

Methods within the flexible scope of accreditation

The methods in this document belong to the flexible scope category II of the DAkkS accreditation with the number D-PL-19579-02-00 (Eurofins SOFIA GmbH). Eurofins SOFIA GmbH is permitted, without being required to inform and obtain prior approval from DAkkS, the following the modification, development and refinement of testing methods.

The flexibility of the accreditation area is only possible upon application and if competence in this area is proven. All test methods that are used by the laboratory with reference to an accreditation are verified or validated.

Matrix	Test type	Designation and version of the test procedure	Title test method
Food	GC/FPD	ASU L 00.00-34 2010-09	Analysis of foods - Modular Multiple analytical method for the determination of pesticide residues in foodstuff (extended and revised version of the DFG S19) - (Modification: module E9: Fractionation)
		LA-GCMS-109-02	Determination of phosphine in vegetable foods using headspace-GC/FPD
	GC-MS	ASU L 00.00-34 2010-09	Analysis of foods - Modular Multiple analytical method for the determination of pesticide residues in foodstuff (extended and revised version of the DFG S19) - (Modification: module E9: Fractionation)
		ASU L 00.00-49/2 1999-11	Analysis of foods - low-fat foods - Determination of dithiocarbamate and thiuram disulfide residues - part 2: gas chromatographic method (Modification: adsorption on SPME and measurement GC-MS, calibration with Thiram)
		LA-GCMS-014-01	Determination of dithiocarbamates in food using Headspace-SPME-GC/MS
		LA-GCMS-023-03	Total inorganic bromide in selected foods using GC / MS
		LA-GCMS-505-01	Sulfuryl fluoride using headspace-SPME-GC-MS in food
		LA-GCMS-536-01	Determination of methyl bromide in food using headspace-SPME-GC-MS
	GC-MS/MS	ASU L 00.00-34 2010-09	Analysis of foods - Modular Multiple analytical method for the determination of pesticide residues in foodstuff (extended and revised version of the DFG S19) - (Modification: module E9: Fractionation)
		ASU L 00.00-38/2 1998-09	Analysis of foods - Fatty foods - Determination of pesticides and polychlorinated biphenyls (PCBs) - Part 2: Extraction of fat, pesticides and PCBs and determination of fat content
		ASU L 00.00-38/3 1998-09	Analysis of foods - Fatty foods - Determination of pesticides and polychlorinated biphenyls (PCBs) - Part 3: Cleaning methods
		ASU L 00.00-38/4 1998-09	Analysis of foods - Fatty foods - Determination of pesticides and polychlorinated biphenyls (PCBs) - Part 4: Methods for determination and safeguarding, Miscellaneous
		ASU L 00.00-49/2 1999-11	Analysis of foods - low-fat foods - Determination of dithiocarbamate and thiuram disulfide residues - part 2: gas chromatographic method (Modification: adsorption on SPME and measurement GC-MS, calibration with Thiram)
		ASU L 00.00-115 2018-10	Analysis of foodstuffs – Multiple analytical method for the determination of pesticide residues using GC and LC after acetonitrile extraction/partitioning and

Methods within the flexible scope of accreditation

Matrix	Test type	Designation and version of the test procedure	Title test method
			clean-up by dispersive SPE in plant-based foodstuffs – Modular QuEChERS method (Adoption of the DIN EN 15662 standard of the same name, July 2018)
		LA-GCLC-001-12	Determination of pesticides in water-containing foods with GC-MS/MS and LC-MS/MS (combined method)
		LA-GCLC-003-01	Determination of pesticide residues in food using LC-MS/MS and GC-MS/MS (QuEChERS)
		LA-GCMS-026-02*	Determination of surface treatment agents and anthraquinone using GC-MS/MS in food
		LA-GCMS-027-05	Plasticizers (phthalates, adipates) in oils and fatty foods using GC-MS/MS
		LA-GCMS-201-01	Chlorophenols and chlorine anisoles using GC-MS/MS in food
		LA-GCMS-202-01	HCBD in foods with a high pigment content and their vegetable raw materials using GC-MS/MS
		LA-GCMS-501-05	Antioxidants in oils and fatty foods using GC-MS/MS
		LA-GCMS-509-02	Determination of pesticides in tea, tea-like products and plant extracts using GC-MS/MS
		LA-GCMS-524-04*	Determination of polycyclic aromatic hydrocarbons (EFSA-PAHs and selected EPA-PAHs) in food using GC-MS/MS
		LA-GCMS-528-02	Determination of pesticides in beverages ready to consumption using GC-MS/MS
		LA-GCMS-541-01	Determination of pesticides in fats and oils using GC-MS/MS
		LA-GCMS-548-01	Determination of fipronil and its metabolites (sulfone, sulfide, desulfonyl) in whole egg using GC-MS/MS
		LA-GCMS-552-02	Pesticides and plasticizers in fats and oils using GC-MS/MS (liquid-liquid extraction)
		LA-GCMS-555-03	Determination of pesticides in dry food using GC-MS/MS (Quechers)
		LA-GCMS-562-02	Determination of pesticide residues in spices using GC-MS/MS (Quechers)
	LC-MS/MS	ASU L 00.00-76 2008-12	Analysis of foods - Determination of Chlormequat and Mepiquat in low-fat foods - LC-MS/MS-method
		ASU L 00.00-113 2015-03	Analysis of foods - Multiple analytical method for the determination of pesticide residues in foodstuff using LC MS/MS after extraction with methanol and clean up with diatomaceous earth
		ASU L 00.00-115 2018-10	Analysis of foodstuffs – Multiple analytical method for the determination of pesticide residues using GC and LC after acetonitrile extraction/partitioning and clean-up by dispersive SPE in plant-based foodstuffs – Modular QuEChERS method (Adoption of the DIN EN 15662 standard of the same name, July 2018)
		ASU L 13.04-5 2013-08	Analysis of foods - Multiple analytical method for the determination of pesticide residues in vegetable oils using HPLC-MS(/MS)

