be calculated for an area specific ventilation rate "q" = 0.5 m³/m²h, corresponding to a loading factor "L" of 1 m²/m³ and an air change rate "n" of 0.5 per hour. In all these cases, the total surface of all surfaces (upside, downside and edges) of the mattress determine the area used for calculation of the loading factor. The test shall be performed on an entire mattress. Should this not be possible for any reason, any of the following alternative procedures of testing may be applied:

1. Performing the test on a representative sample of the mattress (i.e. one half, one quarter or one eighth); cut edges shall be closed airtight by appropriate means. In order to provide a conservative estimation of the concentration values expected from the entire mattress, concentrations registered with the sample shall be scaled-up by volume (i.e. emissions shall be multiplied by a factor 2, 4 or 8);

2. Performing the test for each separate element forming part of the mattress. In order to provide a conservative estimation of the concentration values expected from the entire mattress, contributions registered with single components shall be combined using this formula CM= Σ ω i.Ci where:

 “CM” (μg.m-3) is the overall contribution from the entire mattress;

 “Ci” (μg.m-3.kgi-1) is the contribution per unit of mass given by each-element “i” forming part of the mattress;

 “ωi” (kgi) is the weight of the element “i” in the entire mattress.

The emissions of all elements of the mattress shall be summed up without taking into account any adsorption or barrier effects (worst-case approach).

[Declaration re: emission of specified volatile organic compounds (SVOCs, VOCs, VVOCs) by applicant (criterion 11)](#_Declaration:_Criterion_11:)

### Documents see enclosure number

# Criterion 12: Technical performance

## Point 12.1 Quality

### Are the criterions respected? yes no

**Required documentation for Assessment and verification:**

The applicant shall provide a report describing the approach followed and the actions taken in order to ensure the quality of the product, the fulfilment of specific functional characteristics and the respect of thermo-hygrometric wellness requirements. The following aspects should be taken into consideration: research and development, selection of materials, internal testing and verification procedures for demonstrating the fulfilment of functional characteristics and the respect of thermo- hygrometric wellness requirements.

[Declaration re: technical performance (quality) by applicant (criterion 12.1)](#_Declaration:_Criterion_12.1:)

### Note: Thermo-hygrometric wellness requirements refer to the heat and moisture transfer properties of a mattress, which form an essential component of a mattress’ function.

### Documents see enclosure number

## Point 12.2 Durability

### Are the criterions respected? yes no

**Required documentation for Assessment and verification: Durability**

The applicant shall provide a test report describing the results obtained following the test method EN 1957. The losses of height and firmness refer to the difference between the measurements made initially (at 100 cycles) and after the completion (30 000 cycles) of the durability test.

[Declaration re: technical performance (durability) by applicant (criterion 12.2)](#_Declaration:_Criterion_12.2:)

### Documents see enclosure number

## Point 12.3 Warranty

### Are the criterions respected? yes no

**Required documentation for Assessment and verification: Warranty**

The applicant shall provide documentation attesting the implementation of the warranty scheme.

[Declaration re: technical performance (warranty) by applicant (criterion 12.3)](#_Declaration:_Criterion_12.3:)

### Documents see enclosure number

# Criterion 13: Design for disassembly and recovery of materials

### Are the criterions respected? yes no

**Required documentation for Assessment and verification: Warranty**

A report shall be submitted with the application detailing the dismantling of the mattress and the possible disposal of each part. For instance, the following actions could facilitate the dismantling of the mattress: preferring sewing to the application of glue; using removable covers; using single and recyclable materials for each homogeneous part.

[Declaration re: design for disassembly and recovery of materials by applicant (criterion 13)](#_Declaration:_Criterion_13:)

### Documents see enclosure number

# Criterion 14: Information appearing on the EU Ecolabel

### Are the criterions respected? yes no

**Required documentation for Assessment and verification: Information appearing on the EU Ecolabel**

The applicant shall provide a declaration of compliance and visual evidence.

[Declaration re: information appearing on the EU Ecolabel by applicant (criterion 14)](#_Declaration:_Criterion_14:)

### Documents see enclosure number

# Criterion 15: Additional information to consumers

### Are the criterions respected? yes no

**Required documentation for Assessment and verification: Additional information for consumers**

The applicant shall provide a declaration of compliance and visual evidence.

[Declaration re: additional information to consumers by applicant (criterion 15)](#_Declaration:_Criterion_15:)

### Documents see enclosure number

**All requirements are conform with following criterions: 1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 2.4, 2.5, 3.1, 3.2, 4, 5.1, 5.2a, 5.2b, 5.2c, 5.3, 5.4a, 5.4b, 5.5c, 5.3, 5.4a, 5.4b, 5.5a, 5.5b, 5.6, 5.7, 5.8, 5.9, 5.10.**  ja  nein

remarks/annexe Nr.:

**It is hereby certified that the product**      [[1]](#footnote-1)  
**entirely meets the requirements of the Commission Decision for Bed Mattresses (2014/391/EU)**

**,**               

(Place) (Date) (Signature and stamp of the assessor)

Please send a copy of the audit protocol with original signature by mail to the VKI (Consumer Information Association).

