

	Certification Programme ZP 0800 Confirmation of conformity regarding suitability for drinking water based on a type test		50800-06-P-GB	
			Doc. type	ZP
			Author	DVGW CERT GmbH
			Status	27.08.2026

Certification Programme ZP 0800 **of DVGW CERT GmbH, Bonn**

National **Certificate of Conformity** **of suitability for drinking water hygiene** **based on a type test**

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1 Certification procedure

Products: Water – national (non-harmonised area)

2 Accreditations

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

3 Certification mark

DVGW CERT Hygiene Conformity Mark



0801 = product code, DN = 2022, 0001 = serial no.

Registration number scheme: HW-0801DN0001

HW = DVGW CERT Hygiene Conformity Mark

4 Type of certificate and test procedure

Confirmation of conformity (valid for 5 years) based on a type test

5 Scope

This ZP applies to the confirmation of conformity regarding the suitability of products or components for drinking water hygiene on the basis of a type test, as described in the UBA recommendation 'Confirmation of conformity regarding the suitability of products for drinking water hygiene'.

This simplified confirmation of conformity may be issued for components in risk group P2/P3 or product group C/D.

The table below lists the product codes within the scope of the certification programme.

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Product group	Product code	Product type
Hygienic suitability based on a type test	0801	Metal components, product groups C and D
	0802	Plastics components, product group P2
	0803	Organic coatings, product group P2
	0804	Elastomer components
	0805	Components made from thermoplastic elastomers (TPE)
	0806	Silicone components ¹⁾
	0807	Enamelled components, product group P2
	0808	Ceramic components, product group P2
	0809	Cement-bonded linings ¹⁾
	0810	Lubricants, product group P2
	0820	Mixtures of organic materials, product group P2 ²⁾
	0821	Intermediate products of organic materials, product group P2 ³⁾
	0822	Precursors of organic materials, product group P2 ⁴⁾
	0840	Glass components, product group P2
	0832	Plastics components, product group P3
	0833	Organic coatings, product group P3
	0834	Elastomer components, product group P3
	0835	Components made from thermoplastic elastomers, Product group P3
	0836	Silicone components, product group P3
	0837	Enamelled components, product group P3
	0838	Ceramic components, product group P3
	0839	Cement-bonded linings, product group P3

6 Testing laboratories

Test laboratories accredited in accordance with EN ISO/IEC 17025 for the relevant test methods and contractually bound to DVGW CERT GmbH to carry out the test procedures listed in accordance with UBA-BWGL, UBA information and recommendations, and UBA guidelines.

-
- 1) No assessment criteria have yet been published. The assessment is based on information, guidelines and transitional recommendations from the UBA
- 2) e.g. glass fibre backing
- 3) e.g. elastomer compound or hardener in a coating
- 4) e.g. plastic granules

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7 Requirements

7.1 General requirements:

Materials and substances coming into contact with drinking water must be hygienically safe and must not impair the quality of drinking water as specified in the Drinking Water Ordinance (TrinkwV §14).

7.2 Specific requirements

The drinking water hygiene requirements are specified on a material-specific basis in UBA assessment criteria, UBA information and UBA recommendations (see the tables in Annex A).

8 Type testing

8.1 Formulation assessment of materials

For products and components in risk group P2, the manufacturer must provide the certification body or the contractually appointed testing body with the formulation for verification in accordance with the material-specific positive lists. Any changes to the formulation must be reported to the certification body without delay. The documents are subject to confidentiality. It is advisable that the actual type testing is only carried out after the formulation has been approved.

8.2 Assessment of formulations, preliminary and intermediate products made from organic materials

The assessment of a formulation, a precursor or an intermediate product offers the opportunity to simplify the certification of the end product. In this case, sensitive formulation information need only be disclosed to a certification body. A prerequisite for this, however, is that the manufacturer of the formulation allows its certification body to communicate the relevant substances to the certification body responsible for the end product. The relevant substances are those that are to be tested in the migration test for the end product.

If a formulation, preliminary or intermediate product certificate from an accredited certification body is available, the drinking water hygiene assessments set out in the table below are recognised for the certification of the end product in accordance with its risk group.

Confirmation of conformity for ... is applicable to	... precursor products	... intermediate products	... formulation
Pipes ($F_c > 10$ d/dm)	Formulation evaluation	Formulation evaluation	Formulation evaluation
P1 products/components, including pipes with $F_c \leq 10$ d/dm	Formulation assessment + Microbiological assessment	Formulation assessment + Microbiological Assessment	Formulation evaluation

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P2 components (surface area < 10% of the product)	Full assessment ⁵⁾ (no further testing or as- sessment required)	Formulation assess- ment + Microbiological as- sessment	Formulation evalua- tion
P3 components (surface area < 1 % of the product)	Full assessment ⁵⁾ (no further testing or as- sessment required)	Full assessment ⁵⁾ (no further testing or as- sessment required)	(Formulation assess- ment)

Test specimens for the assessment of preliminary and intermediate products must be produced in the presence of an auditor appointed by the certification body, in accordance with the material manufacturer's processing recommendations and using the same manufacturing process as that for the end product to be certified.

