Deutsche Akkreditierungsstelle

Annex to the Partial Accreditation Certificate D-19569-02-01 according to DIN EN ISO/IEC 17025:2018

Valid from: **12.06.2023**

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This annex is a part of the accreditation certificate D-PL-19569-02-00.

Holder of partial accreditation certificate:

PiCA Prüfinstitut Chemische Analytik GmbH
Rudower Chaussee 29, 12489 Berlin

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 confirm generally with the principles of DIN EN ISO 9001.

physical, physico-chemical and chemical testing of foodstuffs, commodities, cosmetics, selected physical, physico-chemical and chemical examination of tobacco and tobacco products

In the testing areas stated, the testing laboratory is authorised, without being required to inform and obtain prior approval from DAkkS:

*** to freely select standardised or equivalent testing methods.**

*** * to modify and further develop existing testing methods and develop new ones.**

The listed testing methods are detailed by way of example.
Within the accreditation areas indicated with *, the testing laboratory is permitted, without prior information and approval of the DAkkS, the testing laboratory is permitted to use the standardised test methods or equivalent test methods with different editions listed here is permitted.**

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.

The testing laboratory has a current list of all testing methods within the flexible accreditation area.

1 Physical, physico-chemical and chemical testing of foodstuffs

1.1 Determination of organic contaminants, additives, pesticides residues and ingredients by gas chromatography using mass selective detectors (MS-, MS/MS) in foodstuffs **

DIN EN 12396-2 1998-12	Non-fatty foods - Determination of dithiocarbamate and thiuram disulfide residues - Part 2: Gas chromatographic method (Modification: *Use of a more sensitive detector system: mass spectrometer; lower sample weight, reagent blank value, quantification against solvent standard reclaimed under the same conditions or in the case of dry herbs against recovery, taking account of the internal standard; production of standards using in-house software "SCON"*)
ASU L 00.00-115 2018-10	Analysis of foodstuffs – Multimethod for the determination of pesticide residues using GC and LC-based analysis following acetonitrile extraction/partitioning and clean-up by dispersive SPE in food of plant origin – Modular QuEChERS-method (Modification: *Module E1, E3-E7-Extraction: Lower sample weight with adjusted solvent quantity; Module C3-Clean up: Use of "push through" columns*)
LA-GC-004.07 2016-08	GC-MS determination of epoxidized soybean oil in food samples
LA-GC-011.071 2018-12	GC-MS determination of aldehydes in low-fat foodstuffs
LA-GC-011.072 2013-12	GC-MS determination of aldehydes in high-fat foodstuffs
LA-GC-013.071 2016-11	Headspace GC-MS determination of volatile organic compounds (VOC) in low-fat foods
LA-GC-013.072 2016-11	Headspace-GC-MS-Bestimmung von flüchtigen organischen Verbindungen (VOC) in fettreichen Lebensmitteln
LA-GC-022.071 2018-10	GC-MS determination of inorganic total bromide in low-fat foodstuffs after derivatisation with propylene oxide
LA-GC-051.072 2021-10	GC-MS/MS determination of sterols in fats, oils, waxes and oil-based nutritional supplements

LA-GC-301.07 2018-12	GC-MS determination of glycols in food samples
LA-GC-801.07 2018-09	GC-MS determination of selected industrial chemicals in foodstuffs (Analytes: *here are plasticisers, bisphenol A, PAH, bee repellent, antioxidants, octylphenols, nonylphenols, ethyloxylates and chlorobenzenes*)
LA-GC-802.072 2019-07	Determination of plasticisers in fats and oils using GC-MS/(MS)
LA-Pestizide-001.072a 2019-06	Determination of pesticides in fats and oils using GC-MS/MS and LC-MS/MS
LA-Pestizide-001.072b 2019-06	Determination of pesticides in nuts and oil seeds using GC-MS/MS and LC-MS/MS
LA-Pestizide-001.076 2019-06	Pesticides in dry, difficult and fatty matrices using GC-MS/MS and LC-MS/MS
LA-Pestizide-006.07 2018-05	Headspace - GC-MS determination of phosphine in food samples
LA-Pestizide-013.077 2019-06	Determination of selected pesticides in hops and hop products using GC-MS/MS or LC-MS/MS

1.2 Determination of MOSH/MOAH by means of gas chromatography using conventional detectors (FID) in foodstuffs

LA-GC-014.07 2019-07	GC-FID determination of MOSH/MOAH in foodstuffs

1.3 Determination of ingredients by means of high performance liquid chromatography using conventional detectors (DAD) in foodstuffs **

DIN ISO 14502-2 2007-12	Determination of substances characteristic of green and black tea - Part 2: Content of catechins in green tea - Method using high-performance liquid chromatography (Modification: *Adapted LC conditions such as flow, standard solutions are present in another solvent*)
LA-LC-903.075 2019-02	Determination of curcuminoids in dry foodstuffs and spices using HPLC-DAD

1.4 Determination of organic contaminants, Mycotoxins, pesticide residues and Ingredients by means of high performance liquid chromatography using mass-selective detectors (MS/MS) in foodstuffs **

