

Deutsche Akkreditierungsstelle

Annex to the Partial Accreditation Certificate D-PL-12083-01-03 according to DIN EN ISO/IEC 17025:2018

Valid from: 19.07.2023

Date of issue: 19.07.2023

This annex is a part of the accreditation certificate D-PL-12083-01-00.

Holder of partial accreditation certificate:

Hohenstein Laboratories GmbH & Co. KG
Schloss Hohenstein, 74357 Bönningheim, GERMANY

with the location

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Schloss Hohenstein, 74357 Bönningheim, GERMANY

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.

Personal Protective Equipment

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>.

Abbreviations used: see last page

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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 use standardised or equivalent test methods listed here with different issue dates without being required to prior inform and obtain approval from DAkkS (flexibilization according to category 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 website of the testing laboratory.

1 Testing of Personal Protective Equipment

1.1 Test and Requirement Standards

DIN EN 1149-5 2018-11	Protective clothing - Electrostatic properties - Part 5: Material performance and design requirements (EN 1149-5:2018)
DIN EN 12477 2005-09	Protective gloves for welders (EN 12477:2001 + A1:2005)
DIN EN 13034 2009-08	Protective clothing against liquid chemicals - Performance requirements for chemical protective clothing offering limited protective performance against liquid chemicals (Type 6 and Type PB [6] equipment) (EN 13034:2005 + A1:2009) exempt: 5.2 mist test
DIN EN 13567 2007-09	Protective clothing - Hand, arm, chest, abdomen, leg, genital and face protectors for fencers - Requirements and test methods (EN 13567:2002+A1:2007) exempt: 5.8 Restraint testing of masks 5.9 Bib attachment testing 5.10 Burst testing 5.11 Burst testing
DIN EN 13911 2017-11	Protective clothing for firefighters - Requirements and test methods for fire hoods for firefighters (EN 13911:2017)
DIN EN 14058 2018-01	Protective clothing - Garments for protection against cool environments (EN 14058:2017) Annex A

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DIN EN 14126 2004-01	Protective clothing - Performance requirements and test methods for protective clothing against infective agents (EN 14126:2003) exempt: 4.1.4.3 Resistance to penetration by contaminated liquid aerosols
DIN EN 143 2021-07	Respiratory protective devices - Particle filters - Requirements, testing, marking (EN 143:2021) 7.4.2 Mechanical strength
DIN EN 14325 2018-08	Protective clothing against chemicals - Test methods and performance classification of chemical protective clothing materials, seams, joins and assemblages (EN 14325:2018)
DIN EN 14404 2010-05	Personal protective equipment - Knee protectors for work in the kneeling position (EN 14404:2004 + A1:2010) exempt: 6.5 Penetration resistance 6.6 Force distribution 6.7 Impact testing 6.9 Water resistance of knee protectors 6.11 Compliance of straps
DIN EN 14605 2009-08	Protective clothing against liquid chemicals - Performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections, including items providing protection to parts of the body only (Types PB [3] and PB [4]) (EN 14605:2005+A1:2009)
DIN EN 149 2009-08	Respiratory protective devices - Filtering half masks to protect against particles - Requirements, testing, marking (EN 149:2001+A1:2009) exempt: 8.10 Clogging
DIN EN 16350 2014-07	Protective gloves - Electrostatic properties (EN 16350:2014)
DIN EN 16523-1 2015-04	Determination of material resistance to permeation by chemicals - Part 1: Permeation by liquid chemical under conditions of continuous contact (EN 16523-1:2015)
DIN EN 16689 2017-06	Protective clothing for firefighters - Performance requirements for protective clothing for technical rescue (EN 16689:2017)
DIN EN 342 2018-01	Protective clothing - Ensembles and garments for protection against cold (EN 342:2017)

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DIN EN 343 2019-06	Protective clothing - Protection against rain (EN 343:2019)
DIN EN 374-4 2014-03	Protective gloves against chemicals and micro-organisms - Part 4: Determination of resistance to degradation by chemicals (EN 374-4:2013)
DIN EN 388 2019-03	Protective gloves against mechanical risks (EN 388:2016+A1:2018)
DIN EN 407 2020-06	Protective gloves and other hand protective equipments against thermal risks (heat and/or fire) (EN 407:2020)
DIN EN 469 2020-12	Protective clothing for firefighters - Performance requirements for protective clothing for firefighting activities (EN 469:2020) exempt: 6.15 Optional test - Testing on completeness of clothing
DIN EN 510 2020-02	Specification for protective clothing for use where there is a risk of entanglement with moving parts (EN 510: 2019)
DIN EN 511 2006-07	Protective gloves against cold (EN 511:2006)
DIN EN 61482-2 2021-01	Live working - Protective clothing against the thermal hazards of an electric arc - Part 2: Requirements (EN 61482-2:2020) exempt: 5.4 Tests of arc thermal resistance requirements
DIN EN 659 2008-06	Protective gloves for firefighters (EN 659:2003 + A1:2008)
DIN EN ISO 11393-1 2018-12	Protective clothing for users of hand-held chainsaws - Part 1: Test rig for testing resistance to cutting by a chainsaw (EN ISO 11393-1:2018)
DIN EN ISO 11393-2 2020-03	Protective clothing for users of hand-held chainsaws - Part 2: Performance requirements and test methods for leg protectors (EN ISO 11393-2:2019)
DIN EN ISO 11393-6 2020-01	Protective clothing for users of hand-held chainsaws - Part 6: Performance requirements and test methods for upper body protectors (EN ISO 11393-6:2019)
DIN EN ISO 11611 2015-11	Protective clothing for use in welding and allied processes (EN ISO 11611:2015)