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| [APPENDIX](#Text2) Declaration: Criterion 1.1 – Latex foam: restricted substances **(Latex foam manufacturer)** | | | | | | |
| *NB. This declaration only needs to be made if latex contributes to more than 5% of the total weight of the mattress.* | | | | | | |
| *I, the undersigned, hereby declare that the latex foam does/does not (please delete as appropriate) contain the following substances.* | | | | | | |
| **Stoffgruppe Restricted group of substances** | **Assessment and verification procedure** | **substance Stoff** | **Limit values (ppm)** | **Test results (ppm)** | **Inform-ation to provided** | |
| Chlorophenols | Gas chromatography analysis of chloro-phenols extracted in the form of phenol, sodium salt or esters and detected with mass spectrometer or electron capture detector. | Mono- and di-chlorinated phenols (salts and esters) | 1 |  | Test results. | |
| Others | 0,1 |  |
| Heavy Metals Schwermetalle | DIN 38414-S4 (or equivalent), using specified testing methodology | As (Arsen) | 0,5 |  | Test results and descrip-tion of testing methods used. | |
| Cd (Cadmium) | 0,1 |  |
| Co (Kobalt) | 0,5 |  |
| Cr (Chrom), total | 1 |  |
| Cu (Kupfer) | 2 |  |
| Hg (Quecksilber) | 0,02 |  |
| Ni (Nickel) | 1 |  |
| Pb (Blei) | 0,5 |  |
| Sb (Antimon) | 0,5 |  |
| Pesticides – tests only required if the foam comprises 20% or more natural latex | Report specifying results of gas chromatography analysis after extraction. | Aldrin | 0,04 |  | Test results. | |
| o,p'-DDE | 0,04 |  |
| p,p'-DDE | 0,04 |  |
| o,p'-DDD | 0,04 |  |
| p,p'-DDD | 0,04 |  |
| o,p'-DDT | 0,04 |  |
| p,p'-DDT | 0,04 |  |
| Diazinon | 0,04 |  |
| Dichlorfenthion | 0,04 |  |
| Dichlorvos | 0,04 |
| Dieldrin | 0,04 |  |
| Endrin | 0,04 |  |
| Heptachlor | 0,04 |  |
| Heptachlorepoxid | 0,04 |  |
| Hexachlorbenzol | 0,04 |  |
| Hexachlor-cyclohexan | 0,04 |  |
| α-Hexachlor-cyclohexan | 0,04 |  |
| β-Hexachlor-cyclohexan | 0,04 |  |
| γ-Hexachlor-cyclohexan (Lindan) | 0,04 |  |
| δ-Hexachlor-cyclohexan | 0,04 |  |
| Malathion | 0,04 |  |
| Methoxychlor | 0,04 |  |
| Mirex | 0,04 |  |
| Ethyl-Parathion | 0,04 |  |
| Methyl-Parathion | 0,04 |  |
| Other specific substances. Andere spezifische Stoffe | Report specifying results of analysis by gas chromatography using headspace sampling | Butadien | 1 |  | Test results. | |
| **Signature of person bearing  legal responsibility:** | |  | | | | |
| **Company Name in CAPITALS:** |  |  | | | | |
| **Date:** | |  | | | | |
| **Company stamp:** | |

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| Declaration: Criterion 1.2 – Latex foam: SVOCs, VOCs, VVOCs **(Latex foam manufacturer)** | | | | | | |
| *NB. This declaration only needs to be made if latex contributes to more than 5% of the total weight of the mattress.* | | | | | | |
| *I, the undersigned, hereby declare that the latex foam does/does not (please delete as appropriate) contain the following substances. Where it does the amounts are shown below:* | | | | | | |
| **Substance** | **Limit value (mg/m³) 24 h** | **Test results (mg/m³) 24 h** | **Information to provided** | |
| 1,1,1-Trichlorethan | 0,2 |  | Test reports  showing results for each substance and description of test methods employed | |
| 4-Phenylcyclohexen | 0,02 |  |
| Carbon Disulphide | 0,02 |  |
| Formaldehyd | 0,005 |  |
| Nitrosamine\* | 0,0005 |  |
| Styrene | 0,01 |  |
| Tetrachlorethylen | 0,15 |  |
| Toluene | 0,1 |  |
| Trichlorethylen | 0,05 |  |
| Vinylchlorid | 0,0001 |  |
| Vinylcyclohexen | 0,002 |  |
| Aromatic hydrocarbons (total) | 0,3 |  |
| VOCs (total) | 0,5 |  |
|  | | | | |
| **Signature of person bearing  legal responsibility:** |  | | | |
| **Company Name in CAPITALS:** |  | | | |
| **Date:** |  | | | |
| **Company stamp:** |
| Declaration: Criterion 1.3 – Latex foam: Dyes **(Latex foam manufacturer)** | | | | |
| *NB. This declaration only needs to be made if latex foam contributes to more than 5% of the total weight of the mattress.*  *I, the undersigned, hereby declare that the latex foam does/does not (please delete as appropriate) contain dyes. Where they are used, the declaration(s) for Criterion 5.5 have been completed.* | | | | |
|  | | | | |
| **Signature of person bearing  legal responsibility:** |  | | | |
| **Company Name in CAPITALS:** |  | | | |
| **Date:** |  | | | |
| **Company stamp:** |

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| Declaration (a): Criterion 2.1 – PUR foam: Restricted substances **(PUR foam manufacturer)** | | | | | | | | | | | | |
| *NB. This declaration only needs to be made if PUR foam contributes to more than 5% of the total weight of the mattress.* | | | | | | | | | | | | |
| *I, the undersigned, hereby declare that the PUR foam does/does not (please delete as appropriate) contain the following substances.*  *Where any of these substances are included, the amounts are as shown below:* | | | | | | | | | | | | |
| **Restricted group of substances** | **Assessment and verification procedure** | | | **substance Stoff** | | | **Limit values (ppm)** | | **Test results (ppm)** | **Inform-ation to provided** |  | |
| Heavy Metals | DIN 38414-S4 (or equivalent), using specified testing methodology | | | As (Arsen) | | | 0,2 | |  | Test reports showing results for each substance and description of test methods employed. |  | |
| Cd (Cadmium) | | | 0,1 | |  |  | |
| Co (Kobalt) | | | 0,5 | |  |  | |
| Cr (Chrom), total | | | 1 | |  |  | |
| Cr VI (Chrom VI) | | | 0,01 | |  |  | |
| Cu (Kupfer) | | | 2 | |  |  | |
| Hg (Quecksilber) | | | 0,02 | |  |  | |
| Ni (Nickel) | | | 1 | |  |  | |
| Pb (Blei) | | | 0,2 | |  |  | |
| Sb (Antimon) | | | 0,5 | |  |  | |
| Se (Selen) | | | 0,5 | |  |  |  | |
| Plasticizers | For the total amount of plasticizers the applicant shall provide a report presenting the results of the following test procedure. The sample shall be a composite of 6 pieces to be taken from beneath each samples face (to a maximum of 2 cm from the surface). Extraction shall be performed with dichloromethane using validated method and followed by analysis with gas chromatography–mass spectrometry (GC/MS) or high-performance liquid chromatography (HPLC/UV). | | | Diisononylphthalat (DINP, 28553-12-0) | | | 0.01 % w/w (sum) | |  | Test reports showing results for each substance and description of test methods employed. |  | |
| Dinoctylphthalat (DNOP (DNOP, 117-84-0) | | |  | |
| Di-(2-ethylhexyl) phthalat (DEHP, 117-81-7) | | |  | |
| Diisodecylphthalat (DIDP, 26761-40-0) | | |  | |
| Benzylbutyl-phthalat  (BBP, 85-68-7) | | |  | |
| Dibutylphthalat (DBP, 84-74-2) | | |  | |
| TDA and MDA | The sample shall be a composite of 6 pieces to be taken from beneath each samples face (to a maximum of 2 cm from the surface). Extraction shall be performed with 1 % aqueous acetic acid solution. Four repeat extractions of the same foam sample shall be performed maintaining the sample weight to volume ratio of 1:5 in each case. The extracts shall be combined, made up to a known volume, filtered and analysed by high- performance liquid chromatography (HPLC-UV) or HPLC-MS. If HPLC-UV is performed and interference is suspected, reanalysis with high performance liquid chromatography–mass spectrometry (HPLC-MS) shall be performed. | | | 2,4-Toluoldiamin (2,4-TDA, 95-80-7) | | | 5 | |  |  | |
| 4,4'-Diaminodiphenylmethan | | | 5 | |  |  | |
| (4,4'-MDA, 101-77-9) | | |  | |
| Tinorganic substances | The sample shall be a composite of 6 pieces to be taken from beneath each sample face (to a maximum of 2 cm from the surface). Extraction shall be performed for 1 hour in an ultrasonic bath at room temperature. The extracting agent shall be a mixture composed as it follows: 1750 ml methanol + 300 ml acetic acid + 250 ml buffer (pH 4.5). The buffer shall be a solution of 164 g of sodium acetate in 1200 ml of water and 165 ml acetic acid, to be diluted with water to a volume of 2000 ml. After extraction the alkyl tin species shall be derivatized by adding sodium tetraethylborate solution in tetrahydrofuran (THF). The derivative shall be extracted with n-hexane and the sample shall be submitted to a second extraction procedure. Both hexane extracts shall be combined and further used to determine the organotin compounds by gas chromatography with mass selective detection in SIM modus | | | Tributylzinn (TBT) | | | 50 ppb | |  |  | |
| Dibutylzinn (DBT) | | | 100 ppb | |  |  | |
| Monobutylzinn (MBT) | | | 100 ppb | |  |  | |
| Tetrabutylzinn (TeBT) | | | - | |  |  | |
| Monooctylzinn (MOT) | | | - | |  |  | |
| Dioctylzinn (DOT) | | | - | |  |  | |
| Tricyclohexylzinn (TcyT) | | | - | |  |  | |
| Triphenylzinn (TPhT) | | | - | |  |  | |
| Summe | | | 500 ppb | |  |  | |
| \*Nitrites are substances that contain an a nitrite functionality, either as salts or in other forms. | | | | | | | | | | |  | |
|  | |  |  | |  |  | |  | | |  | |
| **Signature of person bearing  legal responsibility:** | | | | |  | | | | | | | |
| **Company Name in CAPITALS:** | |  |  | |  | | | | | | | |
| **Date:** | | | | |  | | | | | | | |
| **Company stamp:** | | | | |

