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|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------|----------------|
|  | <b>Certification program ZP 0800_VZB</b><br><b>Conformity assessment of pre-, intermediate</b><br><b>and constituent products according to (EU)</b><br><b>2024/367 and (EU) 2024/368</b> |  | 50800_VZ-01-E-GB |                |
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## **Certification program ZP 0800\_VZB** **by DVGW CERT GmbH, Bonn**

## **Certification program ZP 0800\_VZB** **Conformity assessment of pre-, interme-** **diate and constituent products according** **to (EU) 2024/367 and (EU) 2024/368**

English translation – only the German document version is legally binding

|                                                                                   |                                                                                                                                                                                          |  |                  |                |
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## 1 Certification procedure

Products European, procedures for the certification of pre- and intermediate products as well as constituents of cementitious materials in accordance with Implementing Decisions (EU) 2024/367 and (EU) 2024/

## 2 Accreditation

The procedure is accredited under No. D-ZE-16028-01 by the “Deutsche Akkreditierungsstelle GmbH” (DAkkS), Berlin.

## 3 Certification mark

DVGW CERT conformity mark of hygiene



Registration number scheme: HW-0871DR0001

HW = DVGW CERT conformity mark for hygiene,  
 0871 = Product code, DR =2026, 0001 = Serial number

## 4 Typ of certificate

Issuance of a conformity certificate is valid for 5 years.

## 5 Scope

This certification program describes the conformity assessment of the suitability for drinking water hygiene of pre- and intermediate products, as well as constituents of cementitious materials. The certification supports the European conformity assessment in accordance with Module B of Decision No. 768/2008/EC for products that come into contact with water intended for human consumption. The conformity assessment procedure covers pre- and intermediate products made of organic materials, as well as constituents of cementitious materials and enamel.

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| Product group                                                     | Product code | Product type                                                       |
|-------------------------------------------------------------------|--------------|--------------------------------------------------------------------|
| Hygienic suitability according to (EU) 2024-367 and (EU) 2024-368 | 0871         | Pre-product made of organic materials                              |
|                                                                   | 0872         | Pre-product made of thermoplastic elastomer                        |
|                                                                   | 0873         | Pre-product made of enamel (frits)                                 |
|                                                                   | 0874         | Intermediate product made of thermoplastic elastomer               |
|                                                                   | 0875         | Intermediate product made of organic materials (e.g. PE-Xa, PE-Xb) |
|                                                                   | 0876         | Intermediate product made of thermoplastic elastomer               |
|                                                                   | 0877         | Intermediate product made of silicone                              |
|                                                                   | 0878         | Generic (except organic) constituents of cementitious materials    |
|                                                                   | 0879         | Organic constituents of cementitious materials                     |
|                                                                   | 0880         | Pre-product made of metal                                          |

## 6 Testing laboratories

Testing laboratories accredited according to EN ISO/IEC 17025 for the test principles specified in Implementing Decision (EU) 2024/368 and contractually bound to DVGW CERT GmbH.

## 7 Requirements

The materials for pre-, intermediate and constituent products that come into contact with water intended for human consumption, must meet the criteria for passing the material specific tests required in Implementing Decision (EU) 2024/368. The tests must be carried out not on the pre-, intermediate and constituent products, but on test pieces manufactured from them. The manufacture and sampling of test pieces used for the testing and certification of pre-, intermediate and component products must be audited and documented by the conformity assessment body. In the case of component products, a standardised cement matrix must be used in the manufacture of the test specimen.

## 8 Tests

The drinking water hygiene tests are specified for each material or substance, depending on the risk or product groups specified in Implementing Decision (EU) 2024/368. The manufacturer shall commission a testing body to perform the type examination in accordance with Chapter 7 of this certification program.

### 8.1 Testing of pre- and intermediate products made of organic materials

#### 8.1.1 Formulation review

The manufacturer must disclose the formulation to the certification body for pre- and intermediate products up to risk group RG3. The starting materials listed in the formulation must correspond to the approved starting materials in Annex I of the European positive lists (EU) 2024/367.

Documented information regarding the formulation is subject to confidentiality. Any changes to the formulation must be reported to the certification body immediately.

