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Annex to the Accreditation Certificate D-PL-17150-01-01 according to DIN EN ISO/IEC 17025:2018

Valid from: **01.09.2025**

Date of issue: 01.12.2025

This annex is a part of the Accreditation Certificate D-PL-17150-01-00.

Holder of the Accreditation Certificate:

Henkel AG & Co. KGaA
Henkelstraße 67, 40589 Düsseldorf

with the location

Henkel AG & Co. KGaA
Corporate Scientific Solutions
Henkelstraße 67, 40589 Düsseldorf, Geb. Z33, Z43

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:

physical, physico-chemical, chemical and microbiological analysis of water (raw water, process water, industrial water, water of water dispensers);
sampling of raw water and drinking water, process water as well as water of water dispensers; microbiological and selected chemical analysis according to Drinking Water Regulation

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).

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 Analysis of water (raw water, process water, industrial water as well as water of water dispensers)

1.1 Sample preparation

DIN EN ISO 19458 (K 19) 2006-12	Water quality - Sampling for microbiological tests

1.2 Physical and physico-chemical parameters

DIN 38404-C 4 1976-12	Determination of temperature
DIN EN ISO 10523 (C 5) 2012-04	Water quality – Determination of pH-value
DIN EN 27888 (C 8) 1993-11	Water Quality – Determination of electrical conductivity

1.3 Cations

DIN EN ISO 11885 (E 22) 2009-09	Water quality - Determination of selected elements by inductively coupled plasma optical emission spectrometry (ICP-OES) (Restriction: o*nly iron and copper*)
DIN EN ISO 17294-2 (E 29) 2017-01	Water quality - application of inductively coupled plasma mass spectrometry (ICP-MS) - Part 2: Determination of selected elements including uranium isotopes (Restriction: *only cadmium, lead, copper and nickel*)

1.4 Microbiological analysis

DIN EN ISO 16266 (K 11) 2008-05	Water quality – Detection and enumeration of Pseudomonas aeruginosa – Method by membrane filtration
DIN EN ISO 9308-1 (K 12) 2017-09	Water quality – Detection and enumeration of Escherichia coli and coliform bacteria – Part 1: Membrane filtration method for waters with low bacterial background flora
DIN EN ISO 7899-2 (K 15) 2000-11	Water quality – Detection and enumeration of intestinal enterococci – part 2: Membrane filtration method
DIN EN ISO 11731 (K 23) 2019-03	Water quality – Enumeration of Legionella (Restriction: *only matrix A*)
DIN EN ISO 14189 (K 24) 2016-11	Water quality – Enumeration of Clostridium perfringens - Method using membrane filtration
UBA recommen. 2018-12 upd. 2022-12	Systemic analysis of drinking water installations regarding Legionella according to Drinking Water Regulation - Sampling, examination procedure and indication of the result
TrinkwV §43 section (3)	Determination of colony count
Ph. Eur. 10.0/0008 2020-07	Purified water (Aqua purificata) as bulk (Restriction: *only microbiological tests;* Modification: *application to production water*)

2 Testing according to Drinking Water Regulation - TrinkwV -

Trinkwasserverordnung (TrinkwV) of June 20, 2023 (BGBl. 2023 I No. 159, page 2)

SAMPLING

Method	Title
DIN ISO 5667-5 2011-02	Water quality - sampling - part 5: guidance on sampling of drinking water from treatment works and piped distribution systems
DIN EN ISO 19458 2006-12	Water quality - sampling for microbiological tests
UBA recommendation December 18, 2018 (Legionella)	Systemic analysis of drinking water installations regarding Legionella according to drinking water Regulation - Sampling, examination procedure and indication of the result
Recommendation of the Environmental Protection Agency, December 18, 2018 (staggered stagnation, sampling and random sample)	Assessing the quality of drinking water with regard to the parameters lead, copper and nickel

ATTACHMENT 1: MICROBIOLOGICAL PARAMETERS

PART I: General requirements for drinking water

Method	Title
Escherichia coli (E. coli)	DIN EN ISO 9308-1 2017-09
Intestinal Enterococci	DIN EN ISO 7899-2 2000-11

PART II: Requirements for drinking water designated for distribution in sealed containers

Method	Title
Escherichia coli (E. coli)	DIN EN ISO 9308-1 2017-09
Intestinal Enterococci	DIN EN ISO 7899-2 2000-11
Pseudomonas aeruginosa	DIN EN ISO 16266 2008-05

ATTACHMENT 2: CHEMICAL PARAMETERS

PART I: Chemical parameters with a concentration usually not increased in the distribution network including drinking water installations

not used

PART II: Chemical parameters with a concentration possibly increasing in the distribution network including drinking water installations

Method	Title
Antimony	not used
Arsenic	not used
Benzo(a)pyrene	not used
Bisphenol A	not used
Lead	DIN EN ISO 17294-2 2017-01
Cadmium	DIN EN ISO 17294-2 2017-01
Chlorate	not used
Chlorite	not used
Epichlorohydrin	not used
Haloacetic acids (HAA-5)	not used
Copper	DIN EN ISO 17294-2 2017-01 DIN EN ISO 11885 2009-09
Nickel	DIN EN ISO 17294-2 2017-01
Nitrite	not used
Polycyclic aromatic hydrocarbons (PAH)	not used
Trihalogen methane (THM)	not used
Vinyl chloride	not used

ATTACHMENT 3: INDICATOR PARAMETERS

Part I: General indicator parameters

Method	Title
Aluminium	not used
Ammonium	not used
Calcite solubility capacity	not used
Chloride	not used
Clostridium perfringens, including spores	DIN EN ISO 14189 2016-11
Coliform bacteria	DIN EN ISO 9308-1 2017-09
Iron	DIN EN ISO 11885 2009-09
Electrical conductivity	DIN EN 27888 1993-11
Colour	not used
Odour	not used
Taste	not used
Colony count at 22 °C	TrinkwV §43 section (3)
Colony count at 36 °C	TrinkwV §43 section (3)
Manganese	not used
Sodium	not used
Total organic carbon (TOC)	not used
Oxidizability	not used
Sulfate	not used
Turbidity	not used
Hydrogen ion concentration	DIN EN ISO 10523 2012-04

PART II: Special requirements for drinking water in drinking water installation systems

Method	Title
Legionella spec.	DIN EN ISO 11731 2019-03 UBA recommendation December 18, 2018 updated December 2022 (Bundesgesundheitsblatt 2023 page 224)

PART III: Special indicator parameter for the occurrence of certain microbial hazards

not used

ATTACHMENT 4: REQUIREMENTS FOR DRINKING WATER WITH REGARD TO RADIOACTIVE SUBSTANCES

not used

PARAMETERS NOT INCLUDED IN ATTACHMENTS 1 – 4 OF DRINKING WATER REGULATION

Further periodical tests

not used

The accreditation does not substitute the recognition and approval procedure of the competent authority according to § 40 section (2) TrinkwV.