Methods within the flexible scope of accreditation

Matrix	Test type	Designation and version of the test procedure	Title test method
		LA-GCLC-001-12	Determination of pesticides in water-containing foods with GC-MS/MS and LC-MS/MS (combined method)
		LA-GCLC-003-01	Determination of pesticide residues in food using LC-MS/MS and GC-MS/MS (QuEChERS)
		LA-LCMS-001-13	Determination of chlormequat and mepiquat with LC-MS/MS in food
		LA-LCMS-014-04	Determination of dodine in food using LC-MS/MS
		LA-LCMS-020-07*	Plasticizers (adipates, phthalates) in oils, fats and other foods using LC-MS/MS
		LA-LCMS-034-11	Determination of quaternary ammonium compounds using LC-MS/MS in food
		LA-LCMS-038-13	Determination of glyphosate, AMPA and glufosinate in food using LC-MS/MS
		LA-LCMS-042-06	Determination of acidic pesticide residues using LC-MS/MS in dry, water-containing and fatty foods
		LA-LCMS-043-03	Determination of rodenticides in food and other matrices using LC-MS/MS
		LA-LCMS-048-06	Selected plasticizers in spirits and beverages using LC-MS/MS
		LA-LCMS-049-07	Nicotine in food using LC-MS/MS
		LA-LCMS-053-08	Determination of fosetyl-Al and phosphonic acid using LC-MS/MS in food
		LA-LCMS-070-07	Determination of pesticides, mycotoxins, tropane alkaloids and growth regulators in selected foods using LC/LC-MS/MS (two-dimensional)
		LA-LCMS-076-04	Determination of pesticides in wine and wine-like beverages using LC-MS/MS
		LA-LCMS-081-10*	Determination of chlorate and perchlorate in food using LC-MS/MS
		LA-LCMS-090-03	Determination of fenbutatin oxide and other organotin compounds in food using LC-MS/MS
		LA-LCMS-104-03	Determination of Ethephon in food using LC-MS/MS
		LA-LCMS-110-04*	Determination of neutral pesticides, phenoxycarboxylic acids, dithianon, fosetyl aluminum and phosphonic acid in beer and various beverages using LC-MS/MS
		LA-LCMS-114-09	Determination of glyphosate, AMPA and glufosinate in food using LC-MS/MS with a particularly low limit of quantification
		LA-LCMS-117-03	Determination of emamectin benzoate in fish muscle using LC-MS/MS
		LA-LCMS-121-03	Determination of Lufenuron in fish muscle using LC-MS/MS
		LA-LCMS-123-02	Determination of Endothal in water using LC-MS/MS
		LA-LCMS-125-04	Determination of guazatin in plant foods using LC-MS/MS

