Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **L 014**

of **Stichting Wageningen Research**
Wageningen Food Safety Research (WFSR)

This annex is valid from: **19-08-2026** to **01-11-2029** Replaces annex dated: **05-08-2026**

Location(s) where activities are performed under accreditation

Head Office

Droevendaalsesteeg 4
6708 PB
Wageningen
The Netherlands

Location	Abbreviation/ location code
Akkermaalsbos 2 6708 WB Wageningen The Netherlands	W

No.	Material or product	Type of activity[1]	Internal reference number	Location
		Pre-treatment methods		
a.	Feed and raw feed materials, food and raw food materials	Isolation of DNA and transfer of isolated DNA to compatible samples by Sanger sequences to obtain DNA barcodes *(the corresponding sequencing is structurally performed by another accredited laboratory)*	SOP A1224/SOP-2392 in-house method	W
		Organic analyses		
1	Milk fat	Detection of foreign fats by analysis of triglycerides – Capillary gas chromatography	SOP N0294/SOP-2531 ISO 17678	W
2	Food and food products	Determination of the content of melamine and cyanuric acid - LC-MS-MS	SOP A1193/SOP-2373 in-house method	W

This annex has been approved by the Board of the Dutch Accreditation Council, on its behalf,

J.A.W.M. de Haas

[1] If there is a referral to a code starting with NAW, NAP, EA or IAF, this concerns a scheme mentioned on the RvA-BR010-lijst.
If no date or version number is mentioned for a normative document, the accreditation concerns the most current version of the document or scheme.

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No.	Material or product	Type of activity[1]	Internal reference number	Location
3	Animal and vegetable fats and oils	Determination of the content of methyl esters of fatty acids and the calculation of the sum of the contents of saturated and mono- and polyunsaturated fatty acids, and omega-3 and omega-6 ; GC FID	SOP A0712/SOP-2244 NEN-EN-ISO 12966-2 and EN 12966-4	W
4	Infant/follow-on formula and vegetable fats and oils	Determination of the content erucic acid; GC-FID	SOP A1325/SOP-2455 in-house method	W
5	Food	Determination of the content of cereulide, toxine of Bacillus cereus, LC-MS/MS	CHE01-WV879/SOP-2156 in-house method	W
6	Fish and fishproducts, cheese	Determination of the content of histamine; HPLC, fluorescence detection	CHE01-WV103/SOP-2121 in-house method	W
7	Fish	Determination of the content of ascorbic acid; HPLC-UV	SOP-2078 in-house method	W
8	Soy sauce	Determination of the content of 3-chloro-1,2-propanediol; GC-MS/MS	CHE01-WV804/SOP-2152 in-house method	W
9	Animal by-products (bone meal and fats)	Determination of the content of glyceroltriheptanoate (GTH); LC-MS/MS	CHE01-WV514/SOP-2127 in-house method	W
10	Fish	Determination of the content of carbon monoxide in the vapor phase of gas-treated fish, GC-FID	CHE01-WV502/SOP-2126 in-house method	W
11	Palm oil, spices and sauces	Determination of the content of Sudan-I, II, III, IV; UPLC-MS/MS	CHE01-WV840/SOP-2154 in-house method	W
12	Vegetable oils	Determination of the content of benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene and chrysene and the sum of these PAH; HPLC fluorescence-detection	CHE01-WV863/SOP-2155 in-house method	W
13		Determination of the specific extinction as a measure of quality, spectrophotometry	CHE01-WV586/SOP-2137 in-house method	W