Abbreviations used:

DIN	Deutsches Institut für Normung e.V.
EN	European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
TrinkwV	Trinkwasserverordnung
UBA	Umweltbundesamt

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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:

physical, physico-chemical, chemical and safety technical investigations of chemical products (such as inorganic and organic chemicals, biological materials, textiles and fibers, dyestuffs and pigments, oils, fats, waxes, resins, emulsifiers, additives, surfactants, polymers, ceramics, minerals, glass, foils, rubber, plastics and plastic additives as well as of gases, dust, metals and coal, biocidal products and preservatives as well as raw materials and intermediate products of cosmetics, detergents and cleansing agents, adhesives and sealants and cooling lubricants);
microbiological analysis of plastics and other sealing materials

Flexible Scope of Accreditation:

Within the indicated test areas the testing laboratory is permitted without being required to prior inform and obtain approval from DAkkS
[Flex A] to use standardised or equivalent test methods listed here with different issue dates.
[Flex B] to have the free choice from standardised or equivalent test methods.
[Flex C] to modify, develop or further develop test methods.

The test methods listed are examples. 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 physical, physico-chemical and chemical investigations of chemical raw materials, intermediate and final products

1.1 Determination of ingredients and additives as well as contaminants via gas chromatography (GC) with conventional detectors (FID) [Flex C]

MSOP-00082 Vers. 1.0 2021-10	Determination of fatty acids after silylation in chemical products and raw materials via GC-FID
MSOP-00616 Vers. 1.0 2021-10	Determination of the N-NO-content (total N-Nitroso) in chemical products and raw materials according to the chemiluminescence-method
MSOP-01005 Vers. 2.0 2024-07	Quantification of 1,4-dioxane in chemical/cosmetic products and raw materials via headspace-GC with the standard addition method

1.2 Determination of ingredients and additives as well as contaminants via gas chromatography (GC) with mass selective detectors (MS) [Flex C]

MSOP-00339 Vers. 1.0 2021-06	Acquisition and interpretation of mass spectra from organic compounds in chemical raw materials, intermediate and final products via GC/MS-EI (electron impact ionization)
MSOP-00615 Vers. 1.0 2021-10	Quantification of organic substances using deuterated internal standards by the example of dimethylsulfate (DMS) in chemical products and raw materials via GC/MS
MSOP-00904 Vers. 1.0 2021-10	Quantification of volatile compounds in chemical products and raw materials using a deuterated standard via head-space-GC/MS by the example of 1,4-dioxane

1.3 Determination of ingredients and additives as well as contaminants via Liquid Chromatography (LC) with conventional detectors (PDA, FLD) [Flex C]

MSOP-00675 Vers. 1.0 2015-12	Liquid chromatographic determination of formaldehyde in dispersion adhesives via UPLC™
MSOP-00768 Vers. 2.0 2024-09	Liquid chromatographic trace analysis of 2,4-diaminotoluene, 2,6-diaminotoluene, 2,2´-diaminodiphenylmethane, 2,4´-diaminodiphenyl-methane and 4,4´-diaminodiphenylmethane in acetic acid migrates
MSOP-01070 Vers. 1.0 2019-07	Liquid chromatographic determination of isocyanates via fluorescence detection in foils

1.4 Determination of ingredients and additives as well as contaminants via Liquid Chromatography (LC) with mass selective detectors (MS, MS/MS) [Flex C]

MSOP-00234 Vers. 2.0 2024-09	Determination of Bitrex in traces in cosmetic products and raw materials via LC-ESI-MS/MS
MSOP-00236 Vers. 1.0 2021-10	Determination of Bronopol in water-based adhesives using HPLC-ESI- MS/MS
MSOP-00608 Vers. 1.0 2021-10	Trace quantification of didecyldimethylammoniumchloride in foils via HPLC-ESI-MS
MSOP-00611 Vers. 1.0 2021-10	Trace quantification of benzalconiumchloride (BAC) in chemical products and raw materials via HPLC-ESI-MS

1.5 Determination of ingredients and additives, contaminants as well as elements via ion chromatography (IC) with conventional detectors (LFD, UV/VIS-detection) [Flex C]

MSOP-00202 Vers. 1.0 2015-11	Ion chromatographic determination of chloride and sulfate in rolling oil emulsions
MSOP-00646 Vers. 2.0 2025-02	Quantification of inorganic anions in aqueous solution of chemical products, detergents and cleansing agents, cosmetics as well as their raw materials via ion chromatography and conductivity or UV-VIS-detection
MSOP-00648 Vers. 2.0 2024-10	Quantification of anions organic acids in aqueous solution of chemical products, detergents and cleansing agents, cosmetics as well as their raw materials via ion chromatography and conductivity or UV-VIS-detection
MSOP-00723 Vers. 2.0 2023-01	Ion chromatographic determination of tetraacetylethylendiamine (TAED) in raw materials, detergents and cleansing agents
MSOP-00725 Vers. 1.0 2010-08	Ion chromatographic determination of quaternary ammonium compounds in disinfectants
MSOP-01091 Vers. 1.0 2018-01	Trace determination of fluorine and sulfur in fatty acid esters via combustion IC

1.6 Determination of ingredients and additives as well as parameters via gel-permeation-chromatography (GPC-PDA, GPC-PDA-RID) [Flex C]

MSOP-00669 Vers. 2.0 2024-09	Determination of the relative molar mass average and molar mass distribution of polymers soluble in tetrahydrofuran via gel permeation chromatography using the APC-technique
MSOP-00692 Vers. 1.0 2020-07	Determination of free 2,4'-Methylene-bis-(phenylisocyanate), 4,4´-Methylen-bis-(phenylisocyanate) und 2,4-Toluylenediisocyanate in polyurethane containing products using gel permeation chromatography with APC-technique

1.7 Determination of ingredients and additives as well as parameters by photometry (UV-VIS-range) [Flex C]

MSOP-00702 Vers. 3.0 2023-05	Photometric determination of cellulase activity in enzyme preparations and finished products