ASU L 00.00-115 2018-10	Analysis of foodstuffs – Multimethod for the determination of pesticide residues using GC and LC-based analysis following acetonitrile extraction/partitioning and clean-up by dispersive SPE in food of plant origin – Modular QuEChERS-method (Modification: *Module E1, E3-E7-Extraction: Lower sample weight with adjusted solvent quantity; Module C3-Clean up: Use of "push through" columns*)
LA-LC-110.07 2019-07	LC-MS/MS determination of photoinitiators in foods
LA-LC-904.07 2022-06	Determination of natural ingredients in foodstuffs incl. nutritional supplements by LC-MS/MS
LA-Pestizide-001.072a 2019-06	Determination of pesticides in fats and oils using GC-MS/MS and LC-MS/MS
LA-Pestizide-001.072b 2019-06	Determination of pesticides in nuts and oil seeds using GC-MS/MS and LC-MS/MS
LA-Pestizide-001.076 2019-06	Pesticides in dry, difficult and fatty matrices using GC-MS/MS and LC-MS/MS
LA-Pestizide-003.075 2018-05	Determination of acidic pesticides in dry plant-based foods
LA-Pestizide-004.07 2017-11	Determination of polar pesticides in foods using LC-MS/MS
LA-Pestizide-005.07 2016-01	LC-MS/MS determination of nicotine in foodstuffs (residues)
LA-Pestizide-010.07 2016-06	Determination of glyphosate, AMPA and glufosinate after derivatisation with FMOC using LC-MS/MS
LA-Pestizide-011.075 2016-06	Determination of mycotoxins in dry fruits and other dry foodstuffs using LC-MS/MS
LA-Pestizide-012.075 2017-06	Determination of pyrrolizidine alkaloids in dry foodstuffs using LC-MS/MS

LA-Pestizide-013.077 2019-06	Determination of selected pesticides in hops and hop products using GC-MS/MS or LC-MS/MS

1.5 Titrimetric determination of ingredients in edible oils and fats **

LA-NC-003.07 2019-02	Determination of the acid value in edible oils and fats
LA-NC-004.07 2019-02	Determination of the peroxide value in edible oils and fats

2 Physical, physico-chemical and chemical testing of commodities

2.1 Determination of additives and organic contaminants by means of gas chromatography using mass-selective detectors (MS) in commodities **

DIN EN ISO 11890-2 2013-07	Paints and varnishes - Determination of volatile organic compound (VOC) content - Part 2: Gas-chromatographic method (Modification: *here also for commodities; lower sample weight, quantification of single substances; use of other ISTDs; modification of daily calibration*)
DIN CEN ISO/TS 16179 2012-12	Footwear - Critical substances potentially present in footwear and footwear components - Determination of organotin compounds in footwear materials (Modification: *here also for commodities; halving of sample weight and all chemicals used, other complexing agents, other extracting agents for the ethylated organotin compounds*)
LA-GC-002.01 2020-10	GC/MS determination of industrial chemicals in commodities, chemical products and furnishings
LA-GC-004.01 2013-12	GC-MS determination of epoxidized soybean oil in commodities
LA-GC-006.01 2018-10	GC/MS determination of chlorinated compounds (e.g. PCB) in polymers, commodities and construction products
LA-GC-013.01 2018-10	Headspace-GC-MS-Bestimmung von flüchtigen organischen Verbindungen (VOC) in Materialproben

2.2 Determination of MOSH/MOAH by means of gas chromatography using conventional detectors (FID) in commodities

LA-GC-014.01 2019-07	GC-FID determination of MOSH/MOAH in food packaging materials

2.3 Determination of aromatic amines by means of liquid chromatography using mass-selective detectors (MS/MS) in commodities ***

DIN EN ISO 14362-1 2017-05	Textiles - Methods for determination of certain aromatic amines derived from azo colorants - Part 1: Detection of the use of certain azo colorants accessible with and without extracting the fibres (Modification:-*no purification with kieselguhr columns*)

2.4 Determination of migrating additives and contaminants by means of liquid chromatography using conventional detectors (DAD) in commodities **

LA-LC-605.02 2014-10	HPLC determination of phenols in aqueous samples, migrates and water (such as determination of BADGE, BFDGE and their hydroxy- and chlorine derivates in food samples and water) (Restriction: *here only for* commodities)
LA-LC-705.08 2019-07	HPLC-DAD determination of antioxidants in aqueous migrates

2.5 Gravimetric determination of migrating additives and contaminants ***

DIN EN 1186-2 2002-07	Materials and articles in contact with foodstuffs - Plastics - Part 2: Test methods for overall migration into olive oil by total immersion (Modification*: No analysis of swellable materials, no review of method suitability of test pieces, double determination, lower quantity of internal standard, other derivatisation*)
DIN EN 1186-3 2002-07	Materials and articles in contact with foodstuffs - Plastics - Part 3: Test methods for overall migration into aqueous simulants by total immersion *(Modification: double determination)*
DIN EN 1186-4 2002-07	Materials and articles in contact with foodstuffs - Plastics - Part 4: Test methods for overall migration into olive oil by cell (Modification: *No analysis of swellable materials, no review of method suitability of test pieces, double determination, lower quantity of internal standard, other derivatisation*)
DIN EN 1186-5 2002-07	Materials and articles in contact with foodstuffs - Plastics - Part 5: Test methods for overall migration into aqueous food simulants by cell *(Modification: double determination)*