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DIN EN ISO 11612 2015-11	Protective clothing - Clothing to protect against heat and flame - Minimum performance requirements (EN ISO 11612:2015) exempt: 9. Optional test - Whole garment test against fire exposure on thermal manikin
DIN EN ISO 13688 2022-04	Protective clothing - General requirements (EN ISO 13688:2013 + Amd 1:2021)
DIN EN ISO 14116 2015-11	Protective clothing - Protection against flame - Limited flame spread materials, material assemblies and clothing (EN ISO 14116:2015)
DIN EN ISO 15384 2022-04	Protective clothing for firefighters - Laboratory test methods and performance requirements for wildland firefighting clothing (EN ISO 15384:2020 + A1:2021)
DIN EN ISO 17491-3 2008-12	Protective clothing - Test methods for clothing providing protection against chemicals - Part 3: Determination of resistance to penetration by a jet of liquid (jet test) (EN ISO 17491-3:2008)
DIN EN ISO 17491-4 2016-09	Protective clothing - Test methods for clothing providing protection against chemicals - Part 4: Determination of resistance to penetration by a spray of liquid (spray test) (EN ISO 17491-4:2008+A1:2016)
DIN EN ISO 20471 2017-03	High visibility clothing - Test methods and requirements (EN ISO 20471:2013 + A1:2016) exempt: 6. Photometric performance requirements for retroreflective material and combined performance material after physical exposure
DIN EN ISO 21420 2020-06	Protective gloves - General requirements and test methods (EN ISO 21420:2020)
DIN EN ISO 374-1 2018-10	Protective gloves against chemicals and micro-organisms - Part 1: Terminology and performance requirements (EN ISO 374-1:2016+A1:2018)
DIN EN ISO 374-2 2020-04	Protective gloves against dangerous chemicals and micro-organisms - Part 2: Determination of resistance to penetration (EN ISO 374-2:2019)
DIN EN ISO 374-5 2017-03	Protective gloves against dangerous chemicals and micro-organisms - Part 5: Terminology and performance requirements for micro-organisms risks (EN ISO 374-5:2016)

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DIN EN ISO 6529 2003-01	Protective clothing - Protection against chemicals - Determination of resistance of protective clothing materials to permeation by liquids and gases (EN ISO 6529:2001) exempt: 8.4 Method B 8.5 Method C
ISO 15383 2001-09	Protective gloves for firefighters Laboratory test methods and performance requirements exempt: 6.4.2 Liquid penetration resistance
ANSI / ISEA 107-2015	American National Standard for High-Visibility Safety Apparel and Headwear
DGUV Regel 105-003 2016-05	Use of personal protective equipment in the emergency services

1.2 Textile-Physical Tests

DIN EN 1149-1 2006-09	Protective clothing - Electrostatic properties - Part 1: Test method for measurement of surface resistivity (EN 1149-1:2006)
DIN EN 1149-2 1997-11	Protective clothing - Electrostatic properties - Part 2: Test method for measurement of the electrical resistance through a material (vertical resistance) (EN 1149-2:1997)
DIN EN 1149-3 2004-07	Protective clothing - Electrostatic properties - Part 3: Test methods for measurement of charge decay (EN 1149-3:2004)
DIN EN 13274-4 2001-04	Respiratory protective devices - Methods of test - Part 4: Flame test (EN 13274-4:2001) exempt: 8. One burner testing with moving test sample: method 3
DIN EN 13274-7 2019-09	Respiratory protective devices - Methods of test - Part 7: Determination of particle filter penetration (EN 13274-7:2019)
DIN EN 25978 1993-11	Rubber- or plastics-coated fabrics; Determination of blocking resistance (ISO 5978:1990) (EN 25978:1993)
DIN EN 348 1992-11	Protective clothing; test method; determination of behaviour of materials on impact of small splashes of molten metal (EN 348:1992)
DIN EN 530 2010-12	Abrasion resistance of protective clothing material - Test methods (EN 530:2010)
DIN EN 863 1995-11	Protective clothing - Mechanical properties - Test method: Puncture resistance (EN 863:1995)
DIN EN ISO 11092 2014-12	Textiles - Physiological effects - Measurement of thermal and water-vapour resistance under steady-state conditions (sweating guarded-hotplate test) (EN ISO 11092:2014)
DIN EN ISO 12127-1 2016-05	Clothing to protect against heat and flame - Determination of contact heat transmission through clothing or constituent materials - Part 1: Contact heat produced by heating cylinder (EN ISO 12127-1:2015)
DIN EN ISO 12945-2 2021-04	Textiles - Determination of fabric propensity to surface pilling, fuzzing or matting - Part 2: Modified Martindale method (EN ISO 12945-2:2020)

