Environmental
Product
Declaration

In accordance with ISO 14025:2006 for:

**[*Product name*]**

from

**[*Company name*]**

*[Company logotype placeholder*]

|  |  |
| --- | --- |
| Programme: | The International EPD® System, [www.environdec.com](http://www.environdec.com) |
| Programme operator: | EPD International AB |
| EPD registration number: | S-P-0XXXX |
| Publication date: | 202X-XX-YY |
| Valid until: | 202X-XX-YY |
|  |  |
|  | *An EPD should provide current information and may be updated if conditions change. The stated validity is therefore subject to the continued registration and publication at www.environdec.com* |

[Product image]

Programme information

|  |  |
| --- | --- |
| **Programme:** | The International EPD® System |
| **Address:** | EPD International AB Box 210 60 SE-100 31 StockholmSweden |
| **Website:** | [www.environdec.com](http://www.environdec.com) |
| **E-mail:** | info@environdec.com |

|  |
| --- |
| **Accountabilities for PCR, LCA and independent, third-party verification** |
| **Product Category Rules (PCR)** |
| PCR: *<name, registration number, version and UN CPC code(s)>* |
| PCR review was conducted by: *<name and organisation of the review chair, and information on how to contact the chair through the programme operator>* |
| **Life Cycle Assessment (LCA)** |
| LCA accountability: *<name, organization>* |
| **Third-party verification** |
| Independent third-party verification of the declaration and data, according to ISO 14025:2006, via:[ ]  EPD verification by individual verifier Third-party verifier: *<name, organisation, and signature of the third-party verifier>*Approved by: The International EPD® System |
| **OR** |
| Independent third-party verification of the declaration and data, according to ISO 14025:2006, via:[ ]  EPD verification by accredited certification body Third-party verification: *<name, organisation>* is an approved certification body accountable for the third-party verificationThe certification body is accredited by: *<name of accreditation body & accreditation number, where applicable>* |
| **OR** |
| Independent third-party verification of the declaration and data, according to ISO 14025:2006 via:[ ]  EPD verification by EPD Process Certification\*Internal auditor: *<name, organisation>* Third-party verification: *<name, organisation>* is an approved certification body accountable for third-party verification Third-party verifier is accredited by: *<name of accreditation body & accreditation number, where applicable>*\*For EPD Process Certification, an accredited certification body certifies and reviews the management process and verifies EPDs published on a regular basis. For details about third-party verification procedure of the EPDs, see GPI. |
| Procedure for follow-up of data during EPD validity involves third-party verifier:[ ]  Yes [ ]  No[Procedure for follow-up the validity of the EPD is at minimum required once a year with the aim of confirming whether the information in the EPD remains valid or if the EPD needs to be updated during its validity period. The follow-up can be organized entirely by the EPD owner or together with the original verifier via an agreement between the two parties. In both approaches, the EPD owner is responsible for the procedure being carried out. If a change that requires an update is identified, the EPD shall be re-verified by a verifier] |

The EPD owner has the sole ownership, liability, and responsibility for the EPD.

EPDs within the same product category but registered in different EPD programmes may not be comparable. For two EPDs to be comparable, they must be based on the same PCR (including the same version number) or be based on fully-aligned PCRs or versions of PCRs; cover products with identical functions, technical performances and use (e.g. identical declared/functional units); have equivalent system boundaries and descriptions of data; apply equivalent data quality requirements, methods of data collection, and allocation methods; apply identical cut-off rules and impact assessment methods (including the same version of characterisation factors); have equivalent content declarations; and be valid at the time of comparison. For further information about comparability, see ISO 14025.

Company information

Owner of the EPD: [Company]

Contact: [Contact information (Name, Phone, E-Mail, Address)]

Description of the organisation: [...]

Product-related or management system-related certifications: [e.g. ISO 14024 Type I environmental labels, ISO 9001- and 14001-certificates, EMAS-registrations, SA 8000, supply chain management and social responsibility]

Name and location of production site: [...]

See the GPI and the PCR for other required company information.

Product information

Product name: [...]

Product identification: [unambiguous identification of the product by standards, concessions, or other means]

Product description: [product description, application/intended use, technical functions, e.g. expected service life time]

UN CPC code: [...]

Other codes for product classification: [e.g. GTIN, CPV, UNSPSC, NACE/CPA, ANZSIC]

Geographical scope: Choose an item.

[for which geographical location(s) of use and end-of-life the product’s performance has been calculated]

LCA information

Functional unit / declared unit: [...]

Reference service life: [where applicable]

Time representativeness: [declaration of the year(s) covered by the data used for the LCA calculation and other relevant reference years]

Database(s) and LCA software used: [where relevant]

System diagram: [processes included in the LCA, divided into the lifecycle stages]

Description of system boundaries: [e.g. cradle-to-gate, cradle-to-gate with options, or cradle-to-grave]

Excluded lifecycle stages: [information on which lifecycle stages are not considered (if any), with a justification for the omission]

More information: [any relevant websites for more information or explanatory materials]

Name and contact information of LCA practitioner: optional, name and contact information of the organisation carrying out the underlying LCA study

Additional information: optional, any additional information about the underlying LCA-based information, such as assumptions, cut-off rules, data quality, and allocation

Content declaration

**Product**

|  |  |  |  |
| --- | --- | --- | --- |
| Product components | [Unit] | % | Environmental / hazardous properties |
| Material 1 / Chemical substance 1  |  |  |  |
| Material 2 / Chemical substance 2 |  |  |  |
| ... |  |  |  |
| TOTAL |  |  |  |

**Packaging**

Distribution packaging: [Information and content declaration of the distribution packaging]

Consumer packaging: [Information and content declaration of the consumer packaging]