MSOP-00246 Vers. 2.0 2023-05	Photometric determination of proteins according to the Bradford-method in technical products

1.8 Determination of ingredients and parameters via titrimetry [Flex C]

MSOP-00254 Vers. 3.0 2024-11	Determination of the alkaline or acid reserve as well as of the pH-value in chemical products, detergents and cleansing agents as well as their raw materials
MSOP-00271 Vers. 2.0 2025-01	Titrimetric determination of epoxy equivalent in oleochemical raw materials
MSOP-00402 Vers. 1.0 2012-12	Trace determination of water in various substances via coulometric Karl Fischer titration
MSOP-00503 Vers. 2.0 2023-03	Water Determination according to Karl Fischer in detergents and cleansing agents, personal care products as well as the corresponding raw materials
MSOP-00505 Vers. 2.0 2022-10	Quantitative determination of anionic surfactants in raw materials as well as detergents and cleansing agents via potentiometric two-phase titration
MSOP-00550 Vers. 2.0 2025-02	Titrimetric determination of the saponification number in oleochemical raw materials and polymers
MSOP-01009 Vers. 2.0 2025-02	Determination of nitrogen according to Kjeldahl in chemical products, detergents and cleansing agents, cosmetics as well as their raw materials
MSOP-01108 Vers. 2.0 2024-10	Titrimetric determination of the acid number in oleochemical raw materials and polymers
MSOP-01185 Vers. 1.0 2023-07	Titrimetric determination of hydrogen peroxide, peracetic acid and acetic acid in disinfectants

1.9 Determination of the caloric characteristics via calorimetric methods [Flex C]

DIN 51006 2024-02	Thermal analysis (TA) - Thermogravimetry (TG) - Principles
DIN 51007 2024-08	Thermal analysis (TA) - Differential thermal analysis (DTA) and differential scanning calorimetry (DSC) - General Principles (limitation: *here only differential scanning calorimetry (DSC)*)

MSOP-00309 Vers. 1.0 2006-07	Discoloration Temperature
MSOP-00820 Vers. 2.0 2024-05	Preliminary test for compounds for explosive properties via DSC/STA
MSOP-00821 Vers. 1.0 2007-05	Determination of the vapor pressure curve of solid and liquid compounds via DSC
MSOP-00824 Vers. 1.0 2010-11	Determination of the specific heat capacity cp of solid and liquid compounds via DSC
MSOP-00828 Vers. 1.0 2018-08	Determination of Melting Temperature (Tm) of solid and liquid compounds via DSC
MSOP-00987 Vers. 1.0 2019-06	Determination of the boiling point (Tb) of solid and liquid compounds via DSC

1.10 Sample preparation for the determination of elements via microwave digestion [Flex C]

MSOP-00284 Vers. 1.0 2020-04	Trace determination of chromium, copper, nickel, lead and tin in medium chain triglycerides after microwave-digestion via plasma mass spectrometry

1.11 Determination of elements via inductively coupled plasma atomic emission spectrometry (ICP-OES) [Flex C]

MSOP-00980 Vers. 1.0 2015-01	Determination of elements in ACC-baths via ICP-OES
MSOP-01023 Vers. 1.0 2021-04	Determination of element traces in aqueous solutions and digestions via atomic emission spectrometry (ICP-OES) (limitation: *only in aqueous solutions*)

1.12 Determination of elements via inductively coupled plasma mass spectrometry (ICP-MS) [Flex C]

MSOP-00976 Vers. 1.0 2020-08	Trace determination of metals in nitric acid soluble organic compounds via plasma mass spectrometry (ICP-MS)
MSOP-00283 Vers. 2.0 2024-09	Determination of element traces in aqueous solutions or digestions via plasma mass spectrometry (ICP-MS)

1.13 Determination of elements via elemental analysis after combustion [Flex C]

MSOP-00292 Vers. 1.0 2012-03	Determination of oxygen in organic substances
MSOP-00654 Vers. 2.0 2024-12	Simultaneous determination of carbon, hydrogen, sulfur and nitrogen in organic substances via elemental analysis

1.14 Determination of elements, ingredients and additives via X-Ray fluorescence analysis (XRF) of solid fusion samples [Flex C]

MSOP-00429 Vers. 1.0 2021-11	Determination of silicon, aluminium, phosphorus and sodium in detergents and cleansing agents and their raw materials (limitation: *application in raw materials*)
MSOP-00432 Vers. 1.0 2009-08	Determination of zinc in various phosphating agents
MSOP-01093 Vers. 1.0 2019-01	Determination of phosphorus in cleaning concentrate via XRF-spectroscopy

1.15 Electron microscopic investigations for characterization of inorganic and organic materials via REM and TEM as well as for semi-quantitative determination of the elemental composition via EDX [Flex C]

MSOP-00469 Vers. 1.0 2020-03	Cryo preparation and characterization of vesicles using a transmission electron microscope
MSOP-00472 Vers. 1.0 2017-06	Determination of the elemental composition via energy dispersive X-Ray-micro-analysis of surfaces
MSOP-00988 Vers. 1.0 2017-06	Investigation of surface morphologies / particle sizes using a scanning electron microscope
MSOP-01113 Vers. 1.0 2021-10	Investigation of morphologies, particle sizes and crystal structures in solids and dispersions using a transmission electron microscope

1.16 Characterization and semi-quantitative phase determination via X-Ray-diffraction (XRD) [Flex C]

MSOP-00462 Vers. 1.0 2020-05	X-Ray diffraction of organic substances

MSOP-00473 Vers. 1.0 2021-04	Creation of X-Ray diffraction spectra of crystalline and amorphous substances

1.17 Investigations for identification and composition of organic substances via NMR-spectroscopy [Flex C]

MSOP-00860 Vers. 2.0 2024-11	Identification of Functional Groups in Chemical Products and Raw Materials via 1H-NMR-Spectroscopy
MSOP-00861 Vers. 2.0 2024-07	Quantitative Determination of Functional Groups in Raw Materials and Chemical Products via 1H-NMR-Spectroscopy
MSOP-00862 Vers. 1.0 2021-10	Qualitative Determination of Functional Groups in Chemical Products and Raw Materials via 13C-NMR-Spectroscopy
MSOP-00863 Vers. 3.0 2024-12	Determination of relative intensities in Raw Materials and Chemical Products via 13C -NMR-Spectroscopy