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|                                                                                   |                                                                                                                                                                                          |  | Status           | 30.06.2026     |

The formulation review by DVGW CERT GmbH is conducted in accordance with ZP 1000\_RZ. Assessments by other conformity assessment bodies that are accredited under EN ISO/IEC 17065 and list Implementing Decision (EU) 2024/367 within their scope of application may be recognized.

Note: It is advisable to conduct the type examination (Module B) only after a successful formula test.

### 8.1.2 Type examination (hygiene) of organic materials

As part of the type testing, the tests listed in Table 1 must be performed. The relevant requirement for passing the test, as specified in Implementing Decision (EU) 2024/368, must be met. The migration test is performed in cold water ( $23\text{ °C} \pm 2\text{ °C}$ ) using chlorinated and unchlorinated test water; for higher application temperatures or multilayer products, the test is additionally performed with unchlorinated warm water ( $60\text{ °C} \pm 2\text{ °C}$ ) or hot water ( $85\text{ °C} \pm 2\text{ °C}$ ).

|                                                                                   |                                                                                                                                                                      |  |                  |                |
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| No. | Test                                                | Standard                                                                                                                                                                                                                                                                 | Note                                                                                                                |
|-----|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| 1   | Migration tests                                     | To obtain the migration waters for analysis :<br>- relevant-, unexpected substances and TOC according to<br>a) EN 12873-1 for factory-made products<br>b) EN 12873-1 for locally produced materials<br>- Odor and taste, colour and turbidity in accordance with EN 1420 |                                                                                                                     |
| 1.1 | GC-MS-Screening                                     | EN 15768<br>EN 12873-1 or<br>EN 12873-2                                                                                                                                                                                                                                  | Screening for unexpected substances in cold water                                                                   |
| 1.2 | Relevant Substances                                 | According to formulation,<br>EN 12873-1 or<br>EN 12873-2                                                                                                                                                                                                                 | RG1 to RG3: Formulation ingredients, impurities, degradation or reaction products, ... (see 2.2.2 of (EU) 2024/368) |
| 1.3 | TOC                                                 | EN 1484 and<br>EN 12873-1 or<br>EN 12873-2                                                                                                                                                                                                                               | Total organic carbon                                                                                                |
| 1.4 | Odor                                                | EN 1622 and<br>EN 1420                                                                                                                                                                                                                                                   | Threshold Odour Number, TON                                                                                         |
| 1.5 | Taste                                               | EN 1622 and<br>EN 1420                                                                                                                                                                                                                                                   | Threshold Flavour Number, TFN                                                                                       |
| 1.6 | Colour                                              | EN ISO 7887<br>and EN 1420                                                                                                                                                                                                                                               | Methode C                                                                                                           |
| 1.7 | Turbidity                                           | EN ISO 7027-1<br>and EN 1420                                                                                                                                                                                                                                             | Nephelometry                                                                                                        |
| 1.8 | modelling or simulating full transfer of substances | CEN/TR 16364<br>or equivalent                                                                                                                                                                                                                                            | As an alternative to the migration test (1.2) for the relevant substances                                           |
| 2   | Enhancement of Microbial Growth (EMG)               | EN 16421                                                                                                                                                                                                                                                                 | Methode 1 or 2                                                                                                      |
| 3   | residual content of substances                      | In accordance with formulation                                                                                                                                                                                                                                           | Starting substances with a maximum quantity (QM or QMA) restriction in the European positive lists (EU) 2024-367    |

**Table 1:** Type examination of for pre- and intermediate products for final organic materials in products according to Annex I of (EU) 2024/368

## 8.2 Testing of metallic materials

An analysis of the composition of the metallic materials shall be performed to verify compliance with the compositional requirements of metallic materials included in the European positive list of metallic compositions in Annex II of Commission Implementing Decision (EU) 2024/367. The methods of analysis shall be validated and documented in accordance with EN ISO/IEC 17025:2017 or other equivalent standards accepted at international level.

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### 8.3 Testing of enamel

#### 8.3.1 Composition review

The manufacturer must disclose the formulation to the certification body for pre- and intermediate products up to risk group RG4. The starting materials listed in the formulation must correspond to the approved starting materials in Annex IV of the European positive lists (EU) 2024/367.

Documented information regarding the composition is subject to confidentiality. Any changes to the composition must be reported to the certification body immediately.