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| Declaration (b): Criterion 2.1 – PUR Foam: Restricted substances (not intentionally added). **(PUR foam manufacturer)** | | |
| *NB. This declaration only needs to be made if PUR foam contributes to more than 5% of the total weight of the mattress.* | | |
| *I, the undersigned, hereby declare that the following substances have not been intentionally added.* | | |
| **Restricted group of substances** | **substance** | |  |
| Biocides | Any substance restricted as per Criterion 8.1. | |  |
| Plasticizers | Phthalates – other than those named in the preceding declaration (above 2.1b) | |  |
| Other | Chlorinated or brominated dioxines or furans | |  |
| Chlorinated hydrocarbons (1,1,2,2-tetrachloro-ethane, pentachloroethane, 1,1,2-trichloro-ethane, 1,1-dichloroethylene) | |  |
| Chlorinated phenols (PCP, TeCP, 87-86-5) | |  |
| Hexachlorocyclohexane (58-89- 9) | |  |
| Monomethyldibromo–diphenylmethane (99688-47-8) | |  |
| Monomethyldichloro-diphenylmethane (81161-70-8) | |  |
| Nitrites\* | |  |
| Polybrominated biphenyls (PBB, 59536-65-1) | |  |
| Pentabromodiphenyl ether (PeBDE, 32534-81-9) | |  |
| Octabromodiphenyl ether (OBDE, 32536-52-0) | |  |
| Polychlorinated biphenyls (PCB, 1336-36-3) | |  |
| Polychlorinated terphenyls (PCT, 61788-33-8) | |  |
| Tri-(2,3-dibromo-propyl)-phosphate (TRIS, 126-72-7) | |  |
| Trimethylphosphate (512-56-1) | |  |
| Tris-(aziridinyl)-phosphinoxide (TEPA, 5455-55-1) | |  |
| Tris(2-chloroethyl)-phosphate (TCEP, 115-96-8) | |  |
| Dimethyl methylphosphonate (DMMP, 756-79-6) | |  |
|  |  | |  |
| **Signature of person bearing  legal responsibility:** | | | |
| **Company Name in CAPITALS:** |  | |  |
| **Date:** | | | |
| **Company stamp:** | | | |

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| Declaration: Criterion 2.2 – PUR foam: SVOCs, VOCs, VVOCs **(PUR foam manufacturer)** | | | | | |
| *NB. This declaration only needs to be made if PUR foam contributes to more than 5% of the total weight of the mattress.* | | | | | |
| *I, the undersigned, hereby declare that the PUR foam does/does not (please delete as appropriate) contain the following substances.*  *Where these substances are used, the room concentrations after a period of 72 hours are as follows:* | | | | | |
| **Substance (CAS number)** | | **Assessment and verification procedure** | **Limit value (mg/m³) 72 h** | **Test results (mg/m³) 72 h** | |
| Formaldehyde (50-00-0) | | Test chamber method in accordance with ISO 16000 series or equivalent CEN/TS 16516 standard as specified in the criteria document | 0,005 |  | |
| Toluene (108-88-3) | | 0,1 |  | |
| Styrene (100-42-5) | | 0,005 |  | |
| Each detectable compound classified as categories C1A or C1B according to the Regulation (EC) No 1272/2008 of the European Parliament and of the Council | | 0,005 |  | |
| Sum of all detectable compound classified as categories C1A or C1B according to Regulation (EC) No 1272/2008 | | 0,04 |  | |
| Aromatic hydrocarbons | | 0,5 |  | |
| VOC (gesamt) | | 0,5 |  | |
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| **Signature of person bearing  legal responsibility:** | | |  |  | |
| **Company Name in CAPITALS:** |  | |  |  | |
| **Date:** | | |  |  | |
| **Company stamp:** | | |  |  | |