1.18 Determination of parameters via infrared spectroscopy (FT-IR) [Flex C]

MSOP-00110 Vers. 1.0 2021-10	Qualitative Determination of Functional Groups in Chemical Products and Raw Materials via FT-IR-Spectroscopy in Transmission, Reflexion and ATR
MSOP-00111 Vers. 2.0 2024-09	Investigation of the curing process of polyurethane-hotmelts via infrared spectroscopy

1.19 Test methods according to Council Regulation (EC) no. 1907/2006 of the European Parliament and the of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) [Flex A]

Council Regulation (EC) No. 440/2008 Method A.5 2008-05	Surface Tension of Aqueous Solutions

1.20 Further test methods [Flex A]

ISO 13320 2020-01	Particle size analysis – Laser diffraction methods

Ph. Eur. 2.2.3 11. edition 2023-01	pH-value – Potentiometric method (limitation: *only in aqueous solutions*)
MSOP-01170 Vers. 1.0 2023-12	Determination of the density
MSOP-00265 Vers. 1.0 2019-05	Determination of the refractive index
MSOP-00532 Vers. 1.0 2018-07	Determination of the contact resistance of metallic surfaces

1.21 Deformation and Flow Properties of Chemical Products and Raw Materials via Mechanical and Rheological Methods [Flex C]

ISO 3219-2 2021-08	Rheology - Part 2: General principles of rotational and oscillatory rheometry (limitation: only tests according to -Chapter 6.3.2.1.1 Coaxial Measuring Geometry limited to the Searle-principle -Chapter 6.3.2.2 without Double-Gap Measuring Geometry -Chapter 6.3.3.2 without Coaxial Relative-Cylinder-Measuring Geometries with a Radius Ratio > 1,1 -Chapter 6.3.3.4 Limitation of the selected special Designs of Relative-Measuring Geometries to a) rotational spindles according to ISO 2555)
DIN EN ISO 6721-1 2019-09	Determination of dynamic mechanical properties - Part 1: General principles
MSOP-00825 Vers. 1.0 2012-07	Determination of glass temperature, storage and loss modulus of test specimens via dynamic mechanical analysis in the single-cantilever and 3-point bending mode

2 Safety-technological tests of solid, liquid and gaseous substances

2.1 Determination of the fire behavior using conventional methods [Flex B]

VDI guideline 2263, sheet 1, 6.2 2022-02	Dust fires and dust explosions; hazards, assessment, protective measures; test methods for the determination of the safety characteristics of dusts (here: *combustion behaviour*)

UN manual test O.1 – section 34.4.1; ST/SG/AC.10/11/ Rev. 7, 2019	Recommendations for the transport of dangerous goods, manual of tests and criteria: test for oxidizing solids
VDI guideline 2263, sheet 1, 6.3 2022-02	Dust fires and dust explosions; hazards, assessment, protective measures; test methods for the determination of the safety characteristic of dusts (here: *smolder temperature*)
UN manual test O.2 – section 34.4.2; ST/SG/AC.10/11/ Rev. 7, 2019	Recommendations for the transport of dangerous goods, manual of tests and criteria: test for oxidizing liquids
Council Regulation (EC) No 440/2008 Method A.21 2008-05	Oxidizing properties (liquids)
UN manual test N.1 – section 33.2.4; ST/SG/AC.10/11/ Rev. 7, 2019	Recommendations for the transport of dangerous goods, manual of tests and criteria: Test method for flammable solids
Council Regulation (EC) No 440/2008 Method A.10 2008-05	Flammability (solids)
UL 94 2013-03	Tests for Flammability of Plastic Materials for in Devices and Appliances (limitation: *only Horizontal Burning Test HB, 50W Vertical Burning Test, 500W Vertical Burning Test*)

2.2 Determination of the ignition behavior via detection of spontaneous temperature rise or visual inspected ignition [Flex B]

UN manual test H.4 – section 28.4.4; ST/SG/AC.10/11/ Rev. 6, 2015	Recommendations for the transport of dangerous goods, manual of tests and criteria: heat accumulation storage test
UN manual test N.4 – section 33.4.6 ST/SG/AC.10/11/ Rev. 7, 2019	Recommendations for the transport of dangerous goods, manual of tests and criteria: test methods for self-heating substances

Council Regulation (EC) Nr. 440/2008 Method A.16 2008-05	Relative self-ignition temperature for solids
VDI guideline 2263, sheet 1, 6.4; 2022-02	Dust fires and dust explosions; hazards, assessment, protective measures; test methods for the determination of the safety characteristic of dusts (here: *autoignition*)
DIN EN 50281-2-1 1999-11	Electrical apparatus for use in the presence of combustible dust - Part 2-1: test methods; methods for determining the minimum ignition temperatures of dust
VDI guideline 2263, sheet 1, 8.6 2022-02	Dust fires and dust explosions; hazards, assessment, protective measures; test methods for the determination of the safety characteristic of dusts (here: *ignition temperature*)
Council Regulation (EC) No 440/2008 Method A.13 2008-05	Pyrophoric properties of solid and liquid substances
UN manual test N.2 – section 33.4.4 ST/SG/AC.10/11/ Rev. 7, 2019	Recommendations for the transport of dangerous goods, manual of tests and criteria: test method for pyrophoric solids
UN manual test N.3 – section 33.4.5 ST/SG/AC.10/11/ Rev. 7, 2019	Recommendations for the transport of dangerous goods, manual of tests and criteria: test method for pyrophoric liquids
DIN 51794 2003-05	Investigation of petroleum-derived hydrocarbons – determination of ignition point
UN manual test N.5 – section 33.5.4 ST/SG/AC.10/11/ Rev. 7, 2019	Recommendations for the transport of dangerous goods, manual of tests and criteria: test method for substances which in contact with water emit flammable gases
Council Regulation (EC) No 440/2008 Method A.12 2008-05	Flammability (water contact)

2.3 Determination of physical properties of auxiliary value for safety-technological tests [Flex A]

DIN 66165-2 2016-08	Particle size analysis – sieve analysis - part 2: procedure

AdR, chapter 2.3.4 2021-02	Test for determination of flow properties (AdR: Accord européen relatif au transport international des marchandises dangereuses par Route)
UN manual test C.1 – section 37.4.1.1 ST/SG/AC.10/11/ Rev. 7, 2019	Test for determining the corrosive properties of liquids and solids that may become liquids as a substance corrosive to metal