The formulation review by DVGW CERT GmbH is conducted in accordance with ZP 1000\_RZ. Assessments by other conformity assessment bodies that are accredited under EN ISO/IEC 17065 and list Implementing Decision (EU) 2024/367 within their scope of application may be recognized.

**Note:** It is advisable to conduct the type examination (Module B) only after a successful formula test.

#### 8.3.2 Type examination (hygiene) of enamel

As part of the type testing, the tests listed in Table 1 must be performed. The relevant requirement for passing the test, as specified in Implementing Decision (EU) 2024/368, must be met. The migration test is performed in cold water ( $23\text{ °C} \pm 2\text{ °C}$ ) or for higher application temperatures the test is additionally performed in warm water ( $60\text{ °C} \pm 2\text{ °C}$ ) or hot water ( $85\text{ °C} \pm 2\text{ °C}$ ). If a PAH analysis<sup>1)</sup> is required, the cold water ( $23\text{ °C} \pm 2\text{ °C}$ ) testing is additionally performed with chlorinated water.

| No. | Test                | Standard                                                                                              | Note           |
|-----|---------------------|-------------------------------------------------------------------------------------------------------|----------------|
| 1   | Migration testing   | Preparation of migration waters for the analysis of relevant substances in accordance with EN 12873-1 |                |
| 1.1 | Relevant substances | In accordance with the composition and EN 12873-1                                                     | For RG1 to RG4 |

**Table 2:** Type examination of pre-, intermediate and constituent products made of enamel according to Annex IV of (EU) 2024/368

#### 8.3.3 Testing of generic and organic constituents of cementitious materialsAssessment of the composition

The manufacturer must disclose the composition to the certification body for constituents up to risk group RG3. The ingredients listed in the composition must correspond to the approved starting materials set out in Annexes III and I of the European positive lists (EU) 2024/367.

Documented information on the composition is subject to confidentiality. Any changes to the composition must be reported to the certification body without delay.

<sup>1)</sup> PAH - Polycyclic aromatic hydrocarbons

|                                                                                   |                                                                                                                                                                                          |  |                  |                |
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The review of the composition of DVGW CERT GmbH is carried out in accordance with ZP 1000\_RZ. Assessments by other conformity assessment bodies that are accredited in accordance with EN ISO/IEC 17065 and list Implementing Decision (EU) 2024/367 within their scope of application may be recognised.

**Note:** It is advisable to conduct the type examination (Module B) only after a successful formula test.

#### 8.3.4 Type testing (hygiene) of constituents of cementitious materials

As part of the type examination, the tests set out in Table 3 must be carried out. The relevant requirement for passing the test, as set out in Implementing Decision (EU) 2024/368, must be met. The migration test for organic constituents shall be carried out in cold water ( $23\text{ °C} \pm 2\text{ °C}$ ) using chlorinated and unchlorinated test water; in the case of higher application temperatures or multi-layer products, the test shall additionally be carried out using unchlorinated warm water ( $60\text{ °C} \pm 2\text{ °C}$ ) or hot water ( $85\text{ °C} \pm 2\text{ °C}$ ).

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| No. | Test                                                | Standard                                                                                                                                                                                                                                                                 | Note                                                                                                                |
|-----|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| 1   | Migration tests                                     | To obtain the migration waters for analysis :<br>- relevant-, unexpected substances and TOC according to<br>a) EN 12873-1 for factory-made products<br>b) EN 12873-1 for locally produced materials<br>- Odor and taste, colour and turbidity in accordance with EN 1420 |                                                                                                                     |
| 1.1 | GC-MS-Screening                                     | EN 15768<br>EN 12873-1 or<br>EN 12873-2                                                                                                                                                                                                                                  | Screening for unexpected substances in cold water                                                                   |
| 1.2 | Relevant Substances                                 | According to formulation,<br>EN 12873-1 or<br>EN 12873-2                                                                                                                                                                                                                 | RG1 to RG3: Formulation ingredients, impurities, degradation or reaction products, ... (see 2.2.2 of (EU) 2024/368) |
| 1.3 | TOC                                                 | EN 1484 and<br>EN 12873-1 or<br>EN 12873-2                                                                                                                                                                                                                               | Total organic carbon                                                                                                |
| 1.4 | Odor                                                | EN 1622 and<br>EN 1420                                                                                                                                                                                                                                                   | Threshold Odour Number, TON                                                                                         |
| 1.5 | Taste                                               | EN 1622 and<br>EN 1420                                                                                                                                                                                                                                                   | Threshold Flavour Number, TFN                                                                                       |
| 1.6 | Colour                                              | EN ISO 7887<br>and EN 1420                                                                                                                                                                                                                                               | Methode C                                                                                                           |
| 1.7 | Turbidity                                           | EN ISO 7027-1<br>and EN 1420                                                                                                                                                                                                                                             | Nephelometry                                                                                                        |
| 1.8 | modelling or simulating full transfer of substances | CEN/TR 16364<br>or equivalent                                                                                                                                                                                                                                            | As an alternative to the migration test (1.2) for the relevant substances                                           |
| 2   | Enhancement of Microbial Growth (EMG)               | EN 16421                                                                                                                                                                                                                                                                 | Methode 1 or 2                                                                                                      |
| 3   | residual content of substances                      | In accordance with formulation                                                                                                                                                                                                                                           | Starting substances with a maximum quantity (QM or QMA) restriction in the European positive lists (EU) 2024-367    |

