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| **Annex 1 to the contract**  **according to DE-UZ 217a  THIS ANNEX IS FOR: APPLICANTS** | **Please only use this form!** |

Environmental label for “Paper made from 100% recovered paper for paper bags and boxes“

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| **Applicant:**  (full address) |  |
| **Contact for any questions:** |  |
| **E-mail address:** |  |
| **Telephone:** |  |
| **Trade name of the product:** |  |
| **Functional description of the product** (e.g. masking paper, test liner, etc.)**:** |  |
| **Distributor:**  (full address) (the distributor using the label for advertising purposes) |  |

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| **Paragraph:** | We hereby declare that |
| **3.1** | - the paper fibres in the recycled paper (white/brown) were sourced 100% from recovered paper, |
|  | * only those types of fibres defined according to DIN EN 643:2014-11 were added, |
|  | - for the production of the products, a maximum of 35% of the recovered paper – based on the total content of fibrous raw materials – was sourced from the better grades (group 3) and at least 65% of the recovered paper – based on the total content of fibrous raw materials – was sourced from the ordinary, medium and kraft paper grades and special grades (groups 1, 2, 4 and 5);  - if the grades 2.05.00 ordinary sorted office paper, 2.05.01 sorted office paper, 2.06.00 ordinary sorted coloured letters, 2.06.01 sorted coloured letters, 3.05.01 white wood free letters unprinted, 3.06.00 white business forms and 5.09.00 carbonless copy paper (NCR) were used, the product complies with the requirement according to Paragraph 3.2 (DIPN content),  - recovered paper that is processed to produce items that come into contact with food (food packaging, etc.) was not sourced from general waste sorting plants or multi-component collection processes,   * the grade 5.01.00 (mixed papers) was not added to the product, |
| **3.2** | - if grades of recovered paper containing DIPN (2.05.00, 2.05.01 2.06.00, 2.06.01, 3.05.01, 3.06.00 and 5.09.00) were used as an alternative, an efficient technical system (e.g. deinking) exists that largely removes the DIPN from the fibre cycle and the DIPN content in the finished paper does not exceed a maximum of 50 mg/kg, |
| **3.3** | - the content of bisphenol A and bisphenol S will be determined once a year for statistical purposes by an independent testing institution (certified according to ISO 17025) and submitted to RAL gGmbH, |
| **3.4** | no substances were added as colourants, production aids and paper refining agents that contain constituent components with the following properties:  no substances of very high concern (SVHC) that are included in the so-called “list of candidates” according to Article 59, Paragraph 1 of the REACH regulation (EC/1907/2006)[[1]](#footnote-1) have been added to the product.  No substances were added to the product that   * according to the criteria of Regulation (EC) No 1272/2008 (CLP Regulation) are classified with the following H Phrases named in Table 3-1 or which meet the criteria for such classification or * are classified as carcinogenic, mutagenic or reprotoxic substances in the currently valid version of TRGS 905[[2]](#footnote-2),   Table 3-1: H Phrases according to the CLP Regulation   | H Phrases according to the CLP Regulation | Wording | | --- | --- | | H340 | May cause genetic defects. | | H341 | Suspected of causing genetic defects. | | H350 | May cause cancer. | | H350i[[3]](#footnote-3) | May cause cancer if inhaled. | | H351 | Suspected of causing cancer. | | H360F | May damage fertility. | | H360D | May damage the unborn child. | | H360FD | May damage fertility.  May damage the unborn child. | | H360Fd | May damage fertility.  Suspected of damaging the unborn child. | | H360Df | May damage the unborn child.  Suspected of damaging fertility. | | H361f | Suspected of damaging fertility. | | H361d | Suspected of damaging the unborn child. | | H361fd | Suspected of damaging fertility.  Suspected of damaging the unborn child. | |
| **3.5** | - only those production aids and paper refining agents that are listed in Recommendation XXXVI from the BfR for “Paper and board for food contact”[[4]](#footnote-4) (positive list) in sections B (production aids) and C (special paper refining agents) have been added to the product,  - the maximum quantities and concentrations stated in this list have been observed, |
| **3.6** | - no production aids containing glyoxal or per- and polyfluoroalkyl substances (PFAS) have been used to produce the recycled paper,  - no optical brighteners and coating materials have been added to the product, |
| **3.7** | - no wet strength agents have been used to produce the types of paper according to Paragraph 2;  - the only exception is for paper used to produce bags for organic waste, for which it is permitted to add wet strength agents to the product up to a max. quantity of 1% by mass (mass of the active substance in relation to the mass of the oven dry pulp [[5]](#footnote-5)),  - for paper used to produce bags for organic waste for which it is permitted to add wet strength agents, the wet strength agents do not exceed a max. quantity of 1% by mass, |
| **3.8** | - the recovered paper was processed without the use of chlorine, halogenated bleaching agents and not readily biodegradable complexing agents such as e.g. ehylenediaminetetraacetic acid (EDTA) and diethylenetriaminepentaacetic acid (DTPA), |
