Deutsche Akkreditierungsstelle

Annex to the Partial Accreditation Certificate D-PL-19161-01-02 according to DIN EN ISO/IEC 17025:2018

Valid from: **11.01.2024**

Date of issue: 11.01.2024

This annex is a part of the accreditation certificate D-PL-19161-01-00.

Holder of partial accreditation certificate:

CRB Analyse Service GmbH
Bahnhofstraße 14, 37181 Hardegsen

with the location

CRB Analyse Service GmbH
Bahnhofstraße 14, 37181 Hardegsen

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 general with the principles of DIN EN ISO 9001.

Tests in the areas:

Testing of sample collection filters, material samples, dust samples and liquids for asbestos and/or artificial mineral fibers;

This certificate annex 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 given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH at https://www.dakks.de.

Within the given testing field marked with * the testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS 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 the modification, development and refinement of testing methods.

The testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use standards or equivalent testing methods listed here with different issue dates.

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

1 Testing of sample collection filters, material samples, dust samples and liquids on asbestos and/or man-made mineral fibres by means of scanning electron microscopy (SEM/EDX), microanalysis **

ISO 14966 2002-11	Ambient air; Determination of numerical concentration of inorganic fibrous particles - Scanning electron microscopy method *(Here: excluding chapters 5.1, 6.1, 6.2)*
ISO 22309 2015-11	Microbeam analysis - Quantitative analysis using energy-dispersive spectrometry (EDS) for elements with an atomic number of 11 (Na) or above
VDI 3492 2013-06	Indoor air measurement - Ambient air measurement - Measurement of inorganic fibrous particles - Scanning electron microscopy method
VDI 3861, Blatt 2 2008-01	Stationary source emissions - Measurement of inorganic fibrous particles in exhaust gas - Scanning electron microscopy method
VDI 3866 Blatt 1 2000-12	Determination of asbestos in technical products - Principle - Sampling and sample preparation
VDI 3866 Blatt 5 2017-06	Determination of asbestos in technical products - Scanning electron microscopy method
VDI 3877 Blatt 1 2011-09	Indoor air pollution - Measurement of fibrous dust on settled on surfaces - Sampling and analysis (SEM/EDXA)

BGI/GUV 505-46 2013-03	Carcinogenic working materials - Approved analytical methods - Method for separate determination of inorganic fibres in Working Areas – Scanning electron microscopy method
BIA-Arbeitsmappe Nr. 7487 1997-04	Method for analytical determination of small mass contents of asbestos fibres in powders and dusts using SEM/EDX
CRB PA – 10 2013-07	Determination of fiber concentrations in liquids *(without sampling)*
CRB PA – 14 2018-07	Testing of material samples for man-made mineral fibres (MMMF) and other artificial fibres

Abbreviations used:

BGI	Hauptverband der gewerblichen Berufsgenossenschaften
BIA	Berufsgenossenschaftliches Institut für Arbeitsschutz
CRB PA	In-house method of the CRB Analyse Service GmbH
DIN	Deutsches Institut für Normung e.V. – German institute for standardization
EDS	Energy dispersive spectroscopy
EDXA	Energy dispersive X-Ray microanalysis
EN	Europäische Norm – European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardisation
VDI	Verein Deutscher Ingenieure