

Accreditation



The Deutsche Akkreditierungsstelle attests with this **Accreditation Certificate** that

Eurofins GfA Lab Service GmbH
Neuländer Kamp 1a, 21079 Hamburg

operates a testing laboratory that fulfills the requirements according to DIN EN ISO/IEC 17025:2018 for those conformity assessment activities specified in detail in the annexes listed below. This includes additional existing legal and normative requirements for the testing laboratory including those in relevant sectoral schemes, provided that these are explicitly confirmed in the annexes listed below.

D-PL-14629-01-01	Valid from: 16.09.2025	D-PL-14629-01-06	Valid from: 02.04.2024
D-PL-14629-01-02	Valid from: 02.04.2024		
D-PL-14629-01-03	Valid from: 02.04.2024		
D-PL-14629-01-04	Valid from: 02.04.2024		
D-PL-14629-01-05	Valid from: 02.04.2024		

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and they conform to the principles of DIN EN ISO 9001.

This accreditation was issued in accordance with Art. 5 Para. 1 Sentence 2 of Regulation (EC) 765/2008, after an accreditation procedure was carried out in compliance with the minimum requirements of DIN EN ISO/IEC 17011 and on the basis of a review and decision of the appointed accreditation committees.

This accreditation certificate only applies in connection with the notice of 16.09.2025. It consists of this cover sheet, the reverse side of the cover sheet and the corresponding annex

Registration number of the accreditation certificate: **D-PL-14629-01-00**

Berlin, 16.09.2025 Tim Fuchs | Head of Service Unit

Translation issued: 05.05.2026

This accreditation certificate was issued by the Deutsche Akkreditierungsstelle GmbH (DAkkS). It is digital sealed and valid without signature. It reflects the status as indicated by the date of issue. The current status of any valid and surveyed accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH (www.dakks.de).

This document is a translation. The definitive version is the original German accreditation certificate.

See notes overleaf

Deutsche Akkreditierungsstelle GmbH

Office Berlin
Spittelmarkt 10
10117 Berlin

The Deutsche Akkreditierungsstelle GmbH (DAkkS) is the entrusted national accreditation body of the Federal Republic of Germany according to § 8 section 1 AkkStelleG in conjunction with § 1 section 1 AkkStelleGBV. DAkkS is designated as the national accreditation authority by Germany according to Art. 4 Para. 4 of Regulation (EC) 765/2008 and clause 4.7 of DIN EN ISO/IEC 17000.

Pursuant to Art. 11 section 2 of Regulation (EC) 765/2008, the accreditation certificate shall be recognised as equivalent by the national authorities within the scope of this Regulation as well as by the WTO member states that have committed themselves in bilateral or multilateral mutual agreements to recognise the certificates of accreditation bodies that are members of ILAC or IAF as equivalent.

DAkkS is a signatory to the multilateral agreements for mutual recognition of the European co-operation for Accreditation (EA), International Accreditation Forum (IAF) and International Laboratory Accreditation Co-operation (ILAC).

The up-to-date state of membership can be retrieved from the following websites:

EA: www.european-accreditation.org

ILAC: www.ilac.org

IAF: www.iaf.nu

Deutsche Akkreditierungsstelle

Annex to the Part Accreditation Certificate

D-PL-14629-01-01

According to DIN EN ISO/IEC 17025:2018

Valid from: 16.09.2025

Date of issue: 16.09.2025

This document annex is part of the accreditation certificate D-PL-14629-01-00.

Holder of certificate:

**Eurofins GfA Lab Service GmbH
Neuländer Kamp 1a, 21079 Hamburg**

With the location:

**Eurofins GfA Lab Service GmbH
Neuländer Gewerbepark 4, 21079 Hamburg**

The testing laboratory meets the requirements of DIN EN ISO/IEC 17025:2018 to carry out the conformity assessment activities listed in this annex. The testing laboratory meets additional legal and normative requirements, if applicable, including those in relevant sectoral schemes, provided that these are explicitly confirmed below.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and they conform to the principles of DIN EN ISO 9001.

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Abbreviations used: see last page

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Annex to the Part Accreditation Certificate D-PL-14629-01-01

Tests in the fields:

Physical, physicochemical, and chemical analysis of food, feed and commodity goods as defined by the LFGB (German Food and Feed Code)

Flexible Scope of Accreditation:

Within the indicated test areas the testing laboratory is permitted without being required to prior inform and obtain approval from DAkkS

[Flex A] to use standardised or equivalent test methods listed here with different issue dates.

[Flex B] to have the free choice from standardised or equivalent test methods.

[Flex C] to modify, develop or further develop test methods.

The test methods listed are examples. The testing laboratory has an up-to-date list of all test methods within the flexible scope of accreditation. The list is publicly available on the website of the testing laboratory.

1 Analysis of food, feed and commodity goods as defined by the LFGB (German Food and Feed Code)

1.1 Determination of dioxins, dioxin-like compounds, pesticide residues and organic contaminants in food and feed using isotope dilution analysis and gas chromatography with mass spectrometric detection (MS, MS/MS und HRMS) [Flex C]

DIN EN 16215 2020-05	Animal feeding stuffs - Determination of dioxins and dioxin-like PCBs by GC/HRMS and of indicator PCBs by GC/HRMS
ASU F 0027 (EG) 2019-06	Animal feedings stuffs - Determination of polychlorinated dioxins (PCDD/PCDF) and dioxin-like PCB - Annex of directive (EU) No 278/2012 of the Commission of 28 March 2012 and repealing Regulation (EU) No 152/2009 regarding the determination of dioxins and polychlorinated biphenyls
GLS DF 110 2023-11	Determination of polychlorinated dibenzodioxins (PCDD), polychlorinated dibenzofuranes (PCDF) and polychlorinated biphenyls (PCB) incl. all 209 PCB-congeners in food and feed as well as other samples by gas chromatography with mass spectrometric detection (Scope here: <i>food and feed</i>)

Valid from: 16.09.2025

Date of issue: 16.09.2025

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Annex to the Part Accreditation Certificate D-PL-14629-01-01

GLS OC 200 2023-02	Determination of the mass concentration of polybrominated diphenylethers (PBDE) and polybrominated biphenyls (PBB) in diverse sample matrices by GC-MS (Scope here: <i>food and feed</i>)
GLS OC 300 2023-09	Determination of polycyclic aromatic hydrocarbons (PAK) in diverse sample matrices by gas chromatography with mass spectrometric detection (Scope here: <i>food and feed</i>)
GLS OC 530 2023-09	Determination of organochloric pesticides (OCP) in diverse sample matrices by gas chromatography with mass spectrometric detection (Scope here: <i>food and feed</i>)
GLS OC 600 2023-09	Determination of organotin compounds (OTC) in diverse sample matrices by gas chromatography with mass spectrometric detection (Scope here: <i>food and feed</i>)
GLS OC 720 2023-09	Determination of alkyl phenoles in diverse sample matrices by gas chromatography with mass spectrometric detection (Scope here: <i>food and feed</i>)