DIN EN 1186-8 2002-07	Materials and articles in contact with foodstuffs - Plastics - Part 8: Test methods for overall migration into olive oil by article filling (Modification: *No analysis of swellable materials, no review of method suitability of test pieces, double determination, lower quantity of internal standard, other derivatisation*)
DIN EN 1186-9 2002-07	Materials and articles in contact with foodstuffs - Plastics - Part 9: Test methods for overall migration into aqueous simulants by article filling *(Modification: double determination)*
DIN EN 1186-13 2002-12	Materials and articles in contact with foodstuffs - Plastics - Part 13: Test methods for overall migration at high temperatures *(Modification: double determination)*
DIN EN 1186-14 2002-12	Materials and articles in contact with foodstuffs - Plastics - Part 14: Test methods for 'substitute tests' for overall migration from plastics intended to come into contact with fatty foodstuffs using test media iso-octane and 95 % ethanol *(Modification: double determination)*
DIN EN 13130-1 2004-08	Materials and articles in contact with foodstuffs - Plastics substances subject to limitation - Part 1: Guide to test methods for the specific migration of substances from plastics to foods and food simulants and the determination of substances in plastics and the selection of conditions of exposure to food simulants (Modification: *single determination*)
DIN EN 14338 2004-03	Paper and board intended to come into contact with foodstuffs - Conditions for determination of migration from paper and board using modified polyphenylene oxide (MPPO) as a simulant
DIN CEN/TS 14234 2003-01	Materials and articles in contact with foodstuffs - Polymeric coatings on paper and board - Guide to the selection of conditions and test methods for overall migration

2.6 Determination of migrating additives and contaminants by means of gas chromatography using mass-selective detectors (MS) in commodities **

LA-GC-013.024-1 2019-01	Headspace GC-MS determination of acrylonitrile in migrates
LA-GC-013.024-2 2019-01	Headspace GC-MS determination of 1-octene in migrates

LA-GC-013.021 2022-04	Headspace GC-MS determination of volatile organic compounds (VOC) in water samples and aqueous migrates

2.7 Determination of migrating additives and contaminants by means of liquid chromatography using mass-selective detectors (MS/MS) in commodities **

LA-LC-110.08 2019-07	LC-MS/MS determination of photoinitiators in aqueous migrates
LA-LC-707.08 2017-02	LC-MS/MS determination of caprolactam in migrates

3 Physical, physico-chemical and chemical testing of cosmetics

3.1 Determination of organic contaminants and additives by means of gas chromatography with mass-selective detectors (MS) in cosmetics **

LA-GC-002.05 2014-05	GC-MS determination of industrial chemicals in cosmetics
LA-GC-013.05 2020-10	Headspace GC-MS determination of volatile organic compounds (VOC) in cosmetics
LA-GC-116.05 2015-06	GC-MS determination of selected preservatives in cosmetics
LA-GC-604.05 2019-07	GC-MS determination of fragrances and naturally occurring substances in cosmetics, detergents and commodities (Restriction: *here only for* cosmetics)

3.2 Determination of ingredients by means of liquid chromatography using conventional detectors (DAD, RI) in cosmetics **

LA-LC-002.05 2014-10	HPLC-DAD determination of isothiazolinones in cosmetics
LA-LC-004.05 2019-07	LC-RI determination of paraffins and silicone oils in cosmetics

3.3 Determination of organic contaminants and additives by means of liquid chromatography using mass-selective detectors (MS/MS) in cosmetics **

LA-LC-107.05 2019-06	LC-MS/MS determination of quaternary ammonia compounds in cosmetic products and detergents
LA-LC-121.05 2014-05	LC-MS/MS determination of NDELA in water soluble cosmetics

3.4 Determination of free and bound formaldehyde by means of photometry in cosmetics ***

ASU K 84.00-7(EG) 1991-09	Analysis of cosmetic products; detection and quantification of free and bound formaldehyde (Modification: *Complete implementation in centrifuge tubes, free and bound formaldehyde*)

3.5 Determination of pH value by means of potentiometry in cosmetics

LA-LB-025 2016-07	Determination of pH value of cosmetic products

4 Chemical testing of tobacco and tobacco products

LA-GC-301.074 2017-03	GC-MS determination of humectants in tobacco and tobacco products

Abbreviations used:

BADGE	Bisphenol A diglycidyl ether
BFDGE	Bisphenol F diglycidyl ether
CEN	European Committee for Standardization
DIN	German Institute for Standardization
EN	European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
ISTD	Internal Standard
LA-xx-yyy.yy	In-house method of PiCA Prüfinstitut Chemische Analytik GmbH
MOSH	Mineral oil saturated hydrocarbons
MOAH	Mineral oil aromatic hydrocarbons
NDELA	N-Nitrosodiethanolamine
TS	Technical Specification