Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-14234-01-02 according to DIN EN ISO/IEC 17025:2018

Valid from: **17.04.2025**

Date of issue: 17.04.2025

This annex is part of the accreditation certificate D-PL-14234-01-00

Holder of certificate:

GALAB Laboratories GmbH
Am Schleusengraben 7, 21029 Hamburg

with the location

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Am Schleusengraben 7, 21029 Hamburg

The testing laboratory fulfils the requirements according to DIN EN ISO/IEC 17025:2018 to perform the conformity assessment activities listed in this annex. The testing laboratory fulfils additional legal and normative requirements, where applicable, including those in relevant sectoral programmes, provided that these are expressly confirmed below.

The requirements for the management system in DIN EN ISO/IEC 17025 are written in a language relevant to testing laboratories and are generally in accordance with the principles of DIN EN ISO 9001.

Tests in the fields:
Selected physical, physicochemical and chemical investigations of water (wastewater, surface water, process water);
microbiological tests in accordance with the Drinking Water Ordinance (old version), sampling of raw materials and
Drinking water for microbiological tests

The certificate together with the annex to the certificate reflects the status at the time of issue. The current status of the scope of accreditation can be found in the database of accredited bodies of the German Accreditation Body GmbH (www.dakks.de)

Flexible accreditation area:
The testing laboratory is required to operate within the marked test areas without being subject to a prior information and consent from DAkkS,

[Flex A] the application of the standardised or equivalent standards listed here test procedures with different output levels permitted.

[Flex C] allows the modification as well as further and new development of test methods.

The test methods listed are exemplary. The testing laboratory has an up-to-date List of all test procedures in the flexible accreditation area.

1 Investigations of water (wastewater, surface water, process water)

1.1 Physical parameter

DIN 38404-C 4 1976-12	Determination of temperature

1.2 Determination of organic and metal-organic compounds by means of Gas chromatography with mass-selective detectors (GC-MS, GC-ICP-MS) **

DIN EN 15934 2012-11	Sludge, treated organic waste, soil and waste - calculation of the dry matter content after determination of the Dry residue or water content (Restriction: *here only application of procedure A)*
SOP-No. 85 2005-04	Determination of chlorobenzenes in water by GC-MS
SOP-No. 154 2008-05	Determination of phthalates in water using GC-MS
SOP-Nr. 156 2008-05	Determination of alkylphenols, alkylphenol ethoxylates and Bisphenols in water using GC-MS

1.3 Determination of elements using ICP-MS

DIN EN ISO 17294-2 (E 29) 2017-01	Water quality - application of inductively coupled Plasma Mass Spectrometry (ICP-MS) - Part 2: Determination of selected elements including uranium isotopes (Modification: *here also Ta, Ti)*

1.4 Further chromatographic examinations

DIN EN ISO 10304-1 (D 20) 2009-07	Water Quality - Determination of Dissolved Anions by means of liquid ion chromatography - Part 1: Determination of bromide, chloride, fluoride, nitrate, nitrite, phosphate and sulfate

2 Investigations in accordance with the Drinking Water Ordinance – TrinkwV (old version) –
Ordinance on the Quality of Water for Human Consumption (Drinking Water Ordinance - TrinkwV 2001) in the version published on 10 March 2016 (Federal Law Gazette I p. 459), which was amended by the Ordinance of 22 September 2021 (Federal Law Gazette I p. 4343).

Sampling

Procedure	Title
DIN EN ISO 19458 (K 19) 2006-12	Water quality - sampling for microbiological Investigations

APPENDIX 1: MICROBIOLOGICAL PARAMETERS
PART I: General requirements for drinking water

Ser. No.	Parameter	Procedure
1	Escherichia coli (E. coli)	DIN EN ISO 9308-1 (K 12) 2017-09
2	Enterococci	DIN EN ISO 7899-2 (K 15) 2000-11

PART II: Requirements for drinking water intended for supply in sealed containers

Ser. No.	Parameter	Procedure
1	Escherichia coli (E. coli)	DIN EN ISO 9308-1 (K 12) 2017-09
2	Enterococci	DIN EN ISO 7899-2 (K 15) 2000-11
3	Pseudomonas aeruginosa	DIN EN ISO 16266 (K 11) 2008-05

APPENDIX 2: CHEMICAL PARAMETERS
Not used

APPENDIX 3: INDIKATORPARAMETERS
PART I: General indicator parameters

Ser. No.	Parameter	Procedure
1	Aluminium	Not used
2	Ammonium	Not used
3	Chloride	Not used

Ser. No.	Parameter	Procedure
4	Clostridium perfringens (including spores)	DIN EN ISO 14189 (K 24) 2016-11
5	Coliform bacteria	DIN EN ISO 9308-1 (K 12) 2017-09
6	Iron	not used
7	Coloring (spectral absorption coefficient Hg 436 nm)	not used
8	Odour (as TON)	Not used
9	Taste	Not used
10	Colony count at 22 °C	DIN EN ISO 6222 (K 5) 1999-07 TrinkwV §15 Absatz (1c)
11	Colony count at 36 °C	DIN EN ISO 6222 (K 5) 1999-07 TrinkwV §15 Absatz (1c)
12	Conductivity	Not used
13	Mangan	Not used
14	Sodium	Not used
15	Organically bound carbon	Not used
16	Oxidizability	Not used
17	Sulphate	Not used
18	Turbidity	Not used
19	Hydrogen ion concentration	Not used
20	Calcite dissolving capacity	Not used

Part II: Special requirements for drinking water in drinking water installation systems

Parameter	Procedure
Legionella spec.	ISO 11731 2017-05 UBA Recommendation 18 December 2018

Appendix 3a: Requirements for drinking water with regard to radioactive substances
Not used

Parameters not included in Appendices 1 to 3 of the Drinking Water Ordinance

Other periodic examinations
Not used

Accreditation does not replace the recognition or approval procedure of the competent authority according to § 40 paragraph (2) TrinkwV.

Abbreviations used:

DIN	Deutsches Institut für Normung e. V.
EN	Europäische Norm
IEC	International Electrotechnical Commission - Internationale Elektrotechnische Kommission
ISO	International Organization for Standardization - Internationale Organisation für Normung
SOP	In-house procedures of KBS GALAB Laboratories GmbH
UBA	Umweltbundesamt