Methods within the flexible scope of accreditation

Matrix	Test type	Designation and version of the test procedure	Title test method
		LA-LCMS-126-04	Determination of imidacloprid in fish muscle using LC-MS/MS
		LA-LCMS-131-03	Determination of chlormequat, mepiquat and difenzoquat methyl sulfate with LC-MS/MS in food
		LA-LCMS-136-02*	Determination of acidic herbicides and other pesticides in foods with and without hydrolysis
		LA-LCMS-139-01	Determination of griseofulvin in spices using LC-MS/MS
Hop	GC-MS/MS	LA-GCMS-032-03	Determination of pesticides in hops, hop pellets and CO ₂ extracts using GC-MS/MS
	LC-MS/MS	LA-LCMS-044-05*	Determination of pesticide residues in hops using LC-MS/MS
		LA-LCMS-122-03	Determination of acidic pesticide residues in hops using LC-MS/MS
		LA-LCMS-124-04	Determination of milbemectin in hops using LC-MS/MS
		LA-LCMS-128-02	Determination of acequinocyl in hops using LC-MS/MS
Milk powder	GC-MS/MS	LA-GCMS-533-02	Determination of alkylated phenols in food using GC-MS/MS
Sugar	GC-MS/MS	LA-GCMS-503-01	Determination of hymexazole in sugar and sugar-like matrices using GC-MS/MS
	LC-MS/MS	LA-LCMS-127-03	Determination of acidic pesticides in sugar using LC-MS/MS with a low limit of quantification
		LA-LCMS-129-02	Determination of pesticides in sugar using LC-MS/MS with a low limit of quantification
Food/Feed	homogenization	LA-LB-008-17	Sample preparation - homogenization
	GC-MS	LA-GCMS-002-03*	Determination of pesticides in dry food and feed using GC/MS
		LA-GCMS-006-09	Determination of pesticides in food and feed with a high fat content using GC-MS
		LA-GCMS-560-02	Determination of pesticides in complex food and feed using GC-MS
	GC-MS/MS	LA-GCMS-002-03*	Determination of pesticides in dry food and feed using GC/MS
		LA-GCMS-006-09	Determination of pesticides in food and feed with a high fat content using GC-MS
		LA-GCMS-557-01	Pesticides in oilseeds using GC-MS/MS (liquid extraction)
		LA-GCMS-560-02	Determination of pesticides in complex food and feed using GC-MS
	LC-MS/MS	LA-LCMS-007-11	Determination of pesticides in water-containing and dry food and feed using LC-MS/MS
		LA-LCMS-030-08	Determination of pesticides in food and feed containing fat and muscle protein using LC-MS/MS
		LA-LCMS-046-10	Determination of paraquat and diquat using LC-MS/MS in food and feed

Methods within the flexible scope of accreditation

Matrix	Test type	Designation and version of the test procedure	Title test method
Water	GC-MS	LA-GCMS-550-01	Determination of dithiocarbamates in water using headspace-SPME-GC / MS
	GC-MS/MS	LA-GCMS-015-03	Pesticides in water using GC-MS/MS using LLE
		LA-GCMS-506-01	Determination of epichlorohydrin in water using GC-MS/MS
		LA-GCMS-529-02	Determination of phthalates, adipates, tributyl phosphate and tris (2-chloroisopropyl) phosphate in water using GC-MS/MS
	LC-MS/MS	DIN 38407-F 35 2010-10	Determination of selected phenoxyalkyl carbonic acids and further acid plant treatment agents - Method using high performance liquid chromatography and mass spectrometric detection (HPLC-MS/MS)
		DIN 38407-F 36 2014-09	Determination of selected active substances of plant protection products and other organic substances in water - Method using high performance liquid chromatography and mass spectrometric detection (HPLC-MS/MS) after direct injection (here HPLC-MS/MS)
		DIN 38413-6 2007-02	Determination of acrylamide - Method using high performance liquid chromatography with mass spectrometric detection (HPLC-MS/MS)
		LA-LCMS-027-07	Determination of neutral pesticides in water using LC-MS/MS
		LA-LCMS-029-07*	Determination of paraquat and diquat in water using LC-MS/MS
		LA-LCMS-033-05	Determination of acrylamide in water using LC-MS/MS
		LA-LCMS-040-14	Determination of glyphosate, AMPA and glufosinate in water using LC-MS/MS
		LA-LCMS-073-04	Determination of acidic pesticides in water using LC-MS/MS
		LA-LCMS-079-03	Chlorate and perchlorate in water using LC-MS/MS
		LA-LCMS-086-02	Determination of pesticide metabolites in water using LC-MS/MS
		LA-LCMS-087-04	Sweeteners in water using LC-MS/MS
		LA-LCMS-091-01	Determination of fenbutatin oxide and other organotin compounds in water using LC-MS/MS
		LA-LCMS-093-07	Processing for direct injection for all types of water
		LA-LCMS-130-03	Analysis of pesticides and metabolites with low quantification limits in clean water using LC-MS/MS
Soil	homogenization	LA-LB-014-01	Sample preparation soil
	GC-MS	LA-GCMS-522-01	Dithiocarbamates in soil using headspace-SPME-GC/MS
	GC-MS/MS	LA-GCMS-033-02	Determination of pesticides in soil using GC-MS/MS

Methods within the flexible scope of accreditation

Matrix	Test type	Designation and version of the test procedure	Title test method
	LC-MS/MS	LA-LCMS-036-07	Determination of neutral pesticide residues in soil using LC-MS/MS
		LA-LCMS-037-06	Determination of acidic pesticide residues in soil using LC-MS/MS
		LA-LCMS-039-09	Determination of glyphosate, AMPA and glufosinate in soil using LC-MS/MS

* Version change to the methodology, other changes are editorial

The list of methods within the flexible scope of accreditation is updated quarterly on our website. If you need the latest version in the meantime, please contact gm-sofia@eurofins.de.