8.3 Migration testing

The manufacturer must provide the testing laboratory with a sufficient number of representative test specimens required for type testing. Type testing must be carried out on a material-specific basis in accordance with the applicable UBA BWGL or UBA guidelines/recommendations and information. In doing so, the requirements described in the UBA's recommendation on confirmation of conformity must be observed.

8.5 Promotion of microbial growth

The microbiological test in accordance with DIN EN 16421 (or DVGW W 270) may be carried out on representative test specimens in accordance with Section 6.2 of the KTW-BWGL for the various components (except pipes with $F_c > 10 \text{ d/dm}$).

8.7 Metal analysis

Metal analysis must be carried out on representative test specimens by an accredited testing laboratory under contract to DVGW CERT GmbH.

9 Surveillance

9.1 In-house production control (WPK)

The manufacturer must carry out its own production controls in such a way as to ensure that a reliable assessment of production is possible. A functioning quality management (QM) system may be used for this purpose.

The nature and scope of the in-house production control measures must be specified for each material (see the tables in Annex A). The manufacturer is responsible for carrying out the in-house production control.

⁵⁾ The comprehensive assessment includes formulation assessment, microbiological assessment and migration assessment.

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9.2 Surveillance testing (external surveillance; FÜ)

In the simplified procedure based on a type test, no third-party surveillance takes place.

10 Labeling

No labeling on the product relating to this ZP is required.

11 Applicable documents

Where references are not dated, the current edition of the following documents applies in each case.

- Geschäftsordnung zur Zertifizierung von Produkten im nicht harmonisierten Bereich <40014>
- UBA Empfehlung Konformität: Stand 29. Juli 2021
Empfehlung Konformitätsbestätigung der trinkwasserhygienischen Eignung von Produkten
- UBA-Metallbewertungsgrundlage: 7. Änderung vom 26. Februar 2026
Bewertungsgrundlage für metallene Werkstoffe im Kontakt mit Trinkwasser des UBA (Metall-Bewertungsgrundlage)
- UBA KTW-BWGL: 6. Änderung vom 27. Oktober 2025
Bewertungsgrundlage für Kunststoffe und andere organische Materialien in Kontakt mit Trinkwasser (KTW-BWGL) – Allgemeiner Teil und Polymerspezifischer Teil
- UBA-Information: Stand 25. März 2022
Übergang von UBA-Leitlinien zur Bewertungsgrundlage für Kunststoffe und andere organische Materialien im Kontakt mit Trinkwasser (Übergangsregelung KTW-BWGL)
- UBA Emails und Keramik-BWGL: 4. Änderung vom 27. Oktober 2025
Bewertungsgrundlage für Emails und keramische Werkstoffe im Kontakt mit Trinkwasser
- UBA Empfehlung Silikon: Version 6 vom 30. Januar 2025
Übergangsempfehlung zur vorläufigen trinkwasserhygienischen Beurteilung von Silikonen im Kontakt mit Trinkwasser (Silikon-Übergangsempfehlung)
- DVGW Arbeitsblatt W 347: Ausgabe November 2023
Hygienische Anforderungen an zementgebundene Werkstoffe im Trinkwasserbereich – Prüfung und Bewertung
- UBA Geringfügigkeits-Leitlinie: Stand 18. April 2011
Empfehlung Beurteilung von Stoffen mit bestimmter technologischer Funktion und geringeren Einsatzmengen bei der Rezepturüberprüfung nach den Leitlinien des Umweltbundesamtes zur hygienischen Beurteilung von organischen Materialien im Kontakt mit Trinkwasser (Geringfügigkeits-Leitlinie)
- UBA Modellierungsleitlinie: Stand 03. Dezember 2024
Empfehlung Leitlinie zur mathematischen Abschätzung der Migration von Einzelstoffen aus organischen Materialien in das Trinkwasser (Modellierungsleitlinie)
- DIN EN 10204: Ausgabe Januar 2005:

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Metallische Erzeugnisse – Arten von Prüfbescheinigungen

- DIN EN 16421: Ausgabe Mai 2015
Einfluss von Materialien auf Wasser für den menschlichen Gebrauch – Vermehrung von Mikroorganismen
- DVGW Arbeitsblatt W 270: Ausgabe November 2007
Vermehrung von Mikroorganismen auf Werkstoffen für den Trinkwasserbereich – Prüfung und Bewertung

12 Validity period

This certification programme is valid 27 August 2026 until further notice.