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| Declaration: Criterion 2.3 – PUR foam: Dyes **(PUR foam manufacturer)** | | | | | |
| *NB. This declaration only needs to be made if PUR foam contributes to more than 5% of the total weight of the mattress.* | | | | | |
| *I, the undersigned, hereby declare that the PUR foam does/does not (please delete as appropriate) contain dyes. Where dyes are used, I have completed the declaration(s) against Criterion 5.5.* | | | | | |
| **Signature of person bearing  legal responsibility:** | |  |  |
| **Company Name in CAPITALS:** |  |  |  |
| **Date:** | |  |  |
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| Declaration: Criterion 2.4 – PUR foam: Isocyanate **(PUR foam manufacturer)** |
| *NB. This declaration only needs to be made if PUR foam contributes to more than 5% of the total weight of the mattress.* |
| *I, the undersigned, hereby declare that mixed isomers of toluene diisocyanate (TDI) are used/not used (please delete as appropriate) in the production of PUR foam.*  *Where mixed isomers of toluene diisocyanate (TDI) are used, I, the undersigned, hereby declare that the total chlorine content of these isocyanates does not exceed 0.07% by weight as measured by the ASTM D4661-93 method or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (please state method/standard) and I enclose the test report.* |

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| **Signature of person bearing  legal responsibility:** | |  |  |
| **Company Name in CAPITALS:** |  |  |  |
| **Date:** | |  |  |
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| Declaration: Criterion 2.5 – PUR foam: Blowing agents **(PUR foam manufacturer)** | | | | |
| *NB. This declaration only needs to be made if PUR foam contributes to more than 5% of the total weight of the mattress.* | | | | |
| *I, the undersigned, hereby declare that halogenated organic compounds are not used as blowing agents or as auxiliary blowing agents.* | | | | |
| **Signature of person bearing  legal responsibility:** | |  |  | |
| **Company Name in CAPITALS:** |  |  |  | |
| **Date:** | |  |  | |
| **Company stamp:** | |  |  | |

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| Declaration: Criterion 3.1 – Wire and springs: Degreasing declaration. **(Wire/Spring manufacturer)** |
| *NB. The following declaration is only required if wire and/or springs contribute to more than 5% of the total weight of the mattress.* |
| *I, the undersigned, hereby declare that where degreasing and/or cleaning of wire and/or springs is carried out with organic solvents, a closed cleaning/degreasing system is used.* |

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| **Signature of person bearing  legal responsibility:** | |  |  |
| **Company Name in CAPITALS:** |  |  |  |
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| **Company stamp:** | |  |  |

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| Declaration: Criterion 3.2 – Wire and springs: Galvanisation **(Wire/Spring manufacturer)** |
| *NB. The following declaration is only required if wire and/or springs (delete as appropriate) contribute to more than 5% of the total weight of the mattress.* |
| *I, the undersigned, hereby declare that the surface of the wire and/or springs (delete as appropriate) is not covered by a galvanic metal layer.* |

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| **Signature of person bearing  legal responsibility:** | |  |  |
| **Company Name in CAPITALS:** |  |  |  |
| **Date:** | |  |  |
| **Company stamp:** | |  |  |

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| Declaration: Criterion 4 – Coconut fibres (rubberised) **(Applicant)** |
| *NB. The following declaration is only required if coconut fibre contributes to more than 5% of the total weight of the mattress.* |
| *I, the undersigned, hereby declare that rubberised coconut fibres are used/are not used (please delete as appropriate).*  *(NB. Where the coconut fibres are rubberised using latex foam, criterion 1 must be complied with. All relevant declarations and test reports must be completed (as set out in Criterion 1)* |

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| **Signature of person bearing  legal responsibility:** | |  |  |
| **Company Name in CAPITALS:** |  |  |  |
| **Date:** | |  |  |
| **Company stamp:** | |  |  |

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| Declaration: Criterion 5.1 – Textiles **General requirements on hazardous substances**  **(Applicant or Textile supplier/manufacturer)** |
| *NB. To be completed for all textile materials used in the mattress cover and/or filling materials.* |
| *I, the undersigned, hereby declare that all the textile materials used fulfil the requirements of criterion 7 (flame retardants), criterion 8 (biocides), criterion 9 (plasticizers) and criterion 10 (hazardous substances) of the EU Ecolabel criteria for bed mattresses and I attach all the relevant declarations and supporting documentation required by those criteria.* |

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| **Signature of person bearing  legal responsibility:** | |  |  |
| **Company Name in CAPITALS:** |  |  |  |
| **Date:** | |  |  |
| **Company stamp:** | |  |  |

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| Declaration (a): Criterion 5.2 A&V type A – Auxiliaries used in preparations and formulations for mattress covers (any fibre) **(Applicant or Textile supplier/manufacturer)** | | | | | | | | |
| *A) I, the undersigned, hereby declare that Alkylphenols are/are not used (delete as appropriate) and*  *I hereby declare that Alkylphenolethoxylates (APEOs) and their derivatives are/are not used (delete as appropriate).*  *B) Where Alkylphenols and/or Alkylphenolethoxylates (APEOs) and their derivatives are used in any preparations or formulations used for the production of woollen filling materials the amounts present in the filling materials are as follows:* | | | | | | | | |
| **Restricted substance** | **Limit value (mg/kg)** | | | **Test results (mg/kg)** | | **Information to be attached** |
| **Alkylphenols:** · Nonylphenol, mixed isomers (25154-52-3  · 4-Nonylphenol (104-40-5)  · 4-Nonylphenol, branched (84852-15-3) · Octylphenol (27193-28-8)  · 4-Octylphenol (1806-26-4)  · 4-tert-Octylphenol (140-66-9)  **Alkylphenolethoxylates (APEOs) and their derivatives:**  · Polyoxyethylated octyl phenol (9002-93-1)  · Polyoxyethylated nonyl phenol (9016-45-9)  · Polyoxyethylated p-nonyl phenol (26027-38-3 | 25 (sum) | | |  | | Report presenting results of testing of the final product using solvent extraction followed by liquid chromatography - mass spectrometry (LC-MS). |
|  |  | | |  | |  |
| **Signature of person bearing  legal responsibility:** | | |  | |  | |
| **Company Name in CAPITALS:** | |  |  | |  | |
| **Date:** | | |  | |  | |
| **Company stamp:** | | |  | |  | |

