

## Deutsche Akkreditierungsstelle GmbH

### Annex to the Accreditation Certificate D-PL-21219-01-00 according to DIN EN ISO/IEC 17025:2018

**Valid from: 19.10.2018**

Date of issue: 19.10.2018

Holder of certificate:

**AB - Analytik Dr. A. Berg GmbH  
Ruhrstraße 49, 22761 Hamburg**

Tests in the fields:

**Determination of fibrous particles in indoor air and in technical products; Analysis of measuring filters or solids for inorganic fibrous particles; Sampling and analysis of fiber dusts deposited on surfaces; Determination of fiber dusts in workplace measurements in accordance with the Ordinance on Hazardous Substances § 7, cl. 10 (Gefahrstoffverordnung - GefStoffV)**

***Within the given testing field marked with \*, the testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, the following: the free choice of standard or equivalent testing methods.***

***Within the given testing field marked with \*\*\*, the testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use standard or equivalent testing methods listed here with different issue dates for the entire scope of accreditation.***

***The listed testing methods are exemplary. The testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation.***

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

Abbreviations used: see last page

*The certificate together with its annex reflects the status at the time of the date of issue. The current status of the scope of accreditation can be found in the database of accredited bodies of Deutsche Akkreditierungsstelle GmbH.  
<https://www.dakks.de/en/content/accredited-bodies-dakks>*

**Annex to the accreditation certificate D-PL-21219-01-00**

**1 Sampling and sample preparation of asbestos \*\*\***

VDI 3866, Part 1  
December 2000                      Determination of asbestos in technical products – Principle –  
Sampling and sample preparation

**2 Determination of material/dust samples and measuring filters for asbestos and/or artificial mineral fibers by microscopic and electron microscopic methods \***

VDI 3866, Part 4  
February 2002                      Determination of asbestos in technical products –  
Phase contrast optical method

VDI 3866 Part 5  
June 2017                              Determination of asbestos in technical products –  
Scanning electron microscopy method

VDI 3866 Part 5 Annex B  
June 2017                              Determination of asbestos in technical products –  
Scanning electron microscopy method

VDI 3492  
June 2013                              Indoor air measurement –  
Ambient air measurement –  
Measurement of inorganic fibrous particles –  
Scanning electron microscopy method

DGUV Information 213-546  
February 2014                      Method for the Separate Determination of Concentrations of  
Inorganic Fibers in Workplaces –  
Scanning Electron Microscopy Method

VDI 3876  
November 2018                      Measurement of asbestos in construction and demolition waste  
and recycling materials produced there of –  
sample preparation and analysis

VDI 3877 Part 1  
September 2011                      Indoor air pollution –  
Measurement of settled dust on surfaces –  
Scanning electron microscopy method

VDI 3877 Part 2  
December 2014                      Indoor pollution –  
Measurement of fibrous dusts settled on surfaces –  
Sampling strategy and assessment of results

BIA workbook 7487  
Version X/2003 31. Lfg                      Method of analytical determination of low mass contents of asbestos  
fibers in powders, powders or dusts with REM/EDX

**-Translation-**

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VDI 3861 Part 2 January 2008	Stationary source emissions – Measurement of inorganic fibrous particles in exhaust gas – Scanning electron microscopy method
ISO 22262-1 July 2012	Air quality – Bulk materials – Part 1: Sampling and qualitative determination of asbestos in commercial bulk materials. (only SEM and PLM)
ISO 22262-2 September 2014	Air quality – Bulk materials – Part 2: Quantitative determination of asbestos by gravimetric and microscopical methods (only SEM and PLM)

**3 Workplace measurements in accordance with the Ordinance on Hazardous Substances § 7, cl. 10 Gefahrstoffverordnung (GefStoffV) \*\*\***

Group 2 Fibre dust	Title of standard	Standard	QM-Document
Component			VA /AA
<b>Asbestos fibre</b>	Asbestos Fibre	DGUV Information 213-546 February 2014 BIA 7487 Lfg.31 - X/2003 VDI 3866, Blatt 1, 4, 5	AA041 AA042 AA043
<b>Other fibres</b>	Other anorganic fibres	DGUV Information 213-546 February 2014	AA041 AA042 AA043

The listed procedures are in accordance with the requirements applying for determination of concentrations of hazardous substances. The competence for determination and evaluation of concentrations of hazardous substances in the air at workplaces according to § 7, cl. 10 of Hazardous Substances Ordinance (Gefahrstoffverordnung - GefStoffV) is confirmed related with the examination of sufficiently reports for

Group 2.

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**Person in charge:** Dipl.-Chem. Dr. Alexander Berg  
**Deputy person in charge:** Marcel Bartsch, M. Sc.

**Abbreviations used:**

BIA	Berufsgenossenschaftliches Institut für Arbeitssicherheit
DIN	Deutsches Institut für Normung e.V.
DGUV	Deutsche Gesetzliche Unfallversicherung
EN	Europäische Norm
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
PLM	Polarised Light Microscope
SEM	Scanning Elektron Microscope
VDI	Verein Deutscher Ingenieure e. V.

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