2.4 Determination of explosion behavior of dust material by using safety testing devices [Flex B]

DIN EN 13821 2003-03	Potentially explosive atmospheres – explosion prevention and protection – determination of minimum ignition energy of dust/air-mixtures
DIN EN 14034-1 2011-04	Determination of explosion characteristics of dust clouds – part 1: determination of the maximum explosion pressure pmax of dust clouds
DIN EN 14034-2 2011-04	Determination of explosion characteristics of dust clouds – part 2: determination of the maximum rate of explosion pressure rise $(dp/dt)_{max}$ of dust clouds
DIN EN ISO/IEC 80079- 20-2 2016-12	Explosive atmospheres - Part 20-2: Material characteristics - Combustible dusts test methods (here: minimum ignition temperature of dust/air-mixtures)

2.5 Determination of explosivity of condensed solids or pasty substances [Flex B]

Council Regulation (EC) No 440/2008 Method A.14 2008-05	Mechanical sensitivity (shock)
Council Regulation (EC) No 440/2008 Method A.14 2008-05	Mechanical sensitivity (friction)
UN manual; test C.2; ST/SG/AC.10/11/ Rev. 6, 2015	Recommendations for the transport of dangerous goods, manual of tests and criteria: deflagration test

2.6 Determination of flash and fire point via positive ignition in the gas phase [Flex B]

DIN EN ISO 2592 2018-01	Petroleum and related products - Determination of flash and fire points - Cleveland open cup method
DIN EN ISO 2719 2021-06	Determination of flash point - Pensky-Martens closed cup method
DIN EN ISO 3679 2023-03	Determination of flash point - Method for flash no-flash and flash point by small scale closed cup tester
DIN EN ISO 9038 2021-08 UN manual test L.2 – section 32.5.2; ST/SG/AC.10/11/ Rev. 7, 2019	Determination of sustained combustibility of liquids (ISO 9038:2021) Recommendations for the transport of dangerous goods, manual of tests and criteria: Sustained Combustibility Test

3 Determination of resistance of plastics and other sealants to microorganisms (bacteria and fungi) via microbiological culture tests [Flex A]

DIN EN ISO 846 method B 2020-11	Plastics – Evaluation of the action of microorganisms (ISO 846: 2019); method B: determination of fungistatic effect
DIN EN ISO 846 method C 2020-11	Plastics – Evaluation of the action of microorganisms (ISO 846: 2019); method C: procedure with bacteria

4 Determination of bacteria and fungi via microbiological culture tests in chemical raw, intermediate and final products [Flex C]

Ph. Eur. 2.6.12 2020-07	Microbiological examination of non-sterile products: total viable aerobic count (modification: *applicable to chemical raw, intermediate and final products*)
Ph. Eur. 2.6.13 2020-07	Microbiological examination of non-sterile products: test for specified microorganisms (modification: *applicable to chemical raw, intermediate and final products*)

Abbreviations used:

DIN	Deutsches Institut für Normung e.V. – German institute for standardization
DVV	Deutschen Vereinigung zur Bekämpfung der Viruskrankheiten e. V.
EN	Europäische Norm – European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardisation
Ph. Eur.	Pharmacopoea Europaea (Europäisches Arzneibuch)
VAH	Verbund für Angewandte Hygiene e.V.
MSOP-XXXXX	In-house test method of Henkel AG & Co. KGaA – Corporate Scientific Solutions

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Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-PL-17150-01-03 according to DIN EN ISO/IEC 17025:2018

Valid from: **01.09.2025**

Date of issue: 01.12.2025

This annex is part of the Accreditation Certificate D-PL-17150-01-00.

Holder of the Accreditation Certificate:

Henkel AG & Co. KGaA
Henkelstraße 67, 40589 Düsseldorf

with the location

Henkel AG & Co. KGaA
Corporate Scientific Solutions
Henkelstraße 67, buildings Z33, Z43, 40589 Düsseldorf

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:

physical, physico-chemical and chemical analysis of food supplements, cosmetics, detergents and cleansing agents and toys; selected microbiological analysis of cosmetics

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).

Flexible Scope of Accreditation:

Within the indicated test areas the testing laboratory is permitted without being required to prior inform and obtain approval from DAkkS

[Flex C] to modify, develop or further develop test methods.

The test methods listed are examples. 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 Analysis of cosmetics, detergents and cleansing agents, food supplements and toys

1.1 Determination of ingredients, additives and contaminants by gas chromatography (GC) with conventional detectors (FID, TEA) in cosmetics and toys [Flex C]

MSOP 01058 Vers. 1.0 2018-11	Determination of N-nitrosodiethanolamine (NDELA) in cosmetic products via GC after processing via ion exchanger in the ppb range
MSOP 01194 Vers. 1.0 2024-07	Determination of NDELA in finger paint via GC-chemiluminescence detector (TEA)
MSOP-01005 Vers. 2.0 2024-07	Quantification of 1,4-dioxane in chemical/cosmetic products and raw materilas via Headspace-GC-FID using the Standard-addition-procedure (limitation: *here only for cosmetics*)

1.2 Quantitative determination of ingredients and additives by gas chromatography (GC) with mass selective detectors (MS) in cosmetics, detergents and cleansing agents [Flex C]

MSOP-00232 Vers. 1.0 2021-10	Determination of glyoxal in neutral, acidic, aqueous and fatty cosmetic raw materials after derivatization with p-phenylenediamine via GC/MS
MSOP 01191 Vers. 2.0 2024-10	Determination of limonene and benzyl salicylate in self-tanning products (cosmetics) via GC/MS

1.3 Qualitative determination of ingredients, additives and contaminants by gas chromatography (GC) with mass selective detectors (MS) in cosmetics, detergents and cleansing agents [Flex C]

MSOP-00339 Vers. 1.0 2021-06	Acquisition and interpretation of mass spectra from organic compounds in chemical raw materials, intermediate and final products via GC/MS-EI (electron impact ionization) (limitation: *here only for cosmetics, detergents and cleansing agents*)

1.4 Determination of ingredients by Liquid Chromatography (LC) with conventional detectors (PDA) in cosmetics [Flex C]

MSOP-00153 Vers. 2.0 2025-02	Liquid chromatographic determination of preservatives in cosmetics with UV/VIS-detection
MSOP-00674 Vers. 1.0 2014-12	Liquid chromatographic determination von D-panthenol in cosmetic formulations via UPLC™-PDA
MSOP-00676 Vers. 1.0 2015-01	Liquid chromatographic determination of vitamin E and vitamin E-acetate in cosmetic formulations via UPLC™-PDA

1.5 Determination of ingredients and additives by Liquid Chromatography (LC) with mass selective detectors (MS, MS/MS) in cosmetics, detergents and cleansing agents [Flex C]