**Table 3:** Type examination of constituents of cementitious materials in accordance with Annex III to (EU) 2024/368

## 9 Surveillance

### 9.1 General

It must be ensured that the product remains suitable for use with drinking water throughout its manufacture, assembly, storage and transport.

### 9.2 Factory production control (FPC)

The manufacturer must plan and carry out its own production controls in according to Module C of Decision No 768/2008/EC, so that the production process and its monitoring ensure that the products manufactured conform to the approved type described in the EC type-examination certificate and to the requirements of the relevant legislation. The manufacturer is responsible for the production control system.

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### 9.3 Surveillance inspection (external surveillance)

An annually external surveillance for inspection of the factory production control including sampling of test pieces for control tests is not envisaged.

## 10 Scope of the certificates

### 10.1 Pre-products

As the manufacturing process influences the properties of the final product, the scope of a pre-product certificate is limited to the audited manufacturing process. The manufacturing process, the parameters used and the intended use must be specified on the certificate. An intended use with a higher conversion factor (e.g. fittings, B1) also covers an intended use with a lower conversion factor (e.g. fittings B2 or components for fittings C1). All tests which, according to Implementing Decision (EU) 2024/367, are to be carried out “on the product” or “on the component” must be repeated on the final product, even if a preliminary product certificate is available. An overview of the possible scope of coverage provided by a preliminary product certificate can be found in Annex 1.

### 10.2 Intermediate products

As the manufacturing process influences the properties of the final product, the scope of an intermediate product certificate is limited to the audited manufacturing process. The manufacturing process, the parameters used and the intended use must be specified on the certificate. An intended use with a higher conversion factor (e.g. fittings, B1) also covers an intended use with a lower conversion factor (e.g. fittings B2 or components for fittings C1). As chemical processes take place during the manufacture of final products from intermediate products (e.g. curing of rubber or cross-linking of plastics), for risk groups RG1 and RG2 only the formulation assessment and the test regarding the promotion of microorganism growth can be covered by an intermediate product certificate (For pipes A1, only formulation assessment). An overview of the possible coverage provided by an intermediate product certificate can be found in Annex 2.

### 10.3 Constituent products

For the testing of constituent products, test piece containing a standardised cement matrix must be used. The manufacturing process, the parameters used and the intended use must be specified on the certificate. Constituent products certificates are valid for products and components classified in any risk group. This means if the constituent product is certified by a notified conformity assessment body the formulation of the constituent product does not have to be provided to the conformity assessment body of the final material and no further testing related to this constituent product is required.

## 11 Marking

The marking requirement for products, their packaging and accompanying documentation in accordance with Delegated Regulation (EU) 2024/371 must NOT be applied to precursors and intermediate products.

|                                                                                   |                                                                                                                                                                                          |  |                  |                |
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## 12 Related documents

In the case of undated references, the current edition of the documents listed below shall apply in each instance.