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| Declaration (b) : Criterion 5.2 A&V type B – Auxiliaries used in preparations and formulations for mattress covers (any fibre) **(Textile manufacturer/supplier)** | | | | | | | | |
| *I, the undersigned, hereby declare that none of the following substances are used in any preparations or formulations used for the production of all mattress covers, and append safety data sheets (SDS) for all production stages to support this.*   * Bis-(hydriertes Talgalkyl)-dimethylammoniumchlorid (DTDMAC) * Distearyldimethylammoniumchlorid (DSDMAC) * Di(gehärtetes Talg)-dimethylammoniumchlorid (DHTDMAC) * Ethylendiamintetraacetat (EDTA) * Diethylentriaminpentaacetat (DTPA) * 4-(1,1,3,3-Tetramethylbutyl)phenol * 1-Methyl-2-pyrrolidon * Nitrilotriessigsäure (NTA) | | | | | | | | |
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| **Signature of person bearing  legal responsibility:** | | |  | |  | |
| **Company Name in CAPITALS:** | |  |  | |  | |
| **Date:** | | |  | |  | |
| **Company stamp:** | | |  | |  | |

# Declaration (c): Criterion 5.2 A&V type A – Auxiliaries used in preparations and formulations for filling materials made of wool

(Applicant)

*I, the undersigned, hereby declare that Alkylphenols and Alkylphenolethoxylates (APEOs) and their derivatives are/are not used (delete as appropriate). Where they are used in any preparations or formulations for the production of woollen filling materials the amounts present in the filling materials are as follows:*

|  |  |  |  |
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| **Restricted substance** | **Limit value (mg/kg)** | **Test results (mg/kg)** | **Information to be attached** |
| **Alkylphenols:** · Nonylphenol, mixed isomers (25154-52-3  · 4-Nonylphenol (104-40-5)  · 4-Nonylphenol, branched (84852-15-3) · Octylphenol (27193-28-8)  · 4-Octylphenol (1806-26-4)  · 4-tert-Octylphenol (140-66-9)  **Alkylphenolethoxylates (APEOs) and their derivatives:**  · Polyoxyethylated octyl phenol (9002-93-1)  · Polyoxyethylated nonyl phenol (9016-45-9)  · Polyoxyethylated p-nonyl phenol (26027-38-3 | 25 (sum) |  | Report presenting results of testing of the final product using solvent extraction followed by liquid chromatography - mass spectrometry (LC-MS). |

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| **Signature of person bearing  legal responsibility:** | |  |  |
| **Company Name in CAPITALS:** |  |  |  |
| **Date:** | |  |  |
| **Company stamp:** | |  |  |

# Declaration: Criterion 5.3 – Surfactants, fabric softeners and complexing agents in wet processes

**(Fibre supplier/manufacturer)**

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| --- | --- | --- | --- | --- |
| *NB. To be completed for all textile materials used in the mattress cover, made of any fibre.* | | | | |
| *I, the undersigned, hereby declare that all the surfactants, fabric softeners and complexing agents used in wet processes associated with the fibres are either:*  a) Readily biodegradable under aerobic conditions or  b) Inherently biodegradable or eliminable in waste-water treatment plants  And I attach the safety data sheets (SDS) and appropriate OECD/ISO test report to confirm this, according to the following:  **Readily biodegradability:** OECD 301 A, ISO 7827, OECD 301 B, ISO 9439, OECD 301 C,  OECD 301 D, ISO 10708, OECD 301 E, OECD 301 F, ISO 9408  **Readily biodegradability**: OECD 301 A, ISO 7827, OECD 301 B, ISO 9439, OECD 301 C,  OECD 301 D, ISO 10708, OECD 301 E, OECD 301 F, ISO 9408  **Inherently biodegradability**: ISO 14593, OECD 302 A, ISO 9887, OECD 302 B, ISO 9888,  OECD 302 C  **Eliminability**: OECD 303A/B, ISO 11733  *I also declare that non-ionic and cationic surfactants are/are not used (delete as appropriate).*  *Where used, I declare that they are readily biodegradeable under anaerobic conditions and I attach an appropriate ISO/OECD test report (ISO 11734, ECETOC No 28 (June 1988), OECD 311) to confirm this.* | | | | |
| **Signature of person bearing  legal responsibility:** | |  |  | |
| **Company Name in CAPITALS:** |  |  |  | |
| **Date:** | |  |  | |
| **Company stamp:** | |  |  | |

# Declaration (a): Criterion 5.4 – Bleaching of pulp, yarns, fabrics and end products – non man-made cellulose fibres

**(Fibre supplier/manufacturer)**

*I, the undersigned, hereby declare that that no chlorinated bleaching agents have been used in the production of the yarns, fabrics or end-products.*

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| **Signature of person bearing  legal responsibility:** | |  |  |
| **Company Name in CAPITALS:** |  |  |  |
| **Date:** | |  |  |
| **Company stamp:** | |  |  |

# Declaration (b): Criterion 5.4 – Bleaching of pulp, yarns, fabrics and end products – man-made cellulose fibres

**(Fibre supplier/manufacturer)**

*I, the undersigned, hereby declare that the pulp has not been bleached with elemental chlorine and the total amount of chlorine and organically bound chlorine in the finished fibres (OX) does not exceed 150 ppm or 0.170 kg/ADt pulp in the wastewater from the pulp manufacturing plant (AOX) and I attach a test report using the appropriate ISO method (OX: ISO 11490 (controlled combustion and microcoulometry) ;AOX: ISO 9562) that shows compliance with these limits.*

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| **Signature of person bearing  legal responsibility:** | |  |  |
| **Company Name in CAPITALS:** |  |  |  |
| **Date:** | |  |  |
| **Company stamp:** | |  |  |

# Declaration (a): Criterion 5.5 – Dyes

**(Fibre supplier/manufacturer)**

*NB. To be completed for all textile materials used in the mattress cover, made of any fibre.*

*I , the undersigned, hereby declare that the fibre material supplied conforms with the EU Ecolabel criteria for dyes in textiles (criterion 5.5). Specifically I confirm that the dyes listed in criteria 5.5 under the following categories are not used:*

*(i)* Halogenated carriers

(ii) CMR dyes

(iii) Potentially sensitising dyes

(iv) Chrome mordant dyes

(v) Metal complex dyes

*This is confirmed by the accompanying safety data sheets*

*(for Azo dyes, complete Declaration (b): Criterion 5.5 overleaf)*

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| **Signature of person bearing  legal responsibility:** | |  |  |
| **Company Name in CAPITALS:** |  |  |  |
| **Date:** | |  |  |
| **Company stamp:** | |  |  |

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| Declaration (b): Criterion 5.5 – Azo dyes **(Fibre supplier/manufacturer)** |
| *NB. To be completed for all textile materials used in the mattress cover, made of any fibre.* |
| *I, the undersigned, hereby declare that the content of each arylamine in the final product is less than 30 mg/kg and I attach a test report (according to EN 14362-1 and EN 14362-3) that confirms this.* |