1.2 Determination of dioxins, dioxin-like compounds and organic contaminants in commodity goods as defined by the LFGB (German Food and Feed Code) using isotope dilution analysis and gas chromatography with mass spectrometric detection (MS, MS/MS und HRMS) [Flex C]

GLS DF 110 2023-11	Determination of polychlorinated dibenzodioxins (PCDD), polychlorinated dibenzofuranes (PCDF) and polychlorinated biphenyls (PCB) incl. all 209 PCB-congeners in food and feed as well as other samples by gas chromatography with mass spectrometric detection (Scope here: <i>commodity goods as defined by the LFGB (German Food and Feed Code)</i>)
GLS OC 200 2023-02	Determination of polybrominated diphenyl ether (PBDE) and polybrominated biphenyles (PBB) in diverse sample matrices by gas chromatography with mass spectrometric detection (Scope here: <i>commodity goods as defined by the LFGB (German Food and Feed Code)</i>)

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GLS OC 230 2023-09	Determination of the mass concentration of short and middle chain C10-C17 Chlorparaffines (SCCP, MCCP) in diverse sample matrices by GC-MS (Scope here: <i>commodity goods as defined by the LFGB (German Food and Feed Code)</i>)
GLS OC 300 2023-09	Determination of polycyclic aromatic hydrocarbons (PAK) in diverse sample matrices by gas chromatography with mass spectrometric detection (Scope here: <i>commodity goods as defined by the LFGB (German Food and Feed Code)</i>)
GLS OC 600 2023-09	Determination of organotin compounds (OTC) in diverse matrices by gas chromatography with mass spectrometric detection (Scope here: <i>commodity goods as defined by the LFGB (German Food and Feed Code)</i>)
GLS OC 720 2023-09	Determination of alkyl phenoles in diverse sample matrices by gas chromatography with mass spectrometric detection (Scope here: <i>commodity goods as defined by the LFGB (German Food and Feed Code)</i>)

2 Determination of organic contaminants in food and feed using isotope dilution analysis and high performance liquid chromatography with mass spectrometric detection (LC-MS/MS) [Flex C]

GLS OC 260 2019-01	Determination of the mass concentration of hexabromocyclododecane (HBCD) in diverse sample matrices by LC-MS/MS (Scope here: <i>food and feed</i>)
GLS OC 400 2019-01	Determination of per- and polyfluorinated compounds (PFAS) in diverse sample matrices by LC-MS/MS (Scope here: <i>food and feed</i>)

3 Sample preparation [Flex A]

Regulation (EU) 2017/644 Annex II, Point 3 2017-04	Specification of sampling procedures and methods of analysis for monitoring the levels of dioxins, dioxin-like PCBs and non-dioxin-like PCBs in certain foods
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4 Determination of moisture content, volatile compounds content, dry residue and fat content in food and feed using gravimetry [Flex B]

DIN EN ISO 16720 2007-06	Soil quality - Pretreatment of samples by freeze-drying for subsequent analysis (Modification: <i>Scope extended to food</i>)
ASU L 13.00-16 2018-06	Investigation of foods - fats and oils of animal and plant origin - determination of the content of moisture and volatile compounds (Adoption of the standard of the same name DIN EN ISO 662, August 2016)
Regulation (EG) Nr. 152/2009, Anhang III, A. 2009-01	Determination of moisture - Investigation of the composition of raw materials of feed and compound feed
GLS DF 180 2025-07	Gravimetric determinations (dry residue and fat content) (Scope here: <i>food and feed</i>)
GLS DF 170 2023-12	Determination of the unsaponifiable matter in fats and oils from Food and Feed using gravimetry

Abbreviations used:

DIN	Deutsches Institut für Normung e. V.
EN	European Standard
GLS DF xxx	SOP of Eurofins GfA Lab Service GmbH from PCDD/F-Analytics
GLS OC xxx	SOP of Eurofins GfA Lab Service GmbH from Organic Chemistry
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
SOP	Standard Operating Procedure

Valid from: 16.09.2025

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Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-14629-01-02 According to DIN EN ISO/IEC 17025:2018

Valid from: 02.04.2024

Date of issue : 16.09.2025

This document annex is part of the accreditation certificate D-PL-14629-01-00

Holder of certificate:

Eurofins GfA Lab Service GmbH
Neuländer Kamp 1a, 21079 Hamburg

With the location:

Eurofins GfA Lab Service GmbH
Neuländer Gewerbepark 4, 21079 Hamburg

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The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and they conform to the principles of DIN EN ISO 9001.

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Abbreviations used: see last page

Tests in the field:

Occupational and Environmental Medicine (Clinical Chemistry)

Within the test areas marked with **, the testing laboratory is permitted to modify, further develop and develop new test methods without having to inform and obtain prior approval from DAkkS.

The listed testing methods are exemplary. The testing laboratory has a current list of all test methods in the flexible scope of accreditation.

Occupational and Environmental Medicine

Clinical Chemistry

Chromatography (Gaschromatography (GC-MS, -MS/MS, -HRMS))**

Analyte (parameter)	test object (matrix)	test technology
PCDD/PCDF	blood / blood serum	GC-MS, -MS/MS, -HRMS
PCB	blood / blood serum	GC-MS, -MS/MS, -HRMS
PBDE	breast fatty tissue	GC-MS, -MS/MS, -HRMS
PBB	breast fatty tissue	GC-MS, -MS/MS, -HRMS
PBDE	breast milk	GC-MS, -MS/MS, -HRMS
PBB	breast milk	GC-MS, -MS/MS, -HRMS

Chromatography (High Performance Liquid Chromatography (LC-MS/MS))**

Analyte (parameter)	test object (matrix)	test technology
PCF	blood	LC-MS/MS

Abbreviations used:

DIN	Deutsches Institut für Normung e.V.
EN	Europäische Norm – European Standard
GLS DF xxx	SOP of Eurofins GfA Lab Service GmbH from PCDD/F-Analytics
GLS OC xxx	SOP of Eurofins GfA Lab Service GmbH from Organic Chemistry
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
SOP	Standard Operating Procedure

Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-PL-14629-01-03 according to DIN EN ISO/IEC 17025:2018

Valid from: 02.04.2024

Date of issue: 16.09.2025

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Holder of the Accreditation Certificate:

**Eurofins GfA Lab Service GmbH
Neuländer Kamp 1a, 21079 Hamburg**

with the location

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The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and they conform to the principles of DIN EN ISO 9001.