MSOP-00611 Vers. 1.0 2021-10	Trace quantification of benzalconiumchloride (BAC) in chemical products and raw materials via HPLC-ESI-MS/MS (limitation: *here only for detergents and cleansing agents*)
MSOP-00234 Vers. 2.0 2024-09	Trace determination of Bitrex in cosmetic products and raw materials by LC-ESI-MS/MS (limitation: *here only for cosmetics*)

1.6 Determination of ingredients and additives by ion chromatography (IC) with conventional detectors (LFD, UV/VIS) in cosmetics, detergents and cleansing agents [Flex C]

MSOP-00629 Vers. 1.0 2018-02	Ion chromatographic determination of optical brighteners in detergents via IC-UV
MSOP-00646 Vers. 2.0 2025-02	Quantification of inorganic anions in aqueous solutions of chemical products, detergents, cleansing agents and cosmetics as well as their raw materials via ion chromatography and conductivity or UV-VIS-detection (limitation: *here only for cosmetics, detergents and cleansing agents*)

MSOP-00648 Vers. 2.0 2024-10	Quantification of anions and organic acids in aqueous solutions of chemical products, detergents, cleansing agents and cosmetics as well as their raw materials via ion chromatography and conductivity or UV-VIS-detection (limitation: *here only for cosmetics, detergents and cleansing agents*)
MSOP-00723 Vers. 2.0 2023-01	Ion chromatographic determination of tetraacetylethylene diamine (TAED) in raw materials, detergents and cleansing agents via IC-UV (limitation: *here only for detergents and cleansing agents*)
MSOP-01203 Vers. 1.0 2024-05	Ion-chromatographic determination of anionic surfactants in detergents and cleansing agents

1.7 Determination of ingredients by gel-permeation-chromatography (GPC) with conventional detectors (UV, RI) in cosmetics [Flex C]

MSOP-00191 Vers. 1.0 2016-12	Quantitative determination of hyaluronic acid in a moisturizer via gel-permeation-chromatography with UV- and RI-detection

1.8 Determination of ingredients by thin layer chromatography in cosmetics and detergents and cleansing agents [Flex C]

MSOP-00556 Vers. 1.0 2011-11	Thin layer chromatographic quantification of amphotensides in detergents and cleansing agents as well as cosmetic products
MSOP-00557 Vers. 1.0 2012-04	Determination of polyethyleneglycol in detergents and cleansing agents
MSOP-00562 Vers. 2.0 2025-02	Thin layer chromatographic determination of alkyl polyglycosides in cosmetics, detergents and cleansing agent

1.9 Determination of ingredients and enzyme activities by photometry in detergents and cleansing agents [Flex C]

r-Biopharm citric acid No 10139076035 2017-07	UV-test for the determination of citric acid in food and other sample materials (modification: *here for detergents and cleansing agents*)
MSOP-00702 Vers. 3.0 2023-05	Photometric determination of cellulase activity in enzyme preparations and finished products (limitation: *here only for detergents and cleansing agents*)

1.10 Determination of ingredients by titrimetry in cosmetics and detergents and cleansing agents [Flex C]

MSOP-00503 Vers. 2.0 2023-03	Water Determination according to Karl Fischer in detergents and cleansing agents, personal care products as well as their raw materials (limitation: *here only for cosmetics, detergents and cleansing agents*)
MSOP-00254 Vers. 3.0 2024-11	Determination of the pH-value in chemical products, detergents and cleansing agents as well as their raw materials (limitation: *here only for detergents and cleansing agents*)
MSOP-00505 Vers. 2.0 2022-10	Quantitative determination of anionic surfactants in raw materials as well as detergents and cleansing agents via potentiometric two-phase titration (limitation: *here only for detergents and cleansing agents*)
MSOP-00999 Vers. 1.0 2021-08	Iodometric determination of active oxygen or active chlorine in detergents and cleansing agents
MSOP-01009 Vers. 2.0 2025-02	Iodometric determination of active oxygen or active chlorine in detergents and cleansing agents
MSOP-01120 Vers. 1.0 2021-12	Manganometric determination of active oxygen carriers in detergents and cleansing agents

1.11 Determination of ingredients by gravimetry in detergents and cleansing agents [Flex C]

MSOP-00568 Vers. 2.0 2023-05	Gravimetric determination of total volatile components in detergents and cleansing agents
MSOP-00602 Vers. 3.0 2023-05	Gravimetric determination of carbonate in detergents and cleansing agents via dissociable CO2 under acidic conditions

1.12 Determination of elements by inductively coupled plasma atomic emission spectrometry (ICP-OES) in cosmetics and detergents and cleansing agents [Flex C]

MSOP-00978 Vers. 1.0 2015-01	Determination of heavy metals in detergents and dishwashing detergents via atomic emission spectrometry (ICP-OES)
MSOP-01023 Vers. 1.0 2021-04	Determination of element traces in aqueous solutions and digestions via atomic emission spectrometry (ICP-OES) (limitation: *here only for cosmetics, detergents and cleansing agents*)

1.13 Determination of elements by inductively coupled plasma mass spectrometry (ICP-MS) in cosmetics, detergents and cleansing agents [Flex C]

MSOP-00981 Vers. 2.0 2023-04	Trace determination of heavy metals in pigment containing samples and raw materials via plasma mass spectrometry (ICP-MS) after pressure digestion (limitation: *here only for cosmetics, detergents and cleansing agents*)
MSOP-00283 Vers. 2.0 2024-09	Determination of element traces in aqueous solutions and digestions via plasma mass spectrometry (ICP-MS) (limitation: *here only for cosmetics, detergents and cleansing agents*)
MSOP-00284 Vers. 1.0 2020-04	Trace determination of chromium, copper, nickel, lead and tin in medium chain triglycerides after microwave-digestion via plasma mass spectrometry (limitation: *here only for cosmetics, detergents and cleansing agents*)
MSOP-00983 Vers. 1.0 2021-09	Determination of As, Cd, Hg and Pb in Xanthan Gum after mineralization via plasma mass spectrometry (ICP-MS) (limitation: *here only for cosmetics*)

1.14 Determination of ingredients and elements by X-Ray fluorescence analysis in detergents, cleansing agents and food supplements [Flex C]

MSOP-00429 Vers. 1.0 2021-11	Determination of silicon, aluminium, phosphorus and sodium in detergents and cleansing agents and their raw materials via X-Ray fluorescence analysis
MSOP-00430 Vers. 1.0 2007-01	Determination of the silicon-content in food supplements via X-Ray fluorescence analysis (XRF)

