

Deutsche Akkreditierungsstelle

Annex to the Partial Accreditation Certificate D-PL-11035-01-02 according to DIN EN ISO/IEC 17025:2018

Valid from: 11.04.2024

Date of issue: 27.05.2024

This annex is a part of the accreditation certificate D-PL-11035-01-00.

Holder of partial accreditation certificate:

DMT GmbH & Co. KG
Am TÜV 1, 45307 Essen

with the locations

DMT GmbH & Co. KG
Tremoniastraße 13
44137 Dortmund

DMT GmbH & Co. KG
APS 2 Prüfstelle für Lufthygiene
Prüfstelle für Kälte- Klima und Wärmetechnik, Messstelle Arbeitsplatzmessung
gemäß § 7 Abs. 10 GefStoffV
Am TÜV 1, 45307 Essen

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.

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>.

Annex to the Partial Accreditation Certificate D-PL-11035-01-02

Tests in the field of:

Determination of the performance of air filters and aerosol separators as well as systems equipped with them; determination of aerosols and fiber dusts, of inorganic and organic gases and vapors as well as of selected parameters during workplace measurements according to the Ordinance on Hazardous Substances §7, para. 10

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 testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation.

For their

**Testing laboratory for Air Hygiene
Measuring body "workplace measurements"**

The test fields are marked with the symbols of the test bodies listed below, at which they are carried out:

Testing laboratory for Air Hygiene (PLH)	Measuring body "workplace measurements" (MSA)
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1 Determination of the performance of air filters and aerosol separators as well as plants equipped with them (PLH)

Office Essen

DIN EN 136 1998-04	Respiratory protective devices – Full face masks - Requirements, testing, marking <i>(Limitation: without clause Abs. 8.4,8.6,8.8-8.13,8.17)</i>
DIN EN 140 1998-12	Respiratory protective devices - Half masks and quarter-masks - Requirements, testing, marking <i>(Limitation: without clause 7.4,7.7,7.8, 7.10)</i>
DIN EN 143 2021-07	Respiratory protective devices - Particle filters - Requirements, testing, marking
DIN EN 149 2009-08	Respiratory protective devices - Filtering half masks to protect against particles - Requirements, testing, marking
DIN EN 13274-1 2001-04	Respiratory protective devices - Methods of test - Part 1: Determination of inward leakage and total inward leakage

Annex to the Partial Accreditation Certificate D-PL-11035-01-02

DIN EN 13274-3 2002-03	Respiratory protective devices - Methods of test - Part 3: Determination of breathing resistance
DIN EN 13274-5 2001-10	Respiratory protective devices - Methods of test - Part 5: Climatic conditions
DIN EN 13274-6 2002-03	Respiratory protective devices - Methods of test - Part 6: Determination of carbon dioxide content of the inhalation air
DIN EN 13274-7 2019-09	Respiratory protective devices - Methods of test - Part 7: Determination of particle filter penetration
DIN EN 13274-8 2003-04	Respiratory protective devices - Methods of test - Part 8: Determination of dolomite dust clogging
DIN EN 60335-2-69 2015-07 VDE 0700-69 2015-07	Household and similar electrical appliances - Safety - Part 2-69: Particular requirements for wet and dry vacuum cleaners, including power brush for commercial use <i>(here: Annex AA - Particular requirements for vacuum cleaners, sweepers and dust extractors designed to pick up dust harmful to health.)</i>
IEC 60335-2-40 2022-05	Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrically operated heat pumps, air- conditioners and dehumidifiers. <i>(here: Annex FF - Simulation of a refrigerant leakage, Annex MM - test to confirm the position of the refrigerant sensor)</i>
IEC 60335-2-69 2021-04	Household and similar electrical appliances - Safety - Part 2-69: Particular requirements for wet and dry vacuum cleaners, including power brush, for commercial use <i>(here: Annex AA - Particular requirements for vacuum cleaners and dust extractors for the collection of hazardous dusts)</i>

Office Dortmund

DIN EN 13274-4 2020-12	Respiratory protective devices - Methods of test - Part 4: Flame test
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Annex to the Partial Accreditation Certificate D-PL-11035-01-02

2 Determination of aerosols and fiber dusts, of inorganic and organic gases and vapors as well as of selected parameters and/or in selected areas during workplace measurements according to the Ordinance on Hazardous Substances §7, Para. 10 (MSA)

Group 1 Aerosols (without fibrous dust)	Title of standard	Standard release date	QM-Document	Comment / Location
<u>Subarea/ Component</u>			VA /AA	
<u>Dust mass determination</u>				Analytics by accredited third- party laboratory
<u>Respirable dust content</u>	Respirable dust content	IFA 6068:2015-05	MSA 1.2	
<u>Inhalable dust content</u>	Inhalable dust content	IFA 7284:2003-10	MSA 1.1	
<u>Metals and metal compounds including chromium VI compounds</u>	Staubinhaltsstoffe (Pb, Cd, Cr, Co, Cu, Mn, Ni, V, Zn)	IFA 7808:2013-12	MSA 1.3	
	Chromate	IFA 6665:2014-10 IFA 6664:2022-02	MSA 1.4 / MSA 1.8	
<u>Simple organic ingredient</u>	Benzo[a]pyren	NIOSH 5506:1998-10	MSA 1.7	
<u>Crystalline fibrous dusts</u>	Quarz	IFA 8522:2005-04	MSA 1.6	