Tests in the fields:

**Determination of organic residues and contaminants using GC/MS, -MS/MS, -HRMS and LC-MS/MS
in chemical products, including sample preparation**

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Abbreviations used: see last page

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Annex to the Accreditation Certificate D-PL-14629-01-03

Flexible Scope of Accreditation:

Within the indicated test areas the testing laboratory is permitted without being required to prior inform and obtain approval from DAkkS

[Flex A] to use standardised or equivalent test methods listed here with different issue dates.

[Flex C] to modify, develop or further develop test methods.

The test methods listed are examples. The testing laboratory has an up-to-date list of all test methods within the flexible scope of accreditation. The list is publicly available on the website of the testing laboratory.

1 Determination of organic pollutants using isotope dilution analysis and gas chromatography with mass spectrometric detection (MS, MS/MS und HRMS) in chemical products [Flex C]

GLS DF 110 2023-11	Determination of polychlorinated dibenzodioxins (PCDD), polychlorinated dibenzofuranes (PCDF) and polychlorinated biphenyls (PCB) incl. all 209 PCB-congeners in food and feed as well as other samples by gas chromatography with mass spectrometric detection (Scope here: <i>chemical products</i>)
GLS DF 130 2022-11	Determination of polychlorinated dibenzodioxins (PCDD), polychlorinated dibenzofuranes (PCDF) and polychlorinated biphenyls (PCB) incl. all 209 PCB-congeners in environmental samples, water, chemicals and materials by gas chromatography with mass spectrometric detection
GLS OC 200 2023-02	Determination of the mass concentration of polybrominated diphenyl ether (PBDE) and polybrominated biphenyls (PBB) in diverse sample matrices by GC-MS (Scope here: <i>chemical products, adsorption media</i>)
GLS OC 230 2023-09	Determination of the mass concentration of short and middle chain C10-C17 Chlorparaffines (SCCP, MCCP) in diverse sample matrices by GC-MS (Scope here: <i>chemical products</i>)
GLS OC 300 2023-09	Determination of polycyclic aromatic hydrocarbons (PAK) in diverse sample matrices by gas chromatography with mass spectrometric detection (Scope here: <i>chemical products, activated carbon, ash</i>)

Valid from: 02.04.2024

Date of issue: 16.09.2025

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Annex to the Accreditation Certificate D-PL-14629-01-03

GLS OC 600 2023-09	Determination of organotin compounds (OTC) in diverse matrices by gas chromatography with mass spectrometric detection (Scope here: <i>chemical products</i>)
GLS OC 720 2023-09	Determination of alkyl phenoles in diverse sample matrices by gas chromatography with mass spectrometric detection (Scope here: <i>chemical products</i>)

2 Sample preparation [Flex A]

DIN 19747 2009-07	Investigation of solids-pretreatment, preparation and processing of samples for chemical, biological and physical investigations
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Abbreviations used:

DIN	Deutsches Institut für Normung e.V. – German institute for standardization
EN	Europäische Norm – European Standard
GLS DF xxx	SOP of Eurofins GfA Lab Service GmbH from PCDD/F-Analytics
GLS OC xxx	SOP of Eurofins GfA Lab Service GmbH from Organic Chemistry
IEC	International Electrotechnical Commission
ISO	International Organization for Standardisation
SOP	Standard Operating Procedure

Valid from: 02.04.2024

Date of issue: 16.09.2025

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Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-PL-14629-01-04 according to DIN EN ISO/IEC 17025:2018

Valid from: 02.04.2024

Date of issue: 16.09.2025

This annex is part of the Accreditation Certificate D-PL-14629-01-00.

Holder of the Accreditation Certificate:

Eurofins GfA Lab Service GmbH
Neuländer Kamp 1a, 21079 Hamburg

with the location

Eurofins GfA Lab Service GmbH
Neuländer Gewerbepark 4, 21079 Hamburg

The testing laboratory meets the requirements of DIN EN ISO/IEC 17025:2018 to carry out the conformity assessment activities listed in this annex. The testing laboratory meets additional legal and normative requirements, if applicable, including those in relevant sectoral schemes, provided that these are explicitly confirmed below.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and they conform to the principles of DIN EN ISO 9001.

Tests in the fields:

Determination of organic residues and contaminants using GC/MS, -MS/MS, -HRMS and LC-MS/MS in water, including sample preparation;
Water module

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Abbreviations used: see last page

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Annex to the Accreditation Certificate D-PL-14629-01-04

Flexible Scope of Accreditation:

Within the indicated test areas the testing laboratory is permitted without being required to prior inform and obtain approval from DAkkS

[Flex A] to use standardised or equivalent test methods listed here with different issue dates.

[Flex C] to modify, develop or further develop test methods.

The test methods listed are examples. The testing laboratory has an up-to-date list of all test methods within the flexible scope of accreditation. The list is publicly available on the website of the testing laboratory.

1 Determination of organic pollutants using isotope dilution analysis and gas chromatography with mass spectrometric detection (MS, MS/MS und HRMS) in water [Flex C]

GLS DF 130 2022-11	Determination of polychlorinated dibenzodioxins (PCDD), polychlorinated dibenzofuranes (PCDF) and polychlorinated biphenyls (PCB) incl. all 209 PCB-congeners in environmental samples, water, materials and chemicals by gas chromatography with mass spectrometric detection
GLS OC 230 2023-09	Determination of the mass concentration of short and middle chain C10-C17 Chlorparaffines (SCCP, MCCP) in diverse sample matrices by GC-MS (Scope here: water)
GLS OC 300 2023-09	Determination of polycyclic aromatic hydrocarbons (PAHs) in diverse sample matrices by gas chromatography with mass spectrometric detection (Scope here: water)
GLS OC 600 2023-09	Determination of organotin compounds (OTC) in diverse matrices by gas chromatography with mass spectrometric detection (Scope here: water)
GLS OC 720 2023-09	Determination of alkyl phenoles in diverse sample matrices by gas chromatography with mass spectrometric detection (Scope here: water)

Valid from: 02.04.2024

Date of issue: 16.09.2025

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Annex to the Accreditation Certificate D-PL-14629-01-04
2 Determination of organic pollutants using isotope dilution analysis and high performance liquid chromatography with mass spectrometric detection (LC-MS/MS) in water [Flex C]

GLS OC 260
2019-01

Determination of the mass concentration of hexabromocyclododecane (HBCD) in diverse sample matrices by LC-MS/MS
(Scope here: water)

GLS OC 400
2019-01

Determination of per- and polyfluorinated compounds (PFAS) in diverse sample matrices by LC-MS/MS
(Scope here: water)