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14	Cannabis plant material and derived products (hashish)	Determination of the content of cannabinoids (CBD, CBDA, THC, THCA, CBN, CBG, CBGA); LC-UV	SOP-A-1383/SOP-2497 in-house method	W
15	Cannabis seeds and derived products (oil)	Determination of the content of cannabinoids (CBD, CBDA, THC, THCA, CBN, CBG, CBGA); LC-MS/MS	SOP-2022 in-house method	W
16	Foods	Determination of the content of MOSH and MOAH- on-line LC-GC-FID *MOSH: total MOSH C10-C50 and the MOSH-fractions C10-C16, C16-C20, C20-C25, C25-C35 en C35-C50* *MOAH: total MOAH C10-C50 and the MOAH fractions C10-C16, C16-C20, C20-C25, C25-C35 and C35-C50*	SOP-A-1371/SOP-2487 in-house method	W
17	Used cooking oils bakolie (UCO's)	Determination of the cholesterol content; GC-FID	SOP-2565 in-house method	W
18	Guar gum	Determination of the content of pentachlorophenol; LC/MS	SOP-2386/A1214 NEN-EN 17362:2020	W
		Flexible scope – Organic analyses[2]		
19	Food (and raw materials) for human and animals, non-food, biological matrices and water	Screening, determination of the content of and confirmation of drugs and pharmacological active substances - chromatographic, spectro(photo)metric, fluorescence, mass spectrometric and immunochemical techniques	SOP VAL-0002	W
20		Screening, determination of the content of and confirmation of natural toxins; chromatographic, spectro(photo)metric, fluorescence, mass spectrometric and immunochemical techniques	SOP VAL-0002	W
21	Animal and plant products	Determination of 2,3,7,8-substituted dioxins and dibenzofuranes, non-ortho-, mono-ortho and indicator PCB's with GC-HRMS	SOP VAL-0002	W

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No.	Material or product	Type of activity[1]	Internal reference number	Location
22	Oils, fats, meat and fish	Screening and determination of the content of organochlorines; GC-MS/MS	SOP VAL-0002	W
23	Products of plant or animal origin	Detection and determination of the content of PAHs; GC-HRMS	SOP VAL-0002	W
24	Plant protection products (commercial preparations), intermediate products or raw materials intended for the preparation of plant protection products	Determination of the active ingredient content and physicochemical parameters in accordance with CIPAC methods or derived methods. Gas chromatographic, liquid chromatographic, physicochemical or wet chemical techniques.	SOP VAL-0002	W
25	Food, biological and environmental matrices and water	Detection, determination of the content of and confirmation of Per- and Polyfluoralkyl substances (PFAS), chromatographic and spectrometric techniques	SOP VAL-0002	W
26	Feed and food	Detection and determination of the content of hydrocyanic acid; HPLC	SOP VAL-0002	W
27	Foods	Detection and determination of the content of acrylamide; LC-MS^n	SOP VAL-0002	W
28	Products of plant or animal origin and soil	Detection and determination of the content of pesticides; gas and liquid chromatography combined with ECD, FPD, MS^n and $HRMS^n$ detection, and extraction methods using organic solvents	SOP VAL-0002	W
29	Food	Detection and/or confirmation of the identity of food allergens; LC-MS/MS	SOP VAL-0002	W
30	Food and feed	Determination of the content of Chloropropanediols; GC-MS/MS	SOP VAL-0002	W
		Chemometrics		
31	Eggs of chickens	Determination of the carotenoid profile and the corresponding quality mark production system for eggs; HPLC/DAD and multivariation classification	SOP-A1126/SOP-2339 in-house method	W

No.	Material or product	Type of activity[1]	Internal reference number	Location
		Flexible scope - Chemometrics[3]		
32	Cow milk and cow milk products	Determination of the fatty acid profile and the corresponding authentication of the production system; GC-FID and multivariation classification	SOP VAL-0002	W
		Flexible scope - Radioactivity measurements[4]		
33	Agricultural products: animal tissue, food and - raw materials, feed and - raw materials, fertilizers, soil and other environmental matrices	Determination of the activity of beta emitters; liquid scintillation counting	SOP VAL-0002	W
34	Animal tissue and raw materials, feed and raw materials, fertilizers and environmental matrices	Determination of the activity of alpha emitters; alphaspectrometry	SOP VAL-0002	W
35	Agricultural products: animal tissue, food and raw materials, feed and raw materials	Determination of the activity of gamma emitters; semiconductor gamma spectrometry and gamma spectrometry with NaI detector	SOP VAL-0002	W
		Inorganic and physical analyses		
36	Milk and milk products	Determination of fat content by Röse Gottlieb; gravimetric	SOP A0756/SOP-2251 IDF 1/ISO 1211 (milk) IDF 9/ISO 1736 (milk powder)	W
37		Determination of nitrogen concentration and the calculation of the crude protein content; Kjeldahl method	SOP A0835/SOP-2263 NEN-EN-ISO 8968-1	W

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[4] The laboratory is obliged to maintain an up-to-date list of activities performed under this flexible scope. This list can be requested from the laboratory.