- <40014> Rules of Procedure for the Certification of Non-harmonized Products
- <40016\_EU> Rules of procedure for the implementation of the conformity assessment procedure according to EU Drinking Water Directive 2020/2184 and Delegated Regulation (EU) 2024/370 as well as Implementing Decision (EU) 2024/367 and (EU) 2024/386
- Directive (EU) 2020/2184 of the European parliament and of the council of 16 December 2020 on the quality of water intended for human consumption (recast), European drinking water directive (EU-DWD)
- Decision No 768/2008/EC of the European parliament and of the council of 9 July 2008 on a common framework for the marketing of products, and repealing Council Decision 93/465/EEC
- Commission Implementing Decision (EU) 2024/367 of 23 January 2024 laying down rules for the application of Directive (EU) 2020/2184 of the European Parliament and of the Council by establishing the European positive lists of starting substances, compositions and constituents authorised for use in the manufacture of materials or products that come into contact with water intended for human consumption
- Commission Implementing Decision (EU) 2024/368 of 23 January 2024 laying down rules for the application of Directive (EU) 2020/2184 of the European Parliament and of the Council as regards the procedures and methods for testing and accepting final materials as used in products that come into contact with water intended for human consumption
- DIN EN 1420:2016-05  
Influence of organic materials on water intended for human consumption - Determination of odour and flavour assessment of water in piping systems; German version EN 1420:2016
- DIN EN 1484:2019-04  
Water analysis - Guidelines for the determination of total organic carbon (TOC) and dissolved organic carbon (DOC); German version EN 1484:1997
- DIN EN 10204:2005-01  
Metallic products - Types of inspection documents; German version EN 10204:2004
- DIN EN 12873-1:2014-09  
Influence of materials on water intended for human consumption - Influence due to migration - Part 1: Test method for factory-made products made from or incorporating organic or glassy (porcelain/vitreous/enamel) materials; German version EN 12873-1:2014
- DIN EN 12873-2:2022-02  
Influence of materials on water intended for human consumption - Influence due to migration - Part 2: Test method for non-metallic and non-cementitious site-applied materials; German version EN 12873-2:2021
- DIN EN 15768:2015-05  
Influence of materials on water intended for human consumption - GC-MS identification of water leachable organic substances; German version EN 15768:2015

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- DIN CEN/TR 16364:2012-09 / DIN SPEC 19811:2012-09  
Influence of materials on water intended for human consumption - Influence due to migration - Prediction of migration from organic materials using mathematical modelling; German version CEN/TR 16364:2012
- DIN EN 16421:2015-05  
Influence of materials on water for human consumption - Enhancement of microbial growth (EMG); German version EN 16421:2014
- DIN EN ISO 7027-1:2016-11  
Water quality - Determination of turbidity - Part 1: Quantitative methods (ISO 7027-1:2016); German version EN ISO 7027-1:2016
- DIN EN ISO 7887:2012-04  
Water quality - Examination and determination of colour (ISO 7887:2011); German version EN ISO 7887:2011

### 13 Period of validity

This certification programme comes into effect on 6 May 2026.

|                                                                                   |                                                                                                                                                                                          |  |                  |                |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------|----------------|
|  | <b>Certification program ZP 0800_VZB</b><br><b>Conformity assessment of pre-, intermediate</b><br><b>and constituent products according to (EU)</b><br><b>2024/367 and (EU) 2024/368</b> |  | 50800_VZ-01-E-GB |                |
|                                                                                   |                                                                                                                                                                                          |  | Doc.-Type        | ZP             |
|                                                                                   |                                                                                                                                                                                          |  | Author           | DVGW CERT GmbH |
|                                                                                   |                                                                                                                                                                                          |  | Status           | 30.06.2026     |