3 Sample Preparation [Flex A]

DIN 38402-30
1998-07

Pretreatment, homogenization and aliquotation of non-homogeneous water samples

4 List of test methods for the Water module

Status: LAWA dated 18.10.2018

Section 1: Sampling and general characteristics

not used

Section 2: Photometry, ion chromatography, dimensional analysis

not used

Section 3: Elemental analysis

not used

Sections 4/5: Group and sum parameters

not used

Section 6: Gas chromatography method

Parameter	Method	Abw	Ofw	Grw
Volatile halogenated hydrocarbons (LHKW)	DIN EN ISO 10301: 1997-08 (F 4)*	☐	☐	☐
	DIN 38407-F 43: 2014-10	☐	☐	☐
	DIN EN ISO 15680: 2004-04 (F 19)	☐	☐	☐
	DIN EN ISO 17943: 2016-11 (F 41)		☐	☐

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Parameter	Method	Abw	Ofw	Grw
Benzene and derivatives (BTEX)	DIN 38407-F 9: 1991-05*	☐	☐	☐
	DIN 38407-F 43: 2014-10	☐	☐	☐
	DIN EN ISO 15680: 2004-04 (F 19)	☐	☐	☐
	DIN EN ISO 17943: 2016-11 (F 41)		☐	☐
Organochloric insecticides (OCP)	DIN EN ISO 6468: 1997-02 (F 1)*		☐	☐
	DIN 38407-F 37: 2013-11		☐	☐
	DIN EN 16693: 2015-12 (F 51)		☐	☐
Polychlorinated biphenyles (PCB)	DIN EN ISO 6468: 1997-02 (F 1)*		☐	☐
	DIN 38407-F 3: 1998-07		☒	☒
	DIN 38407-F 37: 2013-11		☐	☐
Mono- and dichloric benzenes	DIN EN ISO 15680: 2004-04 (F 19)		☐	☐
	DIN 38407-F 43: 2014-10		☐	☐
Tri- to hexachloric benzenes	DIN EN ISO 6468: 1997-02 (F 1)*	☐	☐	☐
	DIN 38407-F 2: 1993-02	☐	☐	☐
	DIN EN ISO 15680 (F 19):2004-04**	☐	☐	☐
	DIN 38407-F 43: 2014-10**	☐	☐	☐
	DIN 38407-F 37: 2013-11	☐	☐	☐
	DIN EN 16693: 2015-12 (F 51)***		☐	☐
Chlorphenols	DIN EN 12673: 1999-05 (F 15)		☐	☐
Organophosphoric- and organonitrogen compounds	DIN EN ISO 10695: 2000-11 (F 6) *		☐	☐
Polycyclic aromatic hydrocarbons (PAHs) (see Sub-Part 7)	DIN 38407-F 39: 2011-09	☐	☐	☐
	DIN ISO 28540: 2014-05 (F 40)	☐	☐	☐
	DIN EN 16691: 2015-12 (F 50)		☐	☐
Hydrocarbon-Index	DIN EN ISO 9377-2: 2001-07 (H 53)	☐	☐	☐

* mass spectrometric detection permitted

** only applicable for Trichlorobenzene

*** only applicable for Hexachlorobenzene

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Annex to the Accreditation Certificate D-PL-14629-01-04

Section 7: HPLC methods

not used

Section 8: Microbiological methods (unoccupied)

Section 9.1: Biological methods biotests (Part 1)

not used

Section 9.2: Biological methods biotests (Part 2)

not used

Abbreviations used:

DIN	Deutsches Institut für Normung e.V. – German institute for standardization
EN	Europäische Norm – European Standard
GLS DF xxx	In-house method of Eurofins GfA Lab Service GmbH from PCDD/F-Analytics
GLS OC xxx	In-house method of Eurofins GfA Lab Service GmbH from Organic Chemistry
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization

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Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-PL-14629-01-05 according to DIN EN ISO/IEC 17025:2018

Valid from: 02.04.2024

Date of issue: 16.09.2025

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Holder of the Accreditation Certificate:

**Eurofins GfA Lab Service GmbH
Neuländer Kamp 1a, 21079 Hamburg**

with the location:

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Tests in the fields:

**Testing of waste, biota, soil, sludge and sediment;
Testing in accordance with the Federal Soil Protection and Contaminated Sites Ordinance (July 2021);
Testing of waste wood in accordance with the Waste Wood Ordinance (June 2020);
Testing of waste oil in accordance with the Waste Oil Ordinance (October 2020);
Testing of sewage sludge in accordance with the Sewage Sludge Ordinance (September 2017)**

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This annex to the certificate is only valid together with the written accreditation certificate and reflects the status as indicated by the date of issue. The current status of any valid and surveyed accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH (www.dakks.de).*

Abbreviations used: see last page

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Flexible accreditation scope:

Within the designated test areas, the testing laboratory is permitted, without the need for prior notification and approval by DAkkS,

[Flex A] to use the standardized or equivalent test methods listed here with different output statuses.

[Flex B] freely select standardized test methods or equivalent test methods.

[Flex C] modify, further develop, and develop new test methods.

The test methods listed are examples. The testing laboratory has a current list of all test methods in the flexible accreditation scope. The list is publicly available on the testing laboratory's website.

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1 Analysis of waste

1.1 Sample preparation [Flex A]

DIN 19747 2009-07	Investigation of solids-pretreatment, preparation and processing of samples for chemical, biological and physical investigations
----------------------	--

1.2 Determination of moisture content, volatile matter content, dry residue, and fat content using gravimetry [Flex B]

DIN EN 12880 2001-02	Characterization of sludges - Determination of dry residue and water content (Modification: <i>Extension of the scope for soil, sediments and waste</i>)
-------------------------	--

DIN EN 14346 2007-03	Characterization of waste - Calculation of dry matter by determination of dry residue or water content
-------------------------	--

1.3 Determination of organic contaminants

1.3.1 Using isotope dilution analysis and gas chromatography with mass spectrometric detection (MS, MS/MS und HRMS) [Flex C]

GLS DF 130 2022-11	Determination of polychlorinated dibenzodioxins (PCDD), polychlorinated dibenzofuranes (PCDF) and polychlorinated biphenyls (PCB) incl. all 209 PCB-congeners in environmental samples, water, materials and chemicals by gas chromatography with mass spectrometric detection (Scope here: <i>waste</i>)
-----------------------	---

GLS OC 200 2023-02	Determination of polybrominated diphenyl ether (PBDE) and polybrominated biphenyls (PBB) in diverse sample matrices by gas chromatography with mass spectrometric detection (Scope here: <i>waste</i>)
-----------------------	--

GLS OC 230 2023-09	Determination of the mass concentration of short and middle chain C10-C17 chlorinated paraffines (SCCP, MCCP) in diverse sample matrices by GC-MS (Scope here: <i>waste</i>)
-----------------------	--