| **3.9** | - in the production of the recycled paper, only those slimicides (substances in product type 12) and material preservatives for fibres (substances in product type 9) in the sense of the Biocidal Products Regulation that have been approved in accordance with the Biocidal Products Regulation (EU) No. 528/2012 (EU list of approved active substances) or are still being examined as a notified existing active substance for the relevant type of biocides as part of the EU work programme for the systematic examination of all existing active substances have been used,  - accordingly, only those biocidal products classified in product types 9 and 12 that have been explicitly approved for the desired application have been used,  - for a transitional period, biocidal products that contain notified existing active substances of product types 9 and 12 that are still being examined as part of the EU examination process have been used without approval if they are registered in accordance with the German ordinance on the notification of biocidal products pursuant to the German Chemicals Act (Biocide Notification Ordinance – ChemBiozidMeldeV),  - in addition, the biocidal products used in the product do not contain any substances that have been considered as candidates for substitution according to Article 10 of Regulation (EU) No. 528/2012, - until the approval requirements for the biocidal products containing notified existing active substances come into force, only those substances that are also listed in Recommendation XXXVI from the BfR are permitted,  - insofar as production aids and paper refining agents that can be used for the production of the recycled paper and which are permitted to contain biocidal products of product type 6 (protection of finished products in containers against microbial deterioration to ensure their shelf-life) have been made available on the market (residual content of these biocidal products will be accepted), |
| **3.10** | - all products do not exceed a maximum grade of whiteness of 100% (including the UV proportion) according to ISO 2470 and a maximum CIE whiteness of 135 according to DIN ISO 11475 (brown paper is excluded from this requirement), |
| **3.11** | - for the production of paper bags and boxes according to Paragraph 2, no azo dyes or pigments have been added in colourants that can cleave into one of the amines stated in Regulation (EC) No. 1907/2006, Annex XVII, No. 43, Appendix 8 or 9, or in TRGS 614[[6]](#footnote-6) (see Appendix C of the Basic Award Criteria), |
| **3.12** | - for the production of paper bags and boxes according to Paragraph 2, no colourants (pigments or dyes) containing mercury, lead, cadmium or chromium (VI) compounds as constituent ingredients have been added, |
| **3. 13** | - for the production of paper bags and boxes according to Paragraph 2, no mineral oil-based additives, colourants or base oils that contain aromatic hydrocarbons (with ≥ 10 carbon atoms) as a component have been added.  - in the case of aliphatic hydrocarbons, only those substances with a chain length of C10 to C20 have been added,  - plant-based substitutes for mineral oil are free of genetic engineering and sourced from sustainable cultivation[[7]](#footnote-7), |
| **3.14** | - Appendix 28 of the German Waste Water Ordinance was observed for the production of the recycled paper and an operating journal according to Annex 2 of the German Waste Water Ordinance is kept, |
| **3.14.1** | - in the production of recycled paper, the emission limits for the waste water load that are listed by the EU Commission in the “Best Available Techniques (BAT) Reference Document for the Production of Pulp, Paper and Board PP BREF“[[8]](#footnote-8) have been complied with by direct dischargers. These limits have been implemented in Germany in Appendix 28 of the German Waste Water Ordinance (The limits listed in Table 3-2 go above and beyond the statutory requirements in some cases so that the environmental label can only be used to certify paper that is produced in a particularly environmentally friendly way),  Table 3-2 Maximum limits for the average annual emission parameters (waste water) in the paper production process (not valid for the production of special papers)   |  |  |  | | --- | --- | --- | | Parameter | Maximum limit for waste water emissions  (average annual value as a load or concentration) | | |  | Paper factory with deinking | Paper factory without deinking | | Volumetric flow rate of waste water | <15 m3/Adt | <5 m3/Adt | | COD | < 3 kg/Adt | < 1.2 kg/Adt | | BSB5 | < 0.15 kg/Adt or <25 mg/l | | | AOX | < 0.01 kg/Adt | | | Total N (inorganic + organic N) (TNb) | 0.07 kg/Adt or 15 mg/l | | | Total P | 0.008 kg/Adt or 1.2 mg/l | | |
| **3.14.2** | - indirect dischargers declare compliance with the emission limits for the parameters stated in Table 3-2 after treatment, |
| **3.15** | - the remaining waste materials have been recycled as far as possible,  - in the production of recycled paper, the following waste material limits, including sludge from the treatment of the process water, given as an annual average figure as a dry mass, were not exceeded:  Paper factory with deinking: 250 kg/t of product  Paper factory without deinking: 100 kg/t of product |
| **3.16** | - for the production of recycled paper, the following limits for the consumption of electricity and process heat were not exceeded as an annual average (The paper industry is one of the six most energy-intensive industries in Germany. The Blue Angel also sets incentives in its Basic Award Criteria for companies to further reduce the consumption of heat and electricity at the production sites):  Table 3-3 Maximum limits for the consumption of process heat and electricity in the production of paper (annual average value in kWh/t)   |  |  |  | | --- | --- | --- | |  | Process heat in kWh/t | Electrical power in kWh/t | | Paper factory with deinking | 1,400 | 1,000 | | Paper factory without  deinking | 1,700 | 500 | |
| **3.17** | - if the paper is used for applications that do not come under the scope of DE-UZ 217b, it is not permitted to label them with the Blue Angel logo but instead only the following wording is permitted as a reference to the environmental label: “The paper is made from 100% recovered paper and meets the requirements for the Blue Angel environmental label”. |
| **3.18** | - we have taken note of the fact that any future revision of the environmental label will require verifications that renewable raw materials, which are used e.g. for the production of mineral oil-free colourants, are obtained from responsible, GMO-free sources that are located in the local region as far as possible and have been tested by a suitable certification system. In addition, the proportion of microplastics in the paper used for bags for organic waste will be examined in future.  - the energy generation during the production of the paper will be examined more closely in the future. |