## 14 Annex

### Annex 1 Possible coverage of a pre-product certificate

| Product group <sup>1</sup> | CF in d/dm | RG  | Formulation | Relevant sub-<br>stances | unexpected substances | TOC | TON, TFN, colour, turbidity | EMG |
|----------------------------|------------|-----|-------------|--------------------------|-----------------------|-----|-----------------------------|-----|
| A1                         | 20         | RG1 | √           | X                        | X                     | X   | X                           | X   |
| A2                         | 20         | RG1 | √           | X                        | X                     | X   | X                           | √   |
| A3                         | 5          |     |             |                          |                       |     |                             |     |
| E1                         | 4          |     |             |                          |                       |     |                             |     |
| B1                         | 2          | RG2 | √           | √                        | √                     | X   | X                           | √   |
| E2                         | 2          |     |             |                          |                       |     |                             |     |
| B2                         | 1          |     |             |                          |                       |     |                             |     |
| E3                         | 1          |     |             |                          |                       |     |                             |     |
| B3                         | 0,5        |     |             |                          |                       |     |                             |     |
| F1                         | 0,4        |     |             |                          |                       |     |                             |     |
| C1                         | 0,2        | RG3 | √           | √                        | √                     | √   | √                           | √   |
| F2                         | 0,2        |     |             |                          |                       |     |                             |     |
| C2                         | 0,1        |     |             |                          |                       |     |                             |     |
| F3                         | 0,1        |     |             |                          |                       |     |                             |     |
| C3                         | 0,05       |     |             |                          |                       |     |                             |     |
| G1                         | 0,04       | RG4 | n.r.        | n.r.                     | √                     | √   | √                           | √   |
| D1                         | 0,02       |     |             |                          |                       |     |                             |     |
| G2                         | 0,02       |     |             |                          |                       |     |                             |     |
| D2                         | 0,01       |     |             |                          |                       |     |                             |     |
| G3                         | 0,01       |     |             |                          |                       |     |                             |     |
| D3                         | 0,005      |     |             |                          |                       |     |                             |     |

<sup>1</sup>Product groups according to (EU) 2024/368 Annex 1, Table 2.

CF = Conversion factor, RG =Risk group, TOC = total organic carbon, TON = Threshold odour number, TFN = Threshold flavour number, EMG = Enhancement of Microbial Growth

√ = covered; X = Further testing of the final product is required; n.r. = not required

|                                                                                   |                                                                                                                                                                                          |  |                  |                |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------|----------------|
|  | <b>Certification program ZP 0800_VZB</b><br><b>Conformity assessment of pre-, intermediate</b><br><b>and constituent products according to (EU)</b><br><b>2024/367 and (EU) 2024/368</b> |  | 50800_VZ-01-E-GB |                |
|                                                                                   |                                                                                                                                                                                          |  | Doc.-Type        | ZP             |
|                                                                                   |                                                                                                                                                                                          |  | Author           | DVGW CERT GmbH |
|                                                                                   |                                                                                                                                                                                          |  | Status           | 30.06.2026     |

## Annex 2 Possible coverage of a pre-product certificate

| Product group | CF in d/dm | RG  | Formulation | Relevant substances | unexpected substances | TOC | TON, TFN, colour, turbidity | EMG |
|---------------|------------|-----|-------------|---------------------|-----------------------|-----|-----------------------------|-----|
| A1            | 20         | RG1 | √           | X                   | X                     | X   | X                           | X   |
| A2            | 20         |     | √           | X                   | X                     | X   | X                           | √   |
| A3            | 5          |     |             |                     |                       |     |                             |     |
| E1            | 4          |     |             |                     |                       |     |                             |     |
| B1            | 2          | RG2 | √           | X                   | X                     | X   | X                           | √   |
| E2            | 2          |     |             |                     |                       |     |                             |     |
| B2            | 1          |     |             |                     |                       |     |                             |     |
| E3            | 1          |     |             |                     |                       |     |                             |     |
| B3            | 0,5        |     |             |                     |                       |     |                             |     |
| F1            | 0,4        |     |             |                     |                       |     |                             |     |
| C1            | 0,2        | RG3 | √           | √                   | √                     | √   | √                           | √   |
| F2            | 0,2        |     |             |                     |                       |     |                             |     |
| C2            | 0,1        |     |             |                     |                       |     |                             |     |
| F3            | 0,1        |     |             |                     |                       |     |                             |     |
| C3            | 0,05       |     |             |                     |                       |     |                             |     |
| G1            | 0,04       |     |             |                     |                       |     |                             |     |
| D1            | 0,02       | RG4 | n.r.        | n.r.                | √                     | √   | √                           | √   |
| G2            | 0,02       |     |             |                     |                       |     |                             |     |
| D2            | 0,01       |     |             |                     |                       |     |                             |     |
| G3            | 0,01       |     |             |                     |                       |     |                             |     |
| D3            | 0,005      |     |             |                     |                       |     |                             |     |

<sup>1</sup>Product groups according to (EU) 2024/368 Annex 1, Table 2

CF = Conversion factor, RG =Risk group, TOC = total organic carbon, TON = Threshold odour number, TFN = Threshold flavour number, EMG = Enhancement of Microbial Growth

√ = covered; X = Further testing of the final product is required; n.r. = not required