GLS OC 720 2023-09	Determination of alkylphenols in diverse sample matrices by gas chromatography with mass spectrometric detection (Scope here: <i>waste</i>)
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1.3.2 Using isotope dilution analysis and high performance liquid chromatography with mass spectrometric detection (LC-MS/MS) [Flex C]

GLS OC 260
2019-01

Determination of the mass concentration of hexabromocyclododecane (HBCD) in diverse sample matrices by LC-MS/MS
(Scope here: *waste*)

GLS OC 400
2019-01

Determination of per- and polyfluorinated compounds (PFAS) in diverse sample matrices by LC-MS/MS
(Scope here: *waste*)

2 Analysis of biota

2.1 Sample preparation [Flex A]

DIN 19747
2009-07

Investigation of solids-pretreatment, preparation and processing of samples for chemical, biological and physical investigations

2.2 Determination of organic contaminants

2.2.1 Using isotope dilution analysis and gas chromatography with mass spectrometric detection (MS, MS/MS und HRMS) [Flex C]

GLS DF 110
2023-11

Determination of polychlorinated dibenzodioxins (PCDD), polychlorinated dibenzofurans (PCDF) and polychlorinated biphenyls (PCB) incl. all 209 PCB-congeners in food and feed as well as other samples by gas chromatography with mass spectrometric detection
(Scope here: *biota*)

GLS DF 130
2022-11

Determination of polychlorinated dibenzodioxins (PCDD), polychlorinated dibenzofurans (PCDF) and polychlorinated biphenyls (PCB) incl. all 209 PCB-congeners in environmental samples, water, materials and chemicals by gas chromatography with mass spectrometric detection
(Scope here: *biota*)

GLS OC 200
2023-02

Determination of polybrominated diphenyl ether (PBDE) and polybrominated biphenyls (PBB) in diverse sample matrices by gas chromatography with mass spectrometric detection
(Scope here: *biota*)

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GLS OC 600 2023-09	Determination of organotin compounds (OTC) in diverse matrices by gas chromatography with mass spectrometric detection Scope here: <i>biota</i>)
-----------------------	--

2.2.2 Using isotope dilution analysis and high performance liquid chromatography with mass spectrometric detection (LC-MS/MS) [Flex C]

GLS OC 260 2019-01	Determination of the mass concentration of hexabromocyclododecane (HBCD) in diverse sample matrices by LC-MS/MS (Scope here: <i>biota</i>)
-----------------------	--

GLS OC 400 2019-01	Determination of per- and polyfluorinated compounds (PFAS) in diverse sample matrices by LC-MS/MS (Scope here: <i>biota</i>)
-----------------------	--

3 Analysis of soil

3.1 Sample preparation [Flex A]

DIN 19747 2009-07	Investigation of solids-pretreatment, preparation and processing of samples for chemical, biological and physical investigations
----------------------	--

3.2 Determination of moisture content, volatile matter content, dry residue, and fat content using gravimetry [Flex B]

DIN EN ISO 16720 2007-06	Soil quality - Pretreatment of samples by freeze-drying for subsequent analysis
-----------------------------	---

DIN EN 12880 2001-02	Characterization of sludges - Determination of dry residue and water content (Scope here: <i>soil</i>)
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3.3 Determination of organic contaminants

3.3.1 Using isotope dilution analysis and gas chromatography with mass spectrometric detection (MS, MS/MS und HRMS) [Flex C]

GLS DF 130 2022-11	Determination of polychlorinated dibenzodioxins (PCDD), polychlorinated dibenzofuranes (PCDF) and polychlorinated biphenyls (PCB) incl. all 209 PCB-congeners in environmental samples, water, materials and chemicals by gas chromatography with mass spectrometric detection (Scope here: <i>soil</i>)
GLS OC 200 2023-02	Determination of polybrominated diphenyl ether (PBDE) and polybrominated biphenyls (PBB) in diverse sample matrices by gas chromatography with mass spectrometric detection (Scope here: <i>soil</i>)
GLS OC 230 2023-09	Determination of the mass concentration of short and middle chain C10-C17 Chloroparaffines (SCCP, MCCP) in diverse sample matrices by GC-MS (Scope here: <i>soil</i>)
GLS OC 300 2023-09	Determination of polycyclic aromatic hydrocarbons (PAK) in diverse sample matrices by gas chromatography with mass spectrometric detection (Scope here: <i>soil</i>)
GLS OC 600 2023-09	Determination of organotin compounds (OTC) in diverse matrices by gas chromatography with mass spectrometric detection (Scope here: <i>soil</i>)
GLS OC 720 2023-09	Determination of alkyl phenols in diverse sample matrices by gas chromatography with mass spectrometric detection (Scope here: <i>soil</i>)

3.3.2 Using isotope dilution analysis and high performance liquid chromatography with mass spectrometric detection (LC-MS/MS) [Flex C]

GLS OC 260 2019-01	Determination of the mass concentration of hexabromocyclododecane (HBCD) in diverse sample matrices by LC-MS/MS (Scope here: <i>soil</i>)
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GLS OC 400 2019-01	Determination of per- and polyfluorinated compounds (PFAS) in diverse sample matrices by LC-MS/MS (Scope here: <i>soil</i>)
-----------------------	---

4 Analysis of sediment and sludge

4.1 Sample preparation [Flex A]

DIN 19747 2009-07	Investigation of solids-pretreatment, preparation and processing of samples for chemical, biological and physical investigations
----------------------	--

4.2 Determination of moisture content, volatile matter content, dry residue, and fat content using gravimetry [Flex B]

DIN EN ISO 16720 2007-06	Soil quality - Pretreatment of samples by freeze-drying for subsequent analysis (Scope here: <i>sediment and sludge</i>)
-----------------------------	--

DIN EN 12880 2001-02	Characterization of sludges - Determination of dry residue and water content (Scope here: <i>sediment and sludge</i>)
-------------------------	---

4.3 Determination of organic contaminants

4.3.1 Using isotope dilution analysis and gas chromatography with mass spectrometric detection (MS, MS/MS und HRMS) [Flex C]

GLS DF 130 2022-11	Determination of polychlorinated dibenzodioxins (PCDD), polychlorinated dibenzofuranes (PCDF) and polychlorinated biphenyls (PCB) incl. all 209 PCB-congeners in environmental samples, water, materials and chemicals by gas chromatography with mass spectrometric detection (Scope here: <i>sediment and sludge</i>)
-----------------------	---