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| **Signature of person bearing  legal responsibility:** | |  |  |
| **Company Name in CAPITALS:** |  |  |  |
| **Date:** | |  |  |
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| Declaration: Criterion 5.6 – Extractable metals **(Applicant)** | | | | | | |
| *NB. To be completed for all textile materials used in the mattress cover, made of any fibre.* | | | | | | |
| *I, the undersigned, hereby declare the following amounts of extractable metals in the final product.* | | | | | | |
|  | **Limit values (mg/kg)** | | **Test results(mg/kg)** | | **Information to be provided** | |
| Covers for  Cot mattresses | All other  products | Covers for  Cot mattresses | All other  products |
| Antimony (Sb) | 30 | 30 |  |  | Analysis  according to ISO 105-E04 (acid sweat solution) and detection with inductively coupled plasma mass spectrometry (ICP-MS) or inductively coupled plasma optical emission spectrometry (ICP-OES, also referred to as ICP-AES).  All test reports should be attached. | |
| Arsenic (As) | 0,2 | 1 |  |  |
| Cadmium (Cd) | 0,1 | 0,1 |  |  |
| Chromium (Cr):  - Textiles dyed with metal complex dyes  - All other textiles | 1,0 0,5 | 2,0 1,0 |  |  |
| Cobalt (Co)  - Textiles dyed with metal complex dyes  - All other textiles | 1 1,0 | 4 1,0 |  |  |
| Copper (Cu) | 25 | 50 |  |  |
| Lead (Pb) | 0,2 | 1 |  |  |
| Nickel (Ni)  - Textiles dyed with metal complex dyes  - All other textiles | 1,0 0,5 | 1,0 1,0 |  |  |
| Mercury (Hg) | 0,02 | 0,02 |  |  |

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| **Signature of person bearing  legal responsibility:** | |  |  |
| **Company Name in CAPITALS:** |  |  |  |
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| **Company stamp:** | |  |  |

# Declaration: Criterion 5.7 – Water, stain and oil repellents

**(Fibre manufacturer/supplier)**

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| *NB. To be completed for all textile materials used in the mattress cover, made of any fibre.* |
| *I, the undersigned, hereby declare that:*  *1. no fluorinated water, stain and oil repellent treatments (including perfluorinated and polyfluorinated carbon treatments) are used.*  *2. non-flourinated treatments are readily biodegradable and non-bioaccumulative in the aquatic environment including aquatic sediment. They additionally comply with criterion 10.*  *I attach relevant safety data sheets (SDS) as appropriate.* |

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| **Signature of person bearing  legal responsibility:** | |  |  |
| **Company Name in CAPITALS:** |  |  |  |
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| Declaration: Criterion 5.8 – Wastewater discharges from wet processing (Textile manufacturer) | | | | | | | | | | | |
| *NB. To be completed for all textile materials used in the mattress cover, made of any fibre and all filling materials made of wool.*  *I, the undersigned, hereby declare that the wastewater discharges from wet processing (weaving, dyeing, printing and finishing) do not exceed 20 g COD / kg textile processing.*  I also declare that the wastewater is treated on-site/off-site (delete as appropria*te)*  Where the wastewater is treated on-site and is discharged directly to surface waters an*d the receiving water has a pH value between 6 and 9 and a temperature below 35 oC, I declare that the wastewater has:*  Where wastewater *is treated off-site, I attach the appropriate information from the wastewater treatment plant operator.*  I also declare compliance wi*th the following spectral coefficients, if colour removal is required by a derogation condition in criterion 10:*  (i) 7 m-1 at 436 nm (yellow sector)  *(ii) 5 m-1 at 525 nm (red sector)*  *(iii) 3 m-1 at 620 nm (blue sector).* | | | | | | | | | | | |
| **Parameter** | **Results of monthly averages in the 6 months (m) preceding the application** | | | | | | | | **Information to  be attached** | |
| m1 | m2 | m3 | m4 | m5 | m6 | | |
| g COD / kg textile |  |  |  |  |  |  | | | Documentation and test reports,  using ISO 6060 for determination of COD | |
| pH |  |  |  |  |  |  | | | Documentation and test reports. | |
| Temperature (¶C) |  |  |  |  |  |  | | | Documentation and test reports. | |
| spectral coefficient  yellow sector(\*) |  |  |  |  |  |  | | | Documentation and test reports,  using ISO 7887 | |
| spectral coefficient  red sector(\*) |  |  |  |  |  |  | | | Documentation and test reports,  using ISO 7887 | |
| spectral coefficient  blue |  |  |  |  |  |  | | | Documentation and test | |
| **Signature of person bearing  legal responsibility:** | | | | | | | |  | |  |
| **Company Name in CAPITALS:** | | | | | | |  |  | |  |
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| Declaration: Criterion 5.9 – Mechanical resistance **(Applicant or Textile supplier/ manufacturer)** | | | | | | |
| *NB. To be completed for all textile materials used in the mattress cover, made of any fibre.* | | | | | | |
| *I, the undersigned, hereby declare that the mattress cover meets the following mechanical properties and the test results are shown below:* | | | | | | |
| Requirement | | Assessment and  Verification procedure | | | Test Result (test reports  to be attached) | |
| **Tear Strength**  Required mechanical properties :Woven fabrics ≥ 15 N, Nonwoven fabrics ≥ 20 N , (Knitted fabrics: not applicable) | | ISO 13937-2 (woven  fabrics), ISO 9073-4 (nonwoven) | | |  | |
| **Seam Slippage**  Required mechanical properties: Woven fabrics ≥ 16 picks: maximum 6mm Woven fabrics < 16 picks: maximum 10 mm (Knitted fabrics and nonwovens: not applicable) | | ISO 13936-2 (under a load of 60 N for all woven fabrics) | | |  | |
| **Tensile Strength**  Required mechanical properties: Woven fabrics ≥ 350 N (Knitted fabrics and nonwovens: not applicable) | | ISO 13934-1 | | |  | |
| **Signature of person bearing  legal responsibility:** | | |  |  | | |
| **Company Name in CAPITALS:** |  | |  |  | | |
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| Declaration: Criterion 5.10 – Durability of flame retardant function **(Applicant or Textile supplier/manufacturer)** | | | |
| *NB. To be completed for all textile materials used in the mattress cover, made of any fibre.* | | | |
| *I, the undersigned, hereby declare that the mattress cover maintains its flame retardant function after washing according to the appropriate BS and ISO standards set out below.* | | | |
| **Requirement** | **Assessment and  Verification procedure** | **Test Result (test reports  to be attached)** | |
| **Removable Covers**  Removable and washable covers shall retain their functionality after 50 wash and tumble dry cycles at a minimum of 75°C. | Domestic wash cycles: ISO 6330 in combination with ISO12138  Industrial wash cycles: ISO10528 | Method and test results: | |
| **Non-Removable Covers** Covers that are not intended to be removed and washed shall retain their functionality after a soak test. | BS 5641 or equivalent | Method and test results: | |

