Methods in flexible scope

The methods in this document belong to the flexible scope of the DAkkS accreditation certificate D-PL-14198-01-00 (Eurofins Dr. Specht Laboratorien GmbH). The flexibility of an accreditation area took place on application and with proven competence in this area. All test procedures used by the laboratory with reference to accreditation are verified or validated.

Internal test number	Internal test procedure	Validity date	Official test procedure	Type of testing	Food	Animal feed	Pharmaceutical raw material	Plant material from agricultural and horticultural sector
			DIN EN 12393-3: 2014-01 Foods of plant origin - Multiresidue methods for the determination of pesticide residues by GC or LC-MS/MS - Part3: Determination and confirmatory tests	GC-MS/MS	x	x		
P-14.167.6	Determination of Bromide and Chloride in plant and selected animal material, soil and selected hygiene products by GC-ECD	01.08.2023	**DIN EN 13191-2: 2000-10** Non-fatty foods - Determination of bromide residues - Part 2: Determination of inorganic bromide (Modification: Application to pharmaceutical raw materials, pollen, plant materials, agricultural and horticultural materials)	GC-ECD	x	x	x	x
			ASU L 00.00-34: 2010-09 Analysis of food - Modular multiresidue method for the determination of pesticide residues in food (extended new version of the DFG method S 19) (Deviation: application to waxes, shellac resins and other pharmaceutical raw materials)	GC-ECD GC-FPD	x	x	x	
			ASU L 00.00-34: 2010-09 Analysis of food - Modular multiresidue method for the determination of pesticide residues in food (extended new version of the DFG method S 19) (Deviation: application to waxes, shellac resins and other pharmaceutical raw materials, modification for application to complex oils (e.g. fish oil) 2-D-GPC and cleanup on multisorbens)	GC-MSD GC-MS/MS	x	x	x	
			ASU L 00.00-34: 2010-09 Analysis of food - Modular multiresidue method for the determination of pesticide residues in food (extended new version of the DFG method S 19)	LC-MS/MS	x	x		

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P-14.008.13	Determination of Dithiocarbamates and/or Thiuram Disulphides Fungicides	28.04.2023	**DIN EN 12396-1:1998-12** Non-fatty foods - Determination of dithiocarbamate and thiuram disulfide residues - Part 1: Spectrometric method (Modification: Application to pharmaceutical raw materials, plant materials, agricultural and horticultural materials) **DIN EN 12396-3:2000-10** Non-fatty foods - Determination of dithiocarbamate and thiuram disulfide residues - Part 3: UV-spectrometric xanthogenate method (Modification: Application to feed and high fatty food and feed, pharmaceutical raw material, plant material, material from agricultural and horticultural sector)	Photometry	x	x	x	x
P-14.089.5	Gas chromatographic determination of organotin compounds in selected plant and animal materials by GC-MSD	10.07.2016		GC-MSD	x	x	x	x
P-14.090.4	Gas chromatographic determination of phenylurea herbicides as well as other compounds splitting off anilin	19.08.2013		GC-MSD	x	x	x	
P-14.095.3	Gas chromatographic Determination of Ethylene Oxide and 2-Chloroethanol in Food	18.02.2015	**ASU 64: L 53.00-1: 1999-11** Analysis of Food - Gas chromatographic determination of ethylene oxide and 2-chloroethanol in spices (Deviation: application to pharmaceutical raw materials)	GC-ECD GC-MS/MS	x	x	x	
P-14.098.5	Gas chromatographic determination of phenoxy alkanoic acids in selected materials of plant and animal origin as well as soil by GC-MS/MS or GC-MSD	20.01.2020		GC-MSD GC-MS/MS	x	x	x	
P-14.139.6	Determination of Phosphine in selected material of plant and animal origine by GC-HS-FPD	02.02.2023		FPD	x	x	x	x