GLS OC 200 2023-02	Determination of polybrominated diphenyl ether (PBDE) and polybrominated biphenyls (PBB) in diverse sample matrices by gas chromatography with mass spectrometric detection (Scope here: <i>sediment and sludge</i>)
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GLS OC 230 2023-09	Determination of the mass concentration of short and middle chain C10-C17 Chlorparaffines (SCCP, MCCP) in diverse sample matrices by GC-MS (Scope here: <i>sludge</i>)
GLS OC 300 2023-09	Determination of polycyclic aromatic hydrocarbons (PAK) in diverse sample matrices by gas chromatography with mass spectrometric detection (Scope here: <i>sediment and sludge</i>)
GLS OC 600 2023-09	Determination of organotin compounds (OTC) in diverse matrices by gas chromatography with mass spectrometric detection (Scope here: <i>sediment and sludge</i>)
GLS OC 720 2023-09	Determination of alkyl phenols in diverse sample matrices by gas chromatography with mass spectrometric detection (Scope here: <i>sludge</i>)

4.3.2 Using isotope dilution analysis and high performance liquid chromatography with mass spectrometric detection (LC-MS/MS) [Flex C]

GLS OC 260 2019-01	Determination of the mass concentration of hexabromocyclododecane (HBCD) in diverse sample matrices by LC-MS/MS (Scope here: <i>sludge</i>)
-----------------------	---

5 Testing in accordance with the Federal Soil Protection and Contaminated Sites Ordinance (July 2021)

5.1 Analysis in accordance with specified methods

5.1.1 Sampling and on-site investigations of solids

Not specified

5.1.2 Sample preparation of solids

Parameter	§ 23, § 24 BBodSchV method	
Sample preparation	DIN 19747:2009-07	☒
Aqua regia digestion	DIN EN 16174:2012-11	☐
	DIN EN 13657:2003-01	☐

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Parameter	§ 23, § 24 BBodSchV method	
Ammonium nitrate extract	DIN ISO 19730:2009-07	☐
Alkaline digestion method	DIN EN 15192:2007-02	☐

5.1.3 Methods for determining the physical and chemical properties of solids

Parameter	§ 24 BBodSchV method	
Dry matter	DIN EN 14346:2007-03 Verfahren A	☒
	DIN EN 15934:2012-11	☐
Organic carbon and total carbon after dry combustion	DIN EN 15936:2012-11	☐
	DIN 19539:2016-12	☐
Organic carbon (TOC 400) after dry combustion	DIN 19539:2016-12	☐
pH-Wert (CaCl ₂)	DIN EN 15933:2012-11	☐
Soil type	Soil Science Mapping Guide, 5th edition, Hanover 2009 (KA 5); Working aid for soil assessment in preventive and remedial soil protection, Hanover 2009	☐
	DIN ISO 11277:2002-08	☐
Grain size distribution/soil type	DIN ISO 11277:2002-08	☐
	DIN EN ISO 17892-4:2017-04	☐
Raw density	DIN EN ISO 11272:2017-07	☐

5.1.4 Methods for determining inorganic substance content in solids

Not specified

5.1.5 Methods for determining organic substance content other than PCDD, PCDF, and dioxin-like PCB in solids

Not specified

5.1.6 Methods for determining PCDD, PCDF, and dioxin-like PCB in solids

Parameter	§ 24 BBodSchV method	
PCDD/F, dl-PCB	DIN 38414-24:2000-10	☒
	DIN EN 16190:2019-10	☐

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5.1.7 Methods for producing eluates with water

Not specified

5.1.8 Methods for determining the concentration of inorganic substances in eluates

Not specified

5.1.9 Methods for determining the concentration of organic substances in eluates

Not specified

5.1.10 Sampling and on-site testing of soil air and landfill gas

Not specified

5.1.11 Laboratory analysis of soil air and landfill gas

Not specified

5.2 Analysis using other methods

5.2.1 Methods for determining organic substance content except PCDD, PCDF and dioxin-like PCB in solids

Parameter	Method
PCB ₆	DIN 38414-20:1996-01

5.2.2 Methods for determining the concentration of organic substances in eluates

Parameter	Method
Sum of PCB ₆ and PCB-118	DIN 38407-2:1993-02
	DIN 38407-3:1998-07

6 Analysis of sewage sludge in accordance with the Sewage Sludge Ordinance (September 2017)

6.1 Analysis in accordance with specified methods

6.1.1 Sampling

Not specified

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6.1.2 Sample preparation

Parameter	§ 32 Sec. 3 and 4 AbfKlärV method	
Sample preparation	DIN 19747:2009-07	☒

6.1.3 Heavy metals and chromium VI

Not specified

6.1.4 Adsorbed, organically bound halogens

Not specified

6.1.5 Physical parameters and nutrients

Not specified

6.1.6 Persistent organic pollutants (PCB)

Parameter	§ 5 Sec. 2 nos. 1 – 4 AbfKlärV method	
Polychlorinated biphenyls (PCB)	DIN EN 16167:2012-11	☐
	DIN 38414-20:1996-01	☒

6.1.7 Persistent organic pollutants (PCDD & PCDF and dl-PCB)

Parameter	§ 5 Sec. 2 nos. 1 – 4 AbfKlärV method	
PCDD & PCDF and dl-PCB	DIN CEN/TS 16190; DIN SPEC 91267:2012-05	☒

6.1.8 Persistent organic pollutants (B(a)P)

Parameter	§ 5 Sec. 2 nos. 1 – 4 AbfKlärV method	
Benzo(a)pyrene (B(a)P)	DIN EN 15527:2008-09	☐
	DIN 38414-23:2002-02	☐
	DIN CEN/TS 16181; DIN SPEC 91243:2013-12	☒

6.1.9 Persistent organic pollutants (PFC)

Parameter	§ 5 Sec. 2 nos. 1 – 4 AbfKlärV method	
Polyfluorinated compounds (PFC)	DIN 38414-14:2011-08	☒

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6.2 Analysis using other methods
Persistent organic pollutants (PCDD & PCDF and dl-PCB)

Parameter	Method
PCDD & PCDF and dl-PCB	DIN 38414-24:2000-14

7 Analysis of waste oil in accordance with the Waste Oil Ordinance (October 2020)
7.1 Analysis in accordance with specified methods
7.1.1 Sampling

Not specified

7.1.2 PCBs and halogens

Parameter	Annex 2 Nr. 2 and 3 AltölV method	
PCB	DIN EN 12766-1:2000-11	☒
Total halogens	Annex 2 Nr. 3	☐

7.2 Analysis using other methods

Not specified

8 Analysis of waste wood in accordance with the Waste Wood Ordinance (June 2020)
8.1 Analysis using specified methods
8.1.1 Sampling

Not specified

8.1.2 Sample preparation

Parameter	§ 6 Sec. 6 AltholzV method	
Sample preparation	Annex IV Nr. 1.2 and 1.3	☒

8.1.3 Determination of moisture content

Not specified

8.1.4 Heavy metals

Not specified

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8.1.5 Halogens

Not specified

8.1.6 Organic parameters

Parameter	Annex IV Nr. 1.4.4 and 1.4.5 AltholzV method	
Pentachlorophenol (PCP)	Annex IV Nr. 1.4.4	☐
Polychlorinated biphenyls (PCB)	Annex IV Nr. 1.4.5 in combination with DIN 38414-20:1996-01	☒

8.2 Analysis using other methods

Not specified

Abbreviations used

AbfKlärV	Sewage Sludge Ordinance
AltholzV	Waste Wood Ordinance
AltöIV	Waste-Oil Ordinance
BBodSchV	Federal Soil Protection and Contaminated Sites Ordinance
CEN	Comité Européen de Normalisation
DIN	German Institute for Standardization e. V.
EN	European Standard
GLS DF XXX	Standard Operating Procedure at Eurofins GfA Lab Service GmbH for PCDD/F analysis
GLS OC XXX	Standard Operating Procedure at Eurofins GfA Lab Service GmbH for organic chemistry
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
TS	Technical Specification

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Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-PL-14629-01-06 according to DIN EN ISO/IEC 17025:2018

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This annex is part of the Accreditation Certificate D-PL-14629-01-00.