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| **Location:** |  |  |  |
|  |  |  |
| **Date:** |  |  |

**Legally binding signature / company stamp**

1. The version of the list of candidates at the time of application is valid. RAL gGmbH must be notified about any changes to the list of candidates that apply at the time of application. The applicant will be informed if substances have been added that were not previously on the list. [↑](#footnote-ref-1)
2. [http://www.baua.de/nn\_16812/de/Themen-von -A-Z/Gefahrstoffe/TRGS/pdf/TRGS-905.pdf](http://www.baua.de/nn_16812/de/Themen-von%20-A-Z/Gefahrstoffe/TRGS/pdf/TRGS-905.pdf) [↑](#footnote-ref-2)
3. An exception is made for titanium dioxide because its classification is only based on the respirable dust [↑](#footnote-ref-3)
4. <http://bfr.ble.de/kse/faces/DBEmpfehlung.jsp> [↑](#footnote-ref-4)
5. oven dry pulp: oven dry mass of a sample of the pulp after drying to constant mass under defined conditions (105 °C ± 2 °C) [↑](#footnote-ref-5)
6. <https://www.baua.de/DE/Angebote/Rechtstexte-und-Technische-Regeln/Regelwerk/TRGS/TRGS-614.html> [↑](#footnote-ref-6)
7. The following certification systems are considered suitable for renewable raw materials: RSPO (Roundtable on Sustainable Palmoil), ISCC+, ISCC EU (International Sustainable & Carbon Certification) or RSB (Roundtable on Sustainable Biomaterial), Roundtable Responsible Soy (RTRS) und ProTerra (ProTerra Foundation) or a comparable certification system whose scope and requirement standards are equivalent to one of the named certification systems. [↑](#footnote-ref-7)
8. BREF (Best Available Techniques Reference Document) full version and BAT conclusions in German and English at <https://www.umweltbundesamt.de/themen/wirtschaft-konsum/beste-verfuegbare-techniken/sevilla-prozess/bvt-merkblaetter-durchfuehrungsbeschluesse> [↑](#footnote-ref-8)