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DIN EN ISO 12947-2 2017-03	Textiles - Determination of the abrasion resistance of fabrics by the Martindale method - Part 2: Determination of specimen breakdown (EN ISO 12947-2:2016)
DIN EN ISO 13934-1 2013-08	Textiles - Tensile properties of fabrics - Part 1: Determination of maximum force and elongation at maximum force using the strip method (EN ISO 13934-1:2013)
DIN EN ISO 13934-2 2014-06	Textiles - Tensile properties of fabrics - Part 2: Determination of maximum force using the grab method (EN ISO 13934-2:2014)
DIN EN ISO 13937-1 2000-06	Textiles - Tear properties of fabrics - Part 1: Determination of tear force using ballistic pendulum method (Elmendorf) (EN ISO 13937-1:2000)
DIN EN ISO 13937-2 2000-06	Textiles - Tear properties of fabrics - Part 2: Determination of tear force of trouser-shaped test specimens (single tear method) (EN ISO 13937-2:2000)
DIN EN ISO 13938-2 2020-03	Textiles - Bursting properties of fabrics - Part 2: Pneumatic method for determination of bursting strength and bursting distension (EN ISO 13938-2:2019)
DIN EN ISO 13997 1999-10	Protective clothing - Mechanical properties - Determination of resistance to cutting by sharp objects (EN ISO 13997:1999)
DIN EN ISO 1421 2017-03	Rubber- or plastics-coated fabrics - Determination of tensile strength and elongation at break (EN ISO 1421:2016)
DIN EN ISO 14268 2013-03	Leather - Physical and mechanical tests - Determination of water vapour permeability (EN ISO 14268:2012)
DIN EN ISO 15025 2017-04	Protective clothing - Protection against flame - Method of test for limited flame spread (ISO 15025:2016)
DIN EN ISO 3146 2002-06	Plastics - Determination of melting behaviour (melting temperature or melting range) of semi-crystalline polymers by capillary tube and polarizing-microscope methods (EN ISO 3146:2000) Method B - Polarizing microscope
DIN EN ISO 3376 2020-08	Leather - Physical and mechanical tests - Determination of tensile strength and percentage elongation (EN ISO 3376:2020)

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DIN EN ISO 3377-1 2012-03	Leather - Physical and mechanical tests - Determination of tear load - Part 1: Single edge tear (EN ISO 3377-1:2011)
DIN EN ISO 3759 2011-08	Textiles - Preparation, marking and measuring of fabric specimens and garments in tests for determination of dimensional change (EN ISO 3759:2011)
DIN EN ISO 4674-1 2017-03	Rubber- or plastics-coated fabrics - Determination of tear resistance - Part 1: Constant rate of tear methods (EN ISO 4674-1:2016)
DIN EN ISO 4920 2012-12	Textile fabrics - Determination of resistance to surface wetting (spray test) (EN ISO 4920:2012)
DIN EN ISO 5077 2008-04	Textiles - Determination of dimensional change in washing and drying (EN ISO 5077:2008)
DIN EN ISO 6530 2005-05	Protective clothing - Protection against liquid chemicals - Test method for resistance of materials to penetration by liquids (EN ISO 6530:2005)
DIN EN ISO 6940 2004-06	Textile fabrics - Burning behaviour - Determination of ease of ignition of vertically oriented specimens (EN ISO 6940:2004)
DIN EN ISO 6941 2004-05	Textile fabrics - Burning behaviour - Measurement of flame spread properties of vertically oriented specimens (EN ISO 6941:2003)
DIN EN ISO 6942 2002-09	Protective clothing - Protection against heat and fire - Method of test: Evaluation of materials and material assemblies when exposed to a source of radiant heat (EN ISO 6942:2002)
DIN EN ISO 7854 1997-04	Rubber- or plastics-coated fabrics - Determination of resistance to damage by flexing (EN ISO 7854:1997) exempt: 3. Method A - De Mattia method
DIN EN ISO 811 2018-08	Textiles - Determination of resistance to water penetration - Hydrostatic pressure test (EN ISO 811:2018)
DIN EN ISO 9073-4 2021-05	Nonwovens - Test methods - Part 4: Determination of tear resistance by the trapezoid procedure (EN ISO 9073-4:2021)
DIN EN ISO 9151 2017-05	Protective clothing against heat and flame - Determination of heat transmission on exposure to flame (EN ISO 9151:2016)