Group 2 Fibre dust	Title of standard	Standard release date	QM-Document	Comment / Location
<u>Subarea/ Component</u>			VA /AA	
<u>Asbestos fibre</u>	Method for the separate determination of respi- rable asbestos fibres and other inorganic fibres - SEM method	BGI/GUV-I 505-46: 2014-02	MSA 2.1	Analytics by accredited third- party laboratory
<u>Other fibres</u>	Method for the separate determination of respi- rable asbestos fibres and other inorganic fibres - SEM method	BGI/GUV-I 505-46: 2014-02	MSA 2.1	Analytics by accredited third- party laboratory

Annex to the Partial Accreditation Certificate D-PL-11035-01-02

Group 3 Inorganic gases and vapors	Title of standard	Standard release date	QM-Document	Comment / Location
<u>Subarea/ Component</u>			VA /AA	
<u>Hydrogen halides and other inorganic acids</u>	Volatile inorganic acids: Hydrogen bromide Hydrogen chloride Nitric acid	IFA 6172:2007-04	MSA 3.1	Analytics by accredited third- party laboratory
	Particulate inorganic acids: Phosphoric acid Sulfuric acid	IFA 6173:2016-05	MSA 3.1	
	Fluorides and hydrogen fluoride	IFA 7512:2006-05	MSA 3.7	
<u>Other volatile hydrides</u>	Ammoniak	NIOSH 6016: 1996-05	MSA 3.2	
<u>Non-metallic oxides (semi-quantitativ)</u>	Ozon	Dräger-Handbuch	MSA 3.6	Analytics by accredited third- party laboratory
<u>Continious measuring technology (semi-quantitativ)</u>	Continious measurement of inorganic gases and vapors (CO, CO ₂ , NO, NO ₂)	IFA 9070:2014-12 IFA 9050:2013-12	MSA 3.5	Analytics by accredited third- party laboratory

Group 4 Organic gases and vapors	Title of standard	Standard release date	QM-Document	Comment / Location
<u>Subarea/ Component</u>			VA /AA	
<u>Aliphatic and aromatic hydrocarbons</u>	Hydrocarbons, aliphatic (for example Heptane)	IFA 7732:2011-11	MSA 4.3	Analytics by accredited third- party laboratory
	Hydrocarbons, aromatic (for example phenyl methane or Benzene or Styrene)	IFA 7733:2005-04 IFA 6265:2013-10	MSA 4.1	
	Hydrocarbons aromatic (Styrene)	IFA 8635:2011-05	MSA 4.1	
<u>Volatile halogenated hydrocarbons (LHKW)</u>	Hydrocarbons, chlorinated (for example Dichloromethane)	IFA 6600:2006-10	MSA 4.1	

Annex to the Partial Accreditation Certificate D-PL-11035-01-02

<u>Ketones and esters</u>	Ketones (for example Acetone)	IFA 7708:2005-04	MSA 4.9	
	Acetate (for example Ethylacetate)	IFA 7322:2009-05	MSA 4.6	
<u>Alcohol</u>	Alcohol (for example 2-Propanol)	IFA 8415:1997-04	MSA 4.5	
<u>Aldehyde</u>	Aldehyde (for example formaldehyde)	IFA 6045:2009-11	MSA 4.2	
<u>Phenole</u>	Phenol, cresols, furaldehyde	IFA 8330:2016-10 IFA 7540:2010-08	MSA 4.8	
<u>Glycol and their derivatives</u>	Glycol esters, glycol ethers, tetrahydrofuran	IFA 7569:2013-04 IFA 7335:2009-05	MSA 4.7	
<u>Amines</u>	Amines (for example Diethylamin)	IFA 6072:2019-10	MSA 4.10	
<u>Organic acids</u>	Organic acids (for example acetic acid)	IFA 7320:1993-10	MSA 4.13	

Group 5 Selected parameters	Title of Standard	Standard release date	QM-Document	Comment / Location
<u>Subarea/ Component</u>			VA /AA	
<u>Multi component systems</u>	Solid cooling lubricants	IFA 7750:1997-11	MSA 5.1	Analytics by accredited third- party laboratory
<u>Diesel engine emissions (DME)</u>	Diesel engine emissions	BGI 505-44:1995	MSA 1.5	
<u>Further subareas / components</u>	Diisocyanates	MDHS 25/3:1999	MSA 5.2	

The listed procedures are in accordance with the requirements applying for determining of concentration of hazardous substances in workplaces. Together with the examination of the reports submitted in sufficient numbers for the individual groups, for the

Group 1
Group 2
Group 3
Group 4
Group 5 (cooling lubricants, DME, Diisocyanate)

The competence for determination and evaluation of concentrations of hazardous substances in the air at work areas according to § 7, cl. 10 of Hazardous Substances Ordinance (GefStoffV) is confirmed

Annex to the Partial Accreditation Certificate D-PL-11035-01-02

Abbreviations used:

AA/SOP	Work instruction of the DMT GmbH & Co. KG
BGI	Trade association information
DIN	German Institute for Standardisation
EN	European Standard
IEC	International Electrotechnical Commission
IFA	Institute for Occupational Safety
MDHS	Methods for the Determination of Hazardous Substances
NIOSH	National Institute for Occupational Safety and Health
REM	scanning electron microscope
UBO	Test method of the Wessling GmbH
VDE	Association for Electrical, Electronic and Information Technology e. V.