Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-PL-19594-01-01 according to DIN EN ISO/IEC 17025:2018

Valid from: **14.09.2026**

Date of issue: 14.09.2026

This annex is part of the Accreditation Certificate D-PL-19594-01-00.

Holder of the Accreditation Certificate:

GSA Gesellschaft für Schadstoffanalytik mbH
Christinenstraße 3, 40880 Ratingen

with the location

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Christinenstraße 3, 40880 Ratingen

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:

Sampling and analysis of fibrous particles in indoor air
Sampling of particulate and gaseous air pollutants in indoor air
Analysis of material samples for fibrous particles
Determination of aerosols, vapours and fibrous dusts and of selected parameters for workplace measurements according to the German Ordinance on Hazardous Substances, Section 7 (10)

This annex to the certificate was issued by the Deutsche Akkreditierungsstelle GmbH (DAkkS) and is digitally sealed.
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).

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

Flexible scope of accreditation:

The testing laboratory is permitted to apply the listed standardised or equivalent test methods with different versions of the standards without obtaining prior notification and consent from DAkkS (flexible scope according to categories A).

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 testing laboratory's website.

1 Analysis of fibrous particles, particulate and gaseous air pollutants in indoor air and material samples

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 analysis (Deviation: *Except analytics*)
DIN EN ISO 16000-6 2022-03	Indoor air – Part 6: Determination of volatile organic compounds in indoor air test chamber air by active sampling on Tenax TA® sorbent, thermal desorption and gas chromatography with MS or MS-FID (Deviation: *Except analytics)*
VDI 2464 Blatt 1 2009-09	Ambient air measurement – Indoor air measurement – Measurement of polychlorinated biphenyls (PCBs) – GC/MS method for PCB 28, 52, 101, 138, 153, 180 (Deviation: *Except analytics*)
VDI 3492 2026-01	Indoor air measurement – Ambient air measurement – Measurement of inorganic fibrous particles – Scanning electron microscopy method
VDI 3866-1 2021-12	Determination of asbestos in technical products – Principle – Sampling and sample preparation
VDI 3866-2 2001-10	Determination of asbestos in technical products – Infrared spectroscopy method
VDI 3866-4 2002-02	Determination of asbestos in technical products – Phase contrast optical microscopy method
VDI 3866-5 2017-06	Determination of asbestos in technical products – Scanning electron microscopy method
IFA AM 7487 2003-10	Method for analytical determination of low mass contents of asbestos fibres in powders and dusts with REM/EDX

2 Workplace measurements according to the German Ordinance on Hazardous Substances, Section 7 (10)

Sampling methods for workplace measurements

Group 1 Particles (Respirable and alveolar fractions)	Parameter name	Standard with issue date	Comments/Location
Sampling on filters with a sampling head for the respirable and alveolar fractions	Alveolar dust, alveolar fraction	IFA AM 6068 2015-05	Ratingen
	Respirable dust, respirable fraction	IFA AM 7284 2003-10	Ratingen
	Metal dusts	IFA AM 6068 2015-05 IFA AM 7284 2003-10 IFA AM 7808 2021-02	Ratingen
	Wood dust	IFA AM 7630 2011-11 DGUV 213-541 2006-10	Ratingen
	Diesel engine emissions	DGUV 213-544 1995-06 IFA AM 7050 1997-04	Ratingen
	Chromium(VI)	DGUV 213-505 2017-10	Ratingen
	Amorphous silica	IFA AM 7710 2011-05	Ratingen
	Crystalline silica (quartz, cristobalite)	IFA AM 8522 1995-02	Ratingen

Group 2 Fibres	Parameter name	Standard with issue date	Comments/Location
Sampling on filters with a sampling head for the enumeration of fibres	Asbestos	DGUV 213-531 2014-02 DGUV 213-546 2014-02	Ratingen
	Inorganic fibre materials (synthetic mineral fibres, ceramic fibres)	DGUV 213-531 2014-02 DGUV 213-546 2014-02	Ratingen

Group 4 Multi-phase hazardous substances	Parameter name	Standard with issue date	Comments/Location
	Polycyclic aromatic hydrocarbons Low-volatility	IFA AM 8408 2018-04	Ratingen
	Cooling lubricants	IFA AM 7750 1997-11 IFA AM 7750/1 2020-01	Ratingen
	PCB	IFA AM 8404 2022-11	Ratingen
	Liquid Bitumen	IFA AM 6305/1 IFA AM 6305/2 2008-04	Ratingen

Analytical methods

Group 1 Particles (Respirable and alveolar fractions)	Parameter name	Standard with issue date	Comments/Location
Gravimetry – Measurement of the concentrations of respirable and alveolar dusts	Wood dust	IFA AM 7630 2011-11 DGUV 213-541 2006-10	Ratingen
	Alveolar dust, alveolar fraction	IFA AM 6068 2015-05	Ratingen
	Respirable dust, respirable dust fraction	IFA AM 7284 2003-10	Ratingen

Group 2 Fibres	Parameter name	Standard with issue date	Comments/Location
Scanning electron microscopy enumeration and energy-dispersive X-ray spectroscopy (EDXA) for fibre identification **Analysis in some cases using light microscopy**	Asbestos	DGUV 213-531 2014-02 DGUV 213-546 2014-02	Ratingen
	Inorganic fibre materials (synthetic mineral fibres, ceramic fibres)	DGUV 213-531 2014-02 DGUV 213-546 2014-02	Ratingen

Group 5 Organic substances	Parameter name	Standard with issue date	Comments/Location
Spectrometric methods	Cooling lubricants	IFA AM 7750 1997-11 IFA AM 7750/1 2020-01	Ratingen
	Liquid Bitumen	IFA AM 6305/1 IFA AM 6305/2 2008-04	Ratingen

Group 6 Specific hazardous substances	Parameter name	Standard with issue date	Comments/Location
Coulometry	Diesel engine emissions	DGUV 213-544 1995-06 IFA AM 7050 1997-04	Ratingen
Spectrometric methods	Amorphous silica	IFA AM 7710 2011-05	Ratingen
	Crystalline silica (quartz, cristobalite)	AT 8522 1995-02	Ratingen

The methods listed comply with the requirements for determining the concentration of hazardous substances at workplaces. Together with the review of the reports submitted in sufficient numbers for the individual groups, competence for

Group 1

Group 2

Group 4 Systems with two-phase sampling with summation:
Cooling lubricants, multi-component systems: PAH

for the determination and assessment of concentrations of hazardous substances in air in work areas according to the German Ordinance on Hazardous Substances Section 7 (10) is confirmed.

Abbreviations used:

DGUV	Deutsche Gesetzliche Unfallversicherung (German Social Accident Insurance)
DIN	Deutsches Institut für Normung e.V. (German Institute for Standardisation)
EN	European Standard
IFA AM	Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung (Institute for Occupational Safety and Health of the German Social Accident Insurance), Workbook
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
VDI	Verein Deutscher Ingenieure (Association of German Engineers)