Holder of the Accreditation Certificate:

**Eurofins GfA Lab Service GmbH
Neuländer Kamp 1a, 21079 Hamburg**

with the location

**Eurofins GfA Lab Service GmbH
Neuländer Gewerbepark 4, 21079 Hamburg**

The testing laboratory meets the requirements of DIN EN ISO/IEC 17025:2018 to carry out the conformity assessment activities listed in this annex. The testing laboratory meets additional legal and normative requirements, if applicable, including those in relevant sectoral schemes, provided that these are explicitly confirmed below.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and they conform to the principles of DIN EN ISO 9001.

Tests in the fields:

**Determination of organic residues and contaminants using GC/MS, -MS/MS, -HRMS and LC-MS/MS
in air/emissions, ambient air and dust including sample preparation;
Immission protection module**

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Abbreviations used: see last page

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Flexible Scope of Accreditation:

Within the indicated test areas the testing laboratory is permitted without being required to prior inform and obtain approval from DAkkS

[Flex A] to use standardised or equivalent test methods listed here with different issue dates.

[Flex C] to modify, develop or further develop test methods.

The test methods listed are examples. The testing laboratory has an up-to-date list of all test methods within the flexible scope of accreditation. The list is publicly available on the website of the testing laboratory.

1 Determination of organic pollutants using isotope dilution analysis and gas chromatography with mass spectrometric detection (MS, MS/MS und HRMS) in air/emission, ambient air and dust [Flex C]

DIN ISO 12884 2000-12	Ambient air — Determination of total (gas and particle-phase) polycyclic aromatic hydrocarbons — Collection on sorbent-backed filters with gas chromatographic/mass spectrometric analyses. (restriction: <i>no sampling</i>)
DIN ISO 16000-13 2010-03	Indoor air - Part 13: Determination of total (gas and particle-phase) polychlorinated dioxin-like biphenyls (PCBs) and polychlorinated dibenzo-p-dioxins/dibenzofurans (PCDDs/PCDFs) - Collection on sorbent-backed filters (restriction: <i>no sampling</i>)
DIN ISO 16000-14 2012-03	Indoor air - Part 14: Determination of total (gas and particle-phase) polychlorinated dioxin-like biphenyls (PCBs) and polychlorinated dibenzo-p-dioxins/dibenzofurans (PCDDs/PCDFs) - Extraction, clean-up and analysis by high-resolution gas chromatography and mass spectrometry (restriction: <i>no sampling</i>)
DIN EN 15549 2008-06	Air quality - Standard method for the measurement of the concentration of benzo[a]pyrene in ambient air (restriction: <i>no sampling</i>)
VDI 3498 Blatt 2 2002-07	Ambient air measurement - Indoor air measurement - Measurement of polychlorinated dibenzo-p-dioxins and dibenzofurans; Method using small filters (restriction: <i>no sampling</i>)

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VDI 3499 Blatt 1 2003-07	Emission measurement - Determination of polychlorinated dibenzo-p-dioxins (PCDDs) and dibenzofurans (PCDFs) - Dilution method; Example of application of DIN EN 1948 for the concentration range < 0,1 ng I-TEQ/m ³ and supplement to DIN EN 1948 for the concentration range > 0,1 ng I-TEQ/m ³ ; Determination in filter dust, ash and slag (restriction: <i>no sampling</i>)
BIA 6880 1993-06	BIA-testing method for the determination of concentration of polychlorinated dibenzofuranes and dibenzodioxins (PCDF/PCDD) and polybrominated dibenzofuranes and dibenzo-p-dioxins (PBDF/PBDD) at working areas (restriction: <i>no sampling</i>)
GLS DF 140 2022-11	Determination of polychlorinated dibenzodioxins (PCDD), polychlorinated dibenzofuranes (PCDF) and polychlorinated biphenyls (PCB) in air samples by gas chromatography with mass spectrometric detection
GLS DF 150 2022-11	Determination of polybrominated dibenzodioxins (PBDD) and polybrominated dibenzofurans (PBDF) in air samples by gas chromatography with mass spectrometric detection
GLS OC 110 2023-09	Determination of polychlorinated benzenes (PCBz) in solids, emissions, immissions and air samples by gas chromatography with mass spectrometric detection
GLS OC 200 2023-02	Determination of polybrominated diphenyl ether (PBDE) and polybrominated biphenyls (PBB) in diverse sample matrices by gas chromatography with mass spectrometric detection (Scope here: air)
GLS OC 230 2023-09	Determination of the mass concentration of short and middle chain C10-C17 Chlorparaffines (SCCP, MCCP) in diverse sample matrices by GC-MS (Scope here: air)
GLS OC 300 2023-09	Determination of polycyclic aromatic hydrocarbons (PAH) in diverse sample matrices by gas chromatography with mass spectrometric detection (Scope here: air-samples <i>and filter dust</i>)
GLS OC 720 2023-09	Determination of alkyl phenols in diverse sample matrices by gas chromatography with mass spectrometric detection (Scope here: air-samples)

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2 Determination of organic pollutants using isotope dilution analysis and high performance liquid chromatography with mass spectrometric detection (LC-MS/MS) in air/emission, ambient air and dust [Flex C]

GLS OC 260 2019-01	Determination of the mass concentration of hexabromocyclododecane (HBCD) in diverse sample matrices by LC-MS/MS (Scope here: <i>air/emission, ambient air and dust</i>)
GLS OC 400 2019-01	Determination of per- and polyfluorinated compounds (PFAS) in diverse sample matrices by LC-MS/MS (Scope here: <i>air</i>)

3 Sample preparation [Flex A]

DIN 19747 2009-07	Investigation of solids-pretreatment, preparation and processing of samples for chemical, biological and physical investigations
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4 Test method for immission protection module and annex A2 of VDI 4220, part 1:2018-11