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| **Signature of person bearing  legal responsibility:** | |  |  |
| **Company Name in CAPITALS:** |  |  |  |
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| Declaration: Criterion 5.11 – Dimensional change **(Applicant or Textile supplier/manufacturer)** | | | |
| *NB. To be completed for all removable and washable mattress covers, made of any fibre.* | | | |
| *I, the undersigned, hereby declare that the mattress cover meets the following requirements and I attach test reports carried out according to the appropriate EN and ISO standards.* | | | |
| **Requirement** | **Assessment and  Verification procedure** | **Test Result (test reports  to be attached)** | |
| Dimensional changes after washing and drying at either domestic or industrial washing temperatures and conditions shall not exceed:  • Woven fabrics: +/- 3%  • Nonwoven fabrics: +/- 5% | ISO 6330 in combination with EN 5077, according to specified testing methodology. | Method and test results: | |

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| **Signature of person bearing  legal responsibility:** | |  |  |
| **Company Name in CAPITALS:** |  |  |  |
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| Declaration: Criterion 6 – Glues and adhesives **(Applicant or glue/adhesive supplier/manufacturer)** |
| *I, the undersigned, hereby declare that glues containing organic solvents are not use.*  *I also declare that any glues/adhesives that are used for assembling the product are compliant with Criterion 10.*  *I attach the safety data sheets (SDS) for all the glues and adhesives used.* |

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| **Signature of person bearing  legal responsibility:** | |  |  |
| **Company Name in CAPITALS:** |  |  |  |
| **Date:** | |  |  |
| **Company stamp:** | |  |  |

# Declaration: Criterion 7 – Flame retardants

**(Applicant or parts supplier/manufacturer)**

*I, the undersigned, hereby declare that none of the following flame retardants are added intentionally to the product or any component of it.*

|  |  |  |
| --- | --- | --- |
| Decabromodiphenlyether. | Short chain chlorinated paraffins (C10-C13). |  |
| Hexabromocyclododecane. | Tris-(2,3-dibromopropyl)-phosphate. |  |
| Octabromodiphenylether. | Tris(2-chloroethyl)phosphate. |  |
| Pentabromodiphenylether. | Tris-(aziridinyl)-phosphinoxide. |  |
| Polybrominated biphenyls. | |  |

*All other substances added to the product at any stage to enhance the flame retarding properties are listed in the attachment, with details of concentrations, related H statements and R phrases and accompanying safety data sheets (SDS).*

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| **Signature of person bearing  legal responsibility:** | |  |  |
| **Company Name in CAPITALS:** |  |  |  |
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| Declaration: Criterion 8.1 – Biocides (Production) **(Applicant or parts supplier/manufacturer)** |
| *I, the undersigned, hereby declare that biocidal active substances are/are not present in the product (delete as appropriate).*  *Where biocidal active substances are used, I declare they are authorised under Regulation No. EC 528/2012. I have attached a list with details of concentrations, related H statements (or R phrases) and safety data sheets (SDS).* |

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| **Signature of person bearing  legal responsibility:** | |  |  |
| **Company Name in CAPITALS:** |  |  |  |
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| Declaration: Criterion 8.2 – Biocides (Transport) **(Applicant or parts supplier/manufacturer)** |
| *I, the undersigned, hereby declare that no Chlorophenols (their salts and esters), polychlorinated biphenyl (PCB), organo-tin compounds (including TBT, TPhT, DBT and DOT) and diemthyl fumarate (DMFu) are used during the transportation or storage of the product, any article or homogeneous part of it.*  *Where biocidal active substances are used during transportation or storage, I declare they are authorised under Regulation No. EC 528/2012. I also attach a list with details of concentrations, related H statements (or R phrases) and safety data sheets (SDS).* |

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| **Signature of person bearing  legal responsibility:** | |  |  |
| **Company Name in CAPITALS:** |  |  |  |
| **Date:** | |  |  |
| **Company stamp:** | |  |  |

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| Declaration: Criterion 9 – Plasticizers **(Applicant or parts supplier/manufacturer)** |
| *I, the undersigned, hereby declare that none of the following plasticizers have been added to the product or any article or homogenous part of it.*  *All list of plasticizers added to the product are listed in the attachment, with details of concentrations, related H statements and R phrases and accompanying safety data sheets (SDS).* |

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| Di-iso-nonylphtalate\* | 28553-12-0; 68515-48-0 | | | | DINP |
| Di-n-octylphthalate | 117-84-0 | | | | DNOP |
| Di(2-ethylhexyl)-phthalate | 117-81-7 | | | | DEHP |
| Diisodecylphthalate\* | 26761-40-0; 68515-49-1 | | | | DIDP |
| Butylbenzylphthalate | 85-68-7 | | | | BBP |
| Dibutuylphthalate | 84-74-2 | | | | DBP |
| Di-iso-butylphthalate | 71888-89-6 | | | | DIBP |
| Di-C6-8-branched alkyphthalates | 68515-42-4 | | | | DIHP |
| Di-C7-11-branched alkyphthalates | 84-75-3 | | | | DHNUP |
| Di-n-hexylphthalate | 117-82-8 | | | | DHP |
| Di-(2-methoxyethyl)-phthalate | 71888-89-6 | | | | DMEP |
| \*only for cot mattresses | | | | | |
| **Signature of person bearing  legal responsibility:** | | |  |  | |
| **Company Name in CAPITALS:** | |  |  |  | |
| **Date:** | | |  |  | |
| **Company stamp:** | | |  |  | |