2 Determination of bacteria and fungi by microbiological culture tests in cosmetics [Flex C]

Ph. Eur. 2.6.12 2020-07	Microbiological examination of non-sterile products: total viable aerobic count (modification: *only for cosmetics*)
Ph. Eur. 2.6.13 2020-07	Microbiological examination of non-sterile products: test for specified microorganisms (modification: *only for cosmetics*)

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
MSOP-XXX	In-house test method of Henkel AG & Co. KGaA – Corporate Scientific Solutions
Ph. Eur.	Pharmacopoea Europaea

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Annex to the Accreditation Certificate D-PL-17150-01-04 according to DIN EN ISO/IEC 17025:2018

Valid from: **01.09.2025**

Date of issue: 01.12.2025

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Holder of the Accreditation Certificate:

Henkel AG & Co. KGaA
Henkelstraße 67, 40589 Düsseldorf

with the location

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Corporate Scientific Solutions
Henkelstraße 67, Geb. Z33, Z43, 40589 Düsseldorf, Geb. Z33

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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:

Efficacy testing of disinfectants and antiseptics

Flexible Scope of Accreditation:
Within the indicated test areas the testing laboratory is permitted without being required to prior inform and obtain approval from DAkkS
[Flex C] to modify, develop or further develop test methods.
The test methods listed are examples. 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.

Test area: Efficacy testing of disinfectants and antiseptics

Type of testing: Qualitative suspension tests (basic tests) [Flex C]

Standard / date of issue In-house method / version	Title of the Standard or the in-house method (specify any deviations / modifications of standard method)	Test item
VAH-Methode 8 2015-04	Evaluation of bactericidal and yeasticidal activity in a qualitative suspension test (scope of application: *no testing and statements of conformity of medical devices*)	disinfectants, antiseptics

Type of testing: Quantitative suspension tests and practical tests [Flex C]

Standard / date of issue In-house method / version	Title of the Standard or the in-house method (specify any deviations / modifications of standard method)	Test item
DIN EN 13727 2015-12	Chemical disinfectants and antiseptics - quantitative suspension test for the evaluation of the bactericidal activity in the medical area – test method and requirements (phase 2, step 1) (scope of application: *no testing and statements of conformity of medical devices*)	disinfectants, antiseptics
DIN EN 13624 2022-08	Chemical disinfectants and antiseptics - quantitative suspension test for the evaluation of the fungicidal or yeasticidal activity in the medical area - test method and requirements (phase 2, step 1) (scope of application: *no testing and statements of conformity of medical devices*)	disinfectants, antiseptics

Standard / date of issue In-house method / version	Title of the Standard or the in-house method (specify any deviations / modifications of standard method)	Test item
MSOP-00057 Vers. 2.0 2023-06	Quantitative suspension test for the evaluation of the mycobactericidal activity of disinfectants in suspensions	disinfectants, antiseptics
DIN EN 17126 2019-02	Chemical disinfectants and antiseptics - quantitative suspension test for the evaluation of the sporicidal activity in the medical area - test method and requirements (phase 2, step 1); (scope of application: *no testing and statements of conformity of medical devices*)	disinfectants, antiseptics
VAH-Methode 9 2015-04	Evaluation of the bactericidal, yeasticidal, fungicidal, tuberkulocidal or mycobactericidal activity in a quantitative suspension test (scope of application: *no testing and statements of conformity of medical devices*)	disinfectants, antiseptics
DIN EN 1040 2006-03	Chemical disinfectants and antiseptics - quantitative suspension test for the evaluation of basic bactericidal activity of chemical disinfectants and antiseptics - test method and requirements (phase 1) (scope of application: *no testing and statements of conformity of medical devices*)	disinfectants, antiseptics
DIN EN 1275 2006-03	Chemical disinfectants and antiseptics - quantitative suspension test for the evaluation of basic fungicidal or yeasticidal activity of chemical disinfectants and antiseptics - test method and requirements (phase 1) (scope of application: *no testing and statements of conformity of medical devices*)	disinfectants, antiseptics

Standard / date of issue In-house method / version	Title of the Standard or the in-house method (specify any deviations / modifications of standard method)	Test item
DIN EN 1276 2019-11	Chemical disinfectants and antiseptics - quantitative suspension test for the evaluation of the bactericidal activity of chemical disinfectants and antiseptics in food, industrial, domestic and institutional areas – test method and requirements (phase 2, step 1) (scope of application: *no testing and statements of conformity of medical devices*)	disinfectants, antiseptics
DIN EN 1650 2019-10	Chemical disinfectants and antiseptics - quantitative suspension test for the evaluation of the fungicidal activity of chemical disinfectants and antiseptics in food, industrial, domestic and institutional areas – test method and requirements (phase 2, step 1) (scope of application: *no testing and statements of conformity of medical devices*)	disinfectants, antiseptics
DIN EN 1656 2019-12	Chemical disinfectants and antiseptics - quantitative suspension test for the evaluation of the bactericidal activity of chemical disinfectants and antiseptics used in the veterinary area - test method and requirements (phase 2, step 1)	disinfectants, antiseptics
DIN EN 1657 2016-11	Chemical disinfectants and antiseptics - quantitative suspension test for the evaluation of the fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in the veterinary area - test method and requirements (phase 2, step 1)	disinfectants, antiseptics

Standard / date of issue In-house method / version	Title of the Standard or the in-house method (specify any deviations / modifications of standard method)	Test item
DIN EN 14204 2013-02	Chemical disinfectants and antiseptics - quantitative suspension test for the evaluation of the mycobactericidal activity of chemical disinfectants and antiseptics used in the veterinary area - test method and requirements (phase 2, step 1) (scope of application: *no testing and statements of conformity of medical devices*)	disinfectants, antiseptics
DIN EN 13623 2020-12	Chemical disinfectants and antiseptics - quantitative suspension test for the evaluation of the bactericidal activity against Legionella of chemical disinfectants for aqueous systems - test method and requirements (phase 2, step 1) (scope of application: *no testing and statements of conformity of medical devices*)	disinfectants, antiseptics
DIN EN 13704 2018-09	Chemical disinfectants and antiseptics - quantitative suspension test for the evaluation of the sporicidal activity of chemical disinfectants in food, industrial, domestic and institutional areas – test method and requirements (phase 2, step 1) (scope of application: *no testing and statements of conformity of medical devices*)	disinfectants, antiseptics
MSOP-00059 Vers. 2.0 2023-06	Quantitative carrier test for the evaluation of the biocidal activity of disinfectants against bacteria, yeasts and fungi on surfaces	disinfectants, antiseptics