Test range / identification	Group I.1: Determination of emissions Field of activity Sa: Special sampling of substances that require special effort / activities during sampling or analysis				
	Standard / Directive / technical rule Title	Designation	SRM	QM-document	Comment Site
PCDD/PCDF	Stationary source emissions - Determination of the mass concentration of PCDDs/PCDFs and dioxin-like PCBs - Part 2: Extraction and clean-up of PCDDs/PCDFs Part 3: Identification and quantification of PCDDs/PCDFs	DIN EN 1948 Part 2-3 2006-06	☒	GLS DF 140	
PCDD/PCDF	Emission measurement - Determination of polychlorinated dibenzo-p-dioxins (PCDDs) and dibenzofurans (PCDFs) - Dilution method; Example of application of DIN EN 1948 for the concentration range < 0,1 ng I-TEQ/m ³ and supplement to DIN EN 1948 for the concentration range > 0,1 ng I-TEQ/m ³ ; Determination in filter dust, ash and slag	VDI 3499 sheet 1 2003-07		GLS DF 140	

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Test range / identification	Group I.1: Determination of emissions Field of activity Sa: Special sampling of substances that require special effort / activities during sampling or analysis				
	Standard / Directive / technical rule Title	Designation	SRM	QM- document	Comment Site
PCDD/PCDF	Emission measurement - Determination of polychlorinated dibenzo-p-dioxins (PCDDs) and dibenzofurans (PCDFs) - Filter/condenser method; Example of application of DIN EN 1948 for the concentration range < 0,1 ng I- TEQ/m ³ and supplement to DIN EN 1948 for the concentration range > 0,1 ng I-TEQ/m ³	VDI 3499 sheet 2 2004-02		GLS DF 140	
PCDD/PCDF	Emission measurement - Determination of polychlorinated dibenzo-p-dioxins (PCDDs) and dibenzofurans (PCDFs) - Cooled probe method; Example of application of DIN EN 1948 for the concentration range < 0,1 ng I- TEQ/m ³ and supplement to DIN EN 1948 for the concentration range > 0,1 ng I-TEQ/m ³	VDI 3499 sheet 3 2004-02		GLS DF 140	
dl-PCB	Stationary source emissions - Determination of the mass concentration of PCDDs/PCDFs and dioxin-like PCBs - Part 4: Sampling and analysis of dioxin-like PCBs; German version EN 1948-4:2010	DIN EN 1948-4 2014-03		GLS DF 140	
PCDD/PCDF and PCB	Stationary source emissions - Determination of the mass concentration of PCDDs/PCDFs and dioxin-like PCBs - Part 5: Long-term sampling of PCDDs/PCDFs and PCBs	DIN CEN/TS 1948-5 2015-06		GLS DF 140	
PAH	Stationary source emissions - Determination of gas and particle- phase polycyclic aromatic hydrocarbons - Part 2: Sample preparation, clean-up and determination	ISO 11338-2 2003-06		GLS OC 300	
PAH	Stationary source emissions - Determination of polycyclic aromatic hydrocarbons (PAH) - GC/MC method	VDI 3874 2006-12		GLS OC 300	
PCBz	Ambient air measurement - Indoor air measurement - Measurement of persistent organic pollutants (POPs) with GC/HRMS	VDI 2464 sheet 4 2015-06		GLS OC 110	

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Testing area / Identifier	Group IV: Determination of ambient air Task area Sa: Special analysis of substances which require specific conditions in sampling or analysis				
Component	Standard / Directive / technical rule			SRM	QM-document
	Title	Designation			
PCDD/PCDF	Ambient air measurement - Indoor air measurement - Measurement of polychlorinated dibenzo-p-dioxins and dibenzofurans; Method using large filters	VDI 3498 sheet 1 2002-07	☒	GLS DF 140	
PCDD/PCDF	Ambient air measurement - Indoor air measurement - Measurement of polychlorinated dibenzo-p-dioxins and dibenzofurans; Method using small filters	VDI 3498 sheet 2 2002-07	☒	GLS DF 140	
PCDD/PCDF	Ambient air measurement - Deposition measurement of low volatile organic compounds - Determination of PCDD/F deposition; Bergerhoff sampling device and GC/HRMS analysis	VDI 2090 sheet 1 2001-01		GLS DF 140	
PCDD/PCDF	Ambient air measurement - Deposition measurement of low volatile organic compounds - Determination of PCDD/F-deposition; Funnel adsorber sampling and GC/HRMS-analysis	VDI 2090 sheet 2 2002-12		GLS DF 140	
PCDD/PCDF	Stationary source emissions - Determination of the mass concentration of PCDDs/PCDFs and dioxin-like PCBs - Part 2: Extraction and clean-up of PCDDs/PCDFs Part 3: Identification and quantification of PCDDs/PCDFs	DIN EN 1948 Part 2-3 2006-06		GLS DF 140	
PCB	Ambient air measurement - Indoor air measurement - Measurement of polychlorinated biphenyls (PCBs) - GC/MS method for PCB 28, 52, 101,138, 153, 180	VDI 2464 sheet 1 2009-09		GLS DF 140	
PCB	Ambient air measurement - Indoor air measurement - Measurement of polychlorinated biphenyls (PCBs) - HR-GC/HR-MS method for coplanar PCBs	VDI 2464 sheet 2 2009-09		GLS DF 140	

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Testing area / Identifier	Group IV: Determination of ambient air Task area Sa: Special analysis of substances which require specific conditions in sampling or analysis				
Component	Standard / Directive / technical rule			SRM	QM-document
	Title	Designation			
PAH	Ambient air - Determination of total (gas and particle phase) polycyclic aromatic hydrocarbons - Collection on sorbent-backed filters with gas chromatographic/mass spectrometric analysis	DIN ISO 12884 2000-12		GLS OC 300	
Benzo[a]pyrene	Air quality - Standard method for the measurement of the concentration of benzo[a]pyrene in ambient air	DIN EN 15549 2008-06		GLS OC 300	
PCBz	Ambient air measurement - Indoor air measurement - Measurement of persistent organic pollutants (POPs) with GC/HRMS	VDI 2464 sheet 4 2019-07		GLS OC 110	

Abbreviations used:

BIA	Berufsgenossenschaftliches Institut für Arbeitssicherheit - methods published by the Federal Institut for Health and Safety at Work (IFA)
CEN	Comité Européen de Normalisation
DIN	Deutsches Institut für Normung e. V.
EN	European Standard
GLS DF xxx	SOP of Eurofins GfA Lab Service GmbH from PCDD/F-Analytics
GLS OC xxx	SOP of Eurofins GfA Lab Service GmbH from Organic Chemistry
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
SOP	Standard Operating Procedure
SRM	Standardreferenzmethode
VDI	Verein Deutscher Ingenieure

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