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| Declaration: Criterion 10 (a) – Hazardous substances and mixtures **(Applicant or parts supplier/manufacturer)** | | | | |
| *I, the undersigned, hereby declare that the product is compliant with criterion 10(a) of the EU Ecolabel criteria for bed mattresses, and have attached the required supporting information:*  - *A bill of materials*  - *A list of all articles and homogenous parts of the product*  - *Safety data sheets for the final product and each article, homogenous part, mixture and*  *substance comprising more than 0.10% w/w of the final product.*  - *Safety data sheets for mixtures and substances used in the assembly of the final product or applied to textile components during production, dyeing, printing and finishing and that remain in the final product. Where safety data sheets are not available for a substance or mixture or it is self-classified then information relevant to the hazard classification and meeting the requirements of Annex II of Regulation (EC) No. 1907/2006 is attached.*  - *Chemical recipes used to impart a specific function (e.g. glues, adhesives, flame retardants, biocides, plasticizers, dyes etc.)*  - *A list of derogated substances present in the product with supporting evidence showing how the derogation conditions are met.* | | | | |
| **Signature of person bearing  legal responsibility:** | |  |  | |
| **Company Name in CAPITALS:** |  |  |  | |
| **Date:** | |  |  | |
| **Company stamp:** | |  |  | |

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| Declaration: Criterion 10 b – Substances listed in accordance with Article 59(1) of Regulation (EC) No 1907/2006 **(Applicant)** |
| *I, the undersigned, hereby declare that the product, any article and homogenous part of it and any mixture used in it, does not contain any substance(s) of very high concern (SVHCs) listed in accordance with Article 59(1) of Regulation (EC) No. 1907/2006 in concentrations greater than 0.10% by weight.* |

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| **Signature of person bearing  legal responsibility:** | |  |  |
| **Company Name in CAPITALS:** |  |  |  |
| **Date:** | |  |  |
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| Declaration: Criterion 11: Emission of specified volatile organic compounds (SVOCs, VOCs, VVOCs) from the mattress **(Applicant)** |
| *I, the undersigned, hereby declare that the contribution of the mattress(es) to the VOC content of the indoor air, for a period of 7 days (or 28 days) using the emission test chamber method with reference to the European reference room, is as follows:* |

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| **Requirement** | **Assessment and  Verification procedure** | | | | **Test Result (report to be attached)** |
| Formaldehyde  Final value 7th day: < 0.06 mg/m3  OR  Final value 28th day: < 0.06 mg/m3  Other aldehydes  Final value 7th day: < 0.06 mg/m3  OR  Final value 28th day: < 0.06 mg/m3 | EN ISO 1600-3 (formaldehyde)  EN ISO 1600-3 (other aldehydes) | | | |  |
|  |
| VOCs (total) Final value 7th day: < 0.5 mg/m3  OR  Final value 28th day: < 0.2 mg/m3  SVOCs (total)  Final value 7th day: < 0.1 mg/m3  OR  Final value 28th day: < 0.04 mg/m3 | EN ISO 1600-6  EN ISO 1600-6 | | | |  |
|  |
| Each detectable compound classified as categories C1A or C1B according to the Regulation (EC) No 1272/2008  Final value 7th day:  OR  Final value 28th day | EN ISO 16000-9 | | | |  |
| **Signature of person bearing  legal responsibility:** | | |  |  | |
| **Company Name in CAPITALS:** | |  |  |  | |
| **Date:** | | |  |  | |
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| Declaration: Criterion 12.1: Technical performance - Quality **(Applicant)** | | | | |
| *I, the undersigned, attach a report describing our approach to ensuring the product meets the technical and functional specifications set for it, including its thermo-hygrometric wellness requirements. This report includes details of the research and development (R&D) process, materials selection and internal testing and verification procedures.* | | | | |
| **Signature of person bearing  legal responsibility:** | |  |  | |
| **Company Name in CAPITALS:** |  |  |  | |
| **Date:** | |  |  | |
| **Company stamp:** | |  |  | |

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| Declaration: Criterion 12.2: Technical performance - Durability **(Applicant)** | | | |
| *I, the undersigned, hereby declare that mattress meets the following functional characteristics:* | | | |
| **Requirement** | **Assessment and  Verification procedure** | **Test Result (test reports  to be attached)** | |
| Loss of height <15% | EN 1957 – Difference between measurements made at 100 cycles and 30,000 cycles of the test |  | |
| Loss of firmness <20% |  | |

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| **Signature of person bearing  legal responsibility:** | |  |  |
| **Company Name in CAPITALS:** |  |  |  |
| **Date:** | |  |  |
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| Declaration: Criterion 12.3: Technical performance - Warranty **(Applicant)** | | | | |
| *I, the undersigned, declare that the warranty period for this product(s) is 10 years (with the exception of cot mattresses) and I attach the warranty documentation, which contains recommendations on how to use, maintain and dispose of the mattress.* | | | | |
| **Signature of person bearing  legal responsibility:** | |  |  | |
| **Company Name in CAPITALS:** |  |  |  | |
| **Date:** | |  |  | |
| **Company stamp:** | |  |  | |

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| Declaration: Criterion 13: Design for disassembly and recovery of materials **(Applicant)** |
| *I, the undersigned, hereby declare that the mattress can be dismantled for the following purposes:*  *• undertaking repairs and replacements of worn-out parts,*  *• upgrading older or obsolete parts,*  *• separating parts and materials for potential recycling.*  *And I attach a report describing how the dismantling can be done and how each part can be disposed of.* |

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| **Signature of person bearing  legal responsibility:** | |  |  |
| **Company Name in CAPITALS:** |  |  |  |
| **Date:** | |  |  |
| **Company stamp:** | |  |  |

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| Declaration: Criterion 14: Information appearing on the EU Ecolabel **(Applicant)** |
| *I, the undersigned, declare that the following information appears on the packaging and/or product:*  *A. If Box 2 of the EU Ecolabel is being used (this is optional):*  *• 'High-quality long-lasting product'*  *• 'Hazardous substances restricted'*  *• 'Indoor air pollution reduced'*  *B. ‘For more information on why this product has been awarded the EU Ecolabel, please visit* [*http://ec.europa.eu/environment/ecolabel/*](http://ec.europa.eu/environment/ecolabel/)  *I also attach a sample of the label.* |

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| **Signature of person bearing  legal responsibility:** | |  |  |
| **Company Name in CAPITALS:** |  |  |  |
| **Date:** | |  |  |
| **Company stamp:** | |  |  |

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| Declaration: Criterion 15: Additional Information to consumers **(Applicant)** |
| *I, the undersigned, declare that consumers of this product are provided with documentation, which contains recommendations on how to use, maintain and dispose of the mattress.*  *I attach the documentation.* |

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| **Signature of person bearing  legal responsibility:** | |  |  |
| **Company Name in CAPITALS:** |  |  |  |
| **Date:** | |  |  |
| **Company stamp:** | |  |  |

1. Trade name, trademarks [↑](#footnote-ref-1)