Standard / date of issue In-house method / version	Title of the Standard or the in-house method (specify any deviations / modifications of standard method)	Test item
MSOP-00060 Vers. 2.0 2023-06	Quantitative carrier test for the evaluation of the biocidal activity of disinfectants against mycobacteria on surfaces	disinfectants, antiseptics
DIN EN 16615 2015-06	Chemical disinfectants and antiseptics – quantitative test method for the evaluation of the bactericidal and yeasticidal activity on non-porous surfaces with mechanical action employing wipes in the medical area (4-field-test) - test method and requirements (phase 2, step 2) (scope of application: *no testing and statements of conformity of medical devices*)	disinfectants, antiseptics
DIN EN 12791 2018-01	Chemical disinfectants and antiseptics - surgical hand disinfection - test method and requirements (phase 2, step 2)	antiseptics
VAH-Methode 14 2015-04	Surface disinfection	disinfectants
VAH-Methode 15 2015-04	Chemical/chemical-thermal instrument disinfection – practical quantitative carrier test (scope of application: *no testing and statements of conformity of medical devices*)	disinfectants
VAH-Methode 17 2015-04	Chemical-thermal textile disinfection – single bath method (practical test) (scope of application: *no testing and statements of conformity of medical devices*)	disinfectants

Standard / date of issue In-house method / version	Title of the Standard or the in-house method (specify any deviations / modifications of standard method)	Test item
DIN EN 16616 2022-10	Chemical disinfectants and antiseptics – chemical-thermal textile disinfection – test method and requirements (phase 2, step 2) (scope of application: *no testing and statements of conformity of medical devices*)	disinfectants, antiseptics
DIN EN 13697 2019-10	Chemical disinfectants and antiseptics - quantitative non-porous surface test for evaluation of bactericidal and/or fungicidal activity of chemical disinfectants in food, industrial, domestic and institutional areas – test method and requirements (phase 2, step 2) (scope of application: *no testing and statements of conformity of medical devices*)	disinfectants, antiseptics
DIN EN 14349 2013-02	Chemical disinfectants and antiseptics - Quantitative surface test for evaluation of the bactericidal activity of chemical disinfectants and antiseptics for the veterinary sector on non-porous surfaces without mechanical action - test method and requirements (phase 2, step 2)	disinfectants, antiseptics
DIN EN 16437 2019-12	Chemical disinfectants and antiseptics - Quantitative surface test for evaluation of the bactericidal activity of chemical disinfectants and antiseptics for the veterinary sector on porous surfaces without mechanical action - test method and requirements (phase 2, step 2)	disinfectants, antiseptics

Standard / date of issue In-house method / version	Title of the Standard or the in-house method (specify any deviations / modifications of standard method)	Test item
DIN EN 16438 2014-07	Chemical disinfectants and antiseptics - quantitative surface test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in the veterinary area on non-porous surfaces without mechanical action – test method and requirements (phase 2, step 2)	disinfectants, antiseptics
DIN EN 1499 2017-10	Chemical disinfectants and antiseptics - hygienic handwash - test method and requirements (phase 2, step 2)	antiseptics
DIN EN 1500 2017-10	Chemical disinfectants and antiseptics - hygienic handrub - test method and requirements (phase 2, step 2)	antiseptics
MSOP-00093 Vers. 1.0 2018-11	Modified quantitative surface test for determination of the bactericidal / fungicidal long-term efficacy	disinfectants, antiseptics
DIN EN 14476 2019-10	Chemical disinfectants and antiseptics - quantitative suspension test for the evaluation of virucidal activity for chemical disinfectants and antiseptics used in human medicine– test method and requirements (phase 2, step 1) (scope of application: *no testing and statements of conformity of medical devices*)	disinfectants, antiseptics
DIN EN 14675 2015-06	Chemical disinfectants and antiseptics - quantitative suspension test for the evaluation of the virucidal activity of chemical disinfectants and antiseptics for the veterinary sector - test method and requirements (phase 2, step 1)	disinfectants, antiseptics

Standard / date of issue In-house method / version	Title of the Standard or the in-house method (specify any deviations / modifications of standard method)	Test item
DIN EN 13610 2003-06	Chemical disinfectants and antiseptics - quantitative suspension test for the evaluation of the virucidal activity against bacteriophages of chemical disinfectants and antiseptics in food and industrial areas - test method and requirements (phase 2, step 1) (scope of application: *no testing and statements of conformity of medical devices*)	disinfectants, antiseptics
DIN EN 16777 2019-03	Chemical disinfectants and antiseptics - quantitative test on non-porous surfaces for evaluation of the virucidal activity in the medical area - test method and requirements (phase 2, step 2) (scope of application: *no testing and statements of conformity of medical devices*)	disinfectants, antiseptics
MSOP-00954 Vers. 2.0 2023-06	Quantitative carrier test for evaluation of the biocidal activity of disinfectants against viruses on surfaces (scope of application: *no testing and statements of conformity of medical devices*)	disinfectants, antiseptics
Leitlinie der DVV 2014-12	Suspension test for verification of the efficacy of disinfectants against viruses Guideline of the „Deutsche Vereinigung zur Bekämpfung der Viruskrankheiten (DVV) e.V.“ and the Robert Koch-Institute (RKI) for the testing of chemical disinfectants on efficacy against viruses in human medicine (scope of application: *no testing and statements of conformity of medical devices*)	disinfectants, antiseptics

Standard / date of issue In-house method / version	Title of the Standard or the in-house method (specify any deviations / modifications of standard method)	Test item
DIN EN 17387 2021-10	Chemical disinfectants and antiseptics - Quantitative test for the evaluation of bactericidal and yeasticidal and/or fungicidal activity of chemical disinfectants in the medical area on non-porous surfaces without mechanical action (scope of application: *no testing and statements of conformity of medical devices*)	disinfectants, antiseptics
DIN EN 17658 2022-11	Chemical disinfectants and antiseptics - Chemical textile disinfection for the domestic area - Test method and requirements (phase 2, step 2) (scope of application: *no testing and statements of conformity of medical devices*)	disinfectants, antiseptics

Abbreviations used:

DIN	Deutsches Institut für Normung e.V.
EN	European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
VAH	Verbund für Angewandte Hygiene e.V.
MSOP-XXXXX	In-house test method of Henkel AG & Co. KGaA – Corporate Scientific Solutions