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DIN EN ISO 9185 2007-09	Protective clothing - Assessment of resistance of materials to molten metal splash (EN ISO 9185:2007)
DIN EN ISO 9237 1995-12	Textiles - Determination of permeability of fabrics to air (EN ISO 9237:1995)
DIN EN ISO/CIE 11664-4 2020-03	Colorimetry - Part 4: CIE 1976 L*a*b* colour space (EN ISO/CIE 11664-4:2019)
ISO 16603 2004-04	Clothing for protection against contact with blood and body fluids - Determination of the resistance of protective clothing materials to penetration by blood and body fluids - Test method using synthetic blood
ISO 16604 2004-04	Clothing for protection against contact with blood and body fluids - Determination of resistance of protective clothing materials to penetration by blood-borne pathogens - Test method using Phi-X 174 bacteriophage
ISO 17493 2016-12	Kleidung und Ausrüstung zum Schutz gegen Hitze - Prüfung des konvektiven Hitze-Widerstandes bei der Benutzung eines Heißluftumwälzofens
ISO 4675 1990-07	Rubber- or plastics-coated fabrics - Low-temperature bend test
ISO 5085-1 1989-11	Textiles; determination of thermal resistance; part 1: low thermal resistance
ISO 9150 1988-12	Protective clothing; determination of behaviour of materials on impact of small splashes of molten metal
ISO/DIS 22611 2003-07 Withdrawn draft	Clothing for protection against infectious agents - Test method for resistance to penetration by biologically contaminated aerosols

1.3 Colour Fastnesses

DIN EN 20105-N01 1995-03	Textiles - Tests for colour fastness - Part N01: Colour fastness to bleaching: Hypochlorite (EN 20105-A02:1994)
DIN EN ISO 105-B02 2014-11	Textiles - Tests for colour fastness - Part B02: Colour fastness to artificial light: Xenon arc fading lamp test (EN ISO 105-B02:2014)
DIN EN ISO 105-C06 2010-08	Textiles - Tests for colour fastness - Part C06: Colour fastness to domestic and commercial laundering (EN ISO 105-C06:2010)
DIN EN ISO 105-C10 2007-06	Textiles - Tests for colour fastness - Part C10: Colour fastness to washing with soap or soap and soda (EN ISO 105-C10:2007)
DIN EN ISO 105-D01 2010-10	Textiles - Tests for colour fastness - Part D01: Colour fastness to dry cleaning using perchloroethylene solvent (EN ISO 105-D01:2010)
DIN EN ISO 105-E04 2013-08	Textiles - Tests for colour fastness - Part E04: Colour fastness to perspiration (EN ISO 105-E04:2013)
DIN EN ISO 105-N02 2018-12	Textiles - Tests for colour fastness - Part N02: Colour fastness to bleaching: Peroxide (EN ISO 105-N02:1995)
DIN EN ISO 105-P01 1995-04	Textiles - Tests for colour fastness - Part P01: Colour fastness to dry heat (excluding pressing) (EN ISO 105-P01:1995)
DIN EN ISO 105-X11 1996-10	Textiles - Tests for colour fastness - Part X11: Colour fastness to hot pressing (EN ISO 105-X11:1996)
DIN EN ISO 105-X12 2016-11	Textiles - Tests for colour fastness - Part X12: Colour fastness to rubbing (EN ISO 105-X12:2016)

1.4 Pre-treatment

DIN EN ISO 15797 2018-05	Textiles - Industrial washing and finishing procedures for testing of workwear (EN ISO 15797:2018)
DIN EN ISO 3175-2 2020-05	Textiles - Professional care, drycleaning and wetcleaning of fabrics and garments - Part 2: Procedure for testing performance when cleaning and finishing using tetrachloroethene (EN ISO 3175-2:2018)
DIN EN ISO 6330 2022-03	Textiles - Domestic washing and drying procedures for textile testing (EN ISO 6330:2021)

Abbreviations used:

ANSI	American National Standards Institute
CIE	Commission internationale de l'éclairage [International Commission on Illumination]
DGUV	Deutsche Gesetzliche Unfallversicherung [German Social Accident Insurance]
DIN	Deutsches Institut für Normung [German Institute for Standardisation]
EN	Europäische Norm [European Standard]
IEC	International Electrotechnical Commission
ISEA	International Safety Equipment Association
ISO	International Organization for Standardization

Abbreviations used:

DIN	Deutsches Institut für Normung e.V. – German institute for standardization
EN	Europäische Norm – European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardisation
XYZ	In house method of the CAB