**Recycled material**

Provenience of recycled materials (pre-consumer or post-consumer) in the product: [Information and content declaration of recycled materials in the product]

Results of the environmental performance indicators

**Impact category indicators**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| PARAMETER | UNIT | Upstream | Core  | Downstream | TOTAL |
| Global warming potential (GWP) | Fossil | kg CO2 eq. |  |  |  |  |
| Biogenic | kg CO2 eq. |  |  |  |  |
| Land use and land transformation | kg CO2 eq. |  |  |  |  |
| TOTAL | kg CO2 eq. |  |  |  |  |
| Ozone layer depletion (ODP) | kg CFC 11 eq. |  |  |  |  |
| Acidification potential (AP) | mol H+ eq. |  |  |  |  |
| Eutrophication potential (EP) | Aquatic freshwater | kg P eq. |  |  |  |  |
| Aquatic marine | kg N eq. |
| Aquatic terrestrial | mol N eq. |
| Photochemical oxidant creation potential (POCP) | kg NMVOC eq. |  |  |  |  |
| Abiotic depletion potential (ADP)\* | Metals and minerals | kg Sb eq. |  |  |  |  |
| Fossil resources | MJ, net calorific value |  |  |  |  |
| Water deprivation potential (WDP)\* | m3 world eq. deprived |  |  |  |  |

*\* Disclaimer: The results of this environmental impact indicator shall be used with care as the uncertainties of these results are high or as there is limited experience with the indicator.*

**Resource use indicators**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| PARAMETER | UNIT | Upstream | Core | Downstream | TOTAL |
| Primary energy resources – Renewable | Use as energy carrier | MJ, net calorific value |  |  |  |  |
| Used as raw materials | MJ, net calorific value |  |  |  |  |
| TOTAL | MJ, net calorific value |  |  |  |  |
| Primary energy resources – Non-renewable | Use as energy carrier | MJ, net calorific value |  |  |  |  |
| Used as raw materials | MJ, net calorific value |  |  |  |  |
| TOTAL | MJ, net calorific value |  |  |  |  |
| Secondary material (optional) | kg |  |  |  |  |
| Renewable secondary fuels (optional) | MJ, net calorific value |  |  |  |  |
| Non-renewable secondary fuels (optional) | MJ, net calorific value |  |  |  |  |
| Net use of fresh water (optional) | m3 |  |  |  |  |

**Waste indicators (optional)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| PARAMETER | UNIT | Upstream | Core | Downstream | TOTAL |
| Hazardous waste disposed | kg |  |  |  |  |
| Non-hazardous waste disposed | kg |  |  |  |  |
| Radioactive waste disposed | kg |  |  |  |  |

**Output flow indicators (optional)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| PARAMETER | UNIT | Upstream | Core | Downstream | TOTAL |
| Components for reuse | kg |  |  |  |  |
| Material for recycling | kg |  |  |  |  |
| Materials for energy recovery | kg |  |  |  |  |
| Exported energy, electricity | MJ per energy carrier |  |  |  |  |
| Exported energy, thermal | MJ per energy carrier |  |  |  |  |

*The result tables shall only contain values or the letters “INA” (Indicator Not Assessed). It is not possible to specify INA for mandatory indicators. INA shall only be used for voluntary parameters that are not quantified because no data is available.*

**Other environmental performance indicators**

Results for other environmental performance indicators may also be declared. See the PCR for guidance.

Additional environmental information

An EPD may include additional environmental information, in addition to the LCA results of the section on environmental performance results. The additional environmental information may cover various aspects of specific relevance for the product, for example:

* instruction for proper use of the product, e.g. to minimise the energy or water consumption or to improve the durability of the product;
* instructions for proper maintenance and service of the product;
* information on key parts of the product determining its durability;
* information on recycling including e.g. suitable procedures for recycling the entire product or selected parts and the potential environmental benefits gained;
* information on a suitable method of reuse of the product (or parts of the products) and procedures for disposal as waste at the end of its life cycle,
* information regarding disposal of the product or inherent materials, and any other information considered necessary to minimise the product’s end-of-life impacts,
* a more detailed description of an organisation’s overall environmental work such as:
	+ the existence of a quality or environmental management system or any type of organised environmental activity, and
	+ information on where interested parties may find more details about the organisation’s environmental work.

Additional environmental information can also include information on carbon offset, carbon storage and delayed emissions, or on release of dangerous substances to indoor air, soil and water during the use stage.

The PCR shall give further information on relevant additional information to include in the EPD.

**Additional social and economic information**

The EPD may also include other relevant social and economic information as additional and voluntary information. This may be product information or a description of an organisation’s overall work on social or economic sustainability, such as activities related to supply chain management or social responsibility.

Any additional social and economic information declared shall be substantiated and verifiable, and be derived using appropriate methods and be specific, accurate, not misleading, and relevant to the specific product. Quantitative information is preferred over qualitative information.

Information related to Sector EPD

*For sector EPDs, the following information shall be included:*

* *a list of the contributing manufacturers that the Sector EPD covers,*
* *a description of how the selection of the sites/products has been done and how the average has been determined, and*
* *a statement that the document covers average values for an entire or partial product category (specifying the percentage of representativeness) and, hence, the declared product is an average that is not available for purchase on the market*

Differences versus previous versions

*For EPDs that have been updated, the following information shall be included:*

* *a description of the differences versus previously published versions, e.g. a description of the percentage change in results and the main reason for the change;*
* *revision date on the cover page* *(see Section 9.5.1 in GPI 4).*

References

General Programme Instructions of the International EPD® System. Version X.Y.

PCR 20xx:yy. Name. Version

Other references



www.environdec.com