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13 Appendix

Table A.1: Scope of testing for type testing and in-house surveillance of components made of metallic materials

Requirement	Type testing	In-house surveillance (WPK)
Requirements for material composition	Check whether the material is listed on the UBA metals list Inspection of the upstream supplier on the basis of their documentation (factory certificate in accordance with DIN EN 10204-2.2 with metal analysis) Testing of the metal composition (metal analysis in accordance with Section 8.7)	Verification of the upstream supplier based on their documentation (factory certificate in accordance with DIN EN 10204-2.2 with metal analysis) In-house metal analysis following the remelting of alloys

ZS = Certification Body

PL = testing laboratory

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Table A.2: Scope of testing for type testing and in-house surveillance of factory-produced components made from organic materials

Requirement	Type testing	In-house surveillance (WPK)
Requirements for material composition	Disclosure of the formulation by the manufacturer Verification of the formulation in accordance with material-specific positive lists (KTW-BWGL)	Verification of the upstream supplier based on their documentation Verification of material conformity; where necessary, in-house material testing on receipt of goods (e.g. using MFR, DSC) in accordance with WPK
Basic requirements, formulation-specific requirements for individual substances, additional requirements	The manufacturer sends a sufficient quantity of test specimens to PL Migration testing on the test specimens	The manufacturer shall ensure the conformity of the final product by taking appropriate measures
Microbiological requirements	The manufacturer sends a sufficient number of test plates to PL Microbiological testing of the test plates	-

ZS = Certification Body
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Table A.3: Scope of testing for type testing and in-house surveillance of enamels, enamel frits and other vitreous materials, including borosilicate glass

Requirement	Type testing	In-house surveillance (WPK)
Composition requirements	Disclosure of the formulation by the manufacturer of the enamel frit Verification of composition / ingredients in accordance with material-specific positive lists Verification of the upstream supplier based on their documentation	Verification of the supplier based on their supporting documentation Analysis of the composition of the enamel frit and the enamelling process (external testing where necessary)
Requirements for the element release or organic compounds	Production of enamelled test plates in accordance with the enamel manufacturer's processing instructions Dispatch of test specimens to PL Migration testing of the components sent	Verification of material conformity Verification of compliance with the enamel manufacturer's processing instructions

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Table A.4: Scope of testing for type testing and in-house surveillance of ceramic materials and components

Requirement	Type testing	In-house surveillance (WPK)
Composition requirements	Disclosure of the formulation by the manufacturer Verification of composition / ingredients in accordance with material-specific positive lists Verification of the upstream supplier based on their documentation Analysis⁶⁾ of the composition of the test specimens supplied (type testing)	Verification of the supplier based on their documentation Verification of the conformity of raw materials Analysis of the composition (external testing where necessary)
Requirements for the element release or organic compounds	Submission of a sufficient number of test specimens to PL ⁷⁾migration test⁷⁾ on the components taken during the initial inspection	Verification of material conformity: analysis of composition (external testing if necessary)

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6) No analysis of composition is required for carbon ceramics

7) No migration tests are required for mixed metal oxide coatings manufactured as described in Chapter 6.3 of the Enamel/Ceramics BWGL.

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Table A.5: Scope of formulation assessment for organic materials

Requirement	Type testing	In-house surveillance (WPK)
Requirements for material composition	Disclosure of the formulation by the manufacturer Verification of the formulation in accordance with material-specific positive lists as per KTW-BWGL	Verification of the upstream supplier based on their documentation Verification of material conformity; where necessary, in-house material testing on receipt of goods (e.g. using MFR, DSC) in accordance with WPK

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Table A.6: Scope of testing for intermediate products (e.g. plastic granules) made from organic materials

Requirement	Type testing	In-house surveillance (WPK)
Requirements for material composition	Disclosure of the formulation by the manufacturer Verification of the formulation in accordance with material-specific positive lists as set out in KTW-BWGL	Verification of the upstream supplier based on their supporting documentation Verification of material conformity; where necessary, in-house material testing on receipt of goods (e.g. using MFR, DSC) in accordance with WPK
Basic requirements, formulation-specific requirements for individual substances, additional requirements	Production of test specimens under audit conditions Migration testing on the test specimens	The manufacturer ensures the conformity of the end product by taking appropriate measures
Microbiological requirements	Production of test plates under audit conditions Microbiological testing of the test plates	

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Table A.7: Scope of testing for intermediate products (e.g. elastomer compounds) made from organic materials

Requirement	Type testing	In-house surveillance (WPK)
Requirements for material composition	Disclosure of the formulation by the manufacturer Verification of the formulation in accordance with material-specific positive lists as per KTW-BWGL	Verification of the upstream supplier based on their documentation Verification of material conformity; where necessary, in-house material analysis on receipt of goods (e.g. using MFR, DSC) in accordance with WPK
Basic requirements	Production of test specimens under audit conditions Migration testing on the test specimens	The manufacturer shall ensure the conformity of the end product by taking appropriate measures
Microbiological requirements	Production of test plates under audit conditions Microbiological testing of the test plates	

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In Case of doubt, the German document is the legally binding