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Internal test number	Internal test procedure	Validity date	Official test procedure	Type of testing	Food	Animal feed	Pharmaceutical raw material	Plant material from agricultural and horticultural sector
P-14.141.8	Determination of pesticide residues in plant (based on DIN EN 15662:2018) or animal (based on ASU L00.00-164:2018) materials using GC- and/or LC-MS/MS after acetonitrile extraction/partitioning and clean-up by dispersive SPE-Modular QuEChERS-method	23.09.2019	**DIN EN 15662:2018-07** Foods of plant origin - Multimethod for the determination of pesticide residues using GC- and LC-based analysis following acetonitrile extraction/partitioning and clean-up by dispersive SPE-Modular QuEChERS-method (Deviation: application also to plant feedingstuffs, fatty plnat foods with low and medium water content as well; Concentrates with reduced initial weight; if necessary, slightly modified dispersive SPE)	GC-ECD GC-FPD	x	x	x	
P-14.141.8	Determination of pesticide residues in plant (based on DIN EN 15662:2018) or animal (based on ASU L00.00-164:2018) materials using GC- and/or LC-MS/MS after acetonitrile extraction/partitioning and clean-up by dispersive SPE-Modular QuEChERS-method	23.09.2019	**DIN EN 15662:2018-07** Foods of plant origin - Multimethod for the determination of pesticide residues using GC- and LC-based analysis following acetonitrile extraction/partitioning and clean-up by dispersive SPE-Modular QuEChERS-method (Deviation: application also to pharmaceutical raw materials, plant materials, agricultural and horticultural materials; if necessary, slightly modified dispersive SPE or additional purification with toluene)	GC-MSD GC-MS/MS	x	x	x	x
P-14.141.8	Determination of pesticide residues in plant (based on DIN EN 15662:2018) or animal (based on ASU L00.00-164:2018) materials using GC- and/or LC-MS/MS after acetonitrile extraction/partitioning and clean-up by dispersive SPE-Modular QuEChERS-method	23.09.2019	**DIN EN 15662:2018-07** Foods of plant origin - Multimethod for the determination of pesticide residues using GC- and LC-based analysis following acetonitrile extraction/partitioning and clean-up by dispersive SPE-Modular QuEChERS-method (Deviation: application also to fatty foods with low and medium water content, soil, pharmaceutical raw materials, plant materials, agricultural and horticultural materials; if necessary, slightly modified dispersive SPE)	LC-MS/MS	x	x	x	x

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Internal test number	Internal test procedure	Validity date	Official test procedure	Type of testing	Food	Animal feed	Pharmaceutical raw material	Plant material from agricultural and horticultural sector
P-14.141.8	Determination of pesticide residues in plant (based on DIN EN 15662:2018) or animal (based on ASU L00.00-164:2018) materials using GC- and/or LC-MS/MS after acetonitrile extraction/partitioning and clean-up by dispersive SPE-Modular QuEChERS-method	23.09.2019	**§ 64 LFGB L 00.00-164:2018** Determination of pesticide residues in Foods of animal origin using LC-MS/MS following acetonitrile extraction/partitioning and clean-up by dipersive SPE (Deviation: if necessary, reduced initial weight; if necessary, slightly modified dispersive SPE)	LC-MS/MS	x	x		
P-14.152.5	Determination of sulfonylureas in selected food and feed material of plant origin by LC-MS/MS (SuH)	13.09.2023		LC-MS/MS	x	x		
P-14.179.2	Determination of pesticides in selected food of plant origin (citrus oils) by LC-MS/MS	31.01.2018		LC-MS/MS	x	x	x	
P-14.180.7	Determination of selected phenoxyalkanoic acids and acidic herbicides after hydrolysis in selected plant materials and food of animal origin with LC-MS/MS (modified DIN EN 15662)	01.06.2023	**DIN EN 15662:2018-07** Foods of plant origin - Multimethod for the determination of pesticide residues using GC- and LC-based analysis following acetonitrile extraction/partitioning and clean-up by dispersive SPE-Modular QuEChERS-method (Deviation: Module E8/E9: initial weight, modified buffer-salt mixture; additional purification with dSPE, also used on animal products)	LC-MS/MS	x	x		
P-14.183.2	Determination of cylopiazonic acid and penicillin acid in selected plant material by LC-MS/MS	14.02.2023		LC-MS/MS	x	x		
P-14.185.3	Determination of pesticide residues in oils and fats of plant origin, egg and eggproducts and/or capsicumoleoresin by LC-MS/MS following acetonitrile extraction/partitioning and EMR-liquid-cleanup	01.08.2023		LC-MS/MS	x	x	x	
P-14.186.6	Determination of organotin pesticides in selected food of plant and animal origin by LC-MS/MS	06.02.2024		LC-MS/MS	x	x		x

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Internal test number	Internal test procedure	Validity date	Official test procedure	Type of testing	Food	Animal feed	Pharmaceutical raw material	Plant material from agricultural and horticultural sector
P-14.190.5	Determination of ETU/PTU in selected food stuff of plant and animal origin by LC-MS/MS	18.03.2024		LC-MS/MS	x	x	x	
P-14.191.3	Determination of dithianon in selected plant materials by LC-MS/MS	06.02.2024		LC-MS/MS	x	x		
P-14.192.3	Determination of pesticide residues in nuts and oilseeds using GC-MS/MS and LC-MS/MS following acetonitrile/water (95/5)-extraction and clean-upby dispersive SPE (QuOil-Nuts)	31.07.2023		GC-MS/MS LC-MS/MS	x	x		
P-14.194.6	Determination of ethylene oxid and 2-chloroethanol in plant material and selected animal material by GC-MS/MS	14.04.2022		GC-MS/MS	x	x	x	x
P-14.195.4	Determination of pesticide residues in material of animal origin with GC- and/or LC-MS/MS following acetonitrile extraction/partition and clean-up by dispersive SPE - QuEChERS-AO-procedure	25.10.2023		GC-MS/MS LC-MS/MS	x	x		
P-14.196.2	Determination of pesticide residues in oils and fats of plant origin by GC-MS/MS following acetonitrile/ethyl acetate (80/20) extraction and EMR-cleanup	02.08.2023		GC-MS/MS	x	x		x