No.	Material or product	Type of activity[1]	Internal reference number	Location
38	Meat and meat products	Determination of nitrogen concentration and the calculation of the crude protein content; Kjeldahl method	SOP A0839/SOP-2265 NEN-ISO 937	W
39	Fertilizers	Determination of the sum of nitric and ammoniacal nitrogen according to Devarda	SOP N0371/SOP-2547 Part A NEN-EN 15476	W
40	Manure and manure products	Determination of total nitrogen content; titrimetric	SOP N0328/SOP-2541 NEN 7434 sample pre-treatment SOP N0325/SOP-2538 NEN 7430 SOP N0326/SOP-2539 NEN 7431 decomposition SOP N0327/SOP-2540 NEN 7433	W
41		Determination of the total phosphor content; spectrophotometric	SOP N0329/SOP-2542 2e ontwerp NEN 7435:1998 sample pre-treatment SOP N0325/SOP-2538 NEN 7430 SOP N0326/SOP-2539 NEN 7431 SOP N0327/SOP-2540 NEN 7433	W
42	Butter	Determination of non-fat dry matter content; gravimetric	SOP N0357/SOP-2545 NEN-EN-ISO 3727-2/IDF 80-2	W
43		Determination of fat content; gravimetric	SOP N0388/SOP-2554 NEN-EN-ISO 17189/IDF 194	W
44	Milk and milk powder of cows origin	Determination of the alkaline phosphatase activity; fluorophos	SOP N0335/SOP-2544 NEN-EN-ISO 11816-1	W
45	Vegetables	Determination of the content of nitrate; continuous flow analysis	CHE01-WV123/SOP-2124 in-house method	W
46	Vegetable oils	Determination of the content of free fatty acids (FFA); cold method, expressed as percentage oil acidity, tritrimetry	CHE01-WV584/SOP-2135 in-house method	W
47		Determination of the peroxide value, tritrimetry	CHE01-WV585/SOP-2136 in-house method	W
48	Food	Detection of sulphur dioxide; colour-reaction	CHE01-WV109/SOP-2122 in-house method	W

No.	Material or product	Type of activity[1]	Internal reference number	Location
49	Food	Determination of the content of sulphur dioxide; segmented flow analyse (SFA) with spectrophotometric detection	CHE01-WV110/SOP-2123 in-house method	W
50		Determination of the content of sodium nitrate and sodium nitrite; segmented flow analyse (SFA)	CHE01-WV150/SOP-2125 in-house method	W
51	Feed	Determinination of the nitrogen content and calculation of the crude protein content; Kjeldahl method	SOP A0584/SOP-2227 EG 152/2009, annex III, part C	W
52		Determination of the crude fiber content; Gravimetric	SOP A0836/SOP-2264 EG 152/2009, annex III, part I	W
53		Determination of the crude fat content after acidic hydrolysis; Gravimetric	SOP A0732/SOP-2250 EG 152/2009, annex III, part H, method B	W
54		Determination of the starch content; Polarimetric	SOP A0731/SOP-2249 EG 152/2009, annex III, part L	W
		Flexible scope – Inorganic and physical analyses[5]		
55	Products for human and animal consumption, other plant and animal products and environmental matrices	Determination of the amount of elements; ICP-MS	SOP VAL-0002	W
56	Food, feed and raw feed materials	Determination of the moisture content; gravimetry	SOP VAL-0002	W
		Microbiological analyses		
57	Poultry meat	Screening and groupidentification of antimicrobial residues (Poultry Scan); microbiological screening	SOP A0710/SOP-2243 in-house method	W
58	Animal feed	Screening and groupidentification of antimicrobial residues; high voltage electrophoresis; microbiological (post) screening	SOP A0508/SOP-2222 in-house method	W

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No.	Material or product	Type of activity[1]	Internal reference number	Location
59	Animal feed	Screening and groupidentification of antimicrobial residues; multi plate method; microbiological screening	SOP A0509/SOP-2223 in-house method	W
60	Pre-urine (renal pelvis fluid)	Screening for antimicrobial residues; Nouws Antibiotic Test (NAT-screening); microbiological screening	SOP A0944/SOP-2279 in-house method	W
61	Kidney	Screening and identification of antimicrobial residues; Nouws Antibiotic Test (NAT-Kidney); microbiological (post) screening	SOP A0945/SOP-2280 in-house method	W
62	Meat	Screening and identification of antimicrobial residues; Nouws Antibiotic Test (NAT-Meat); microbiological (post) screening	SOP A0946/SOP-2281 in-house method	W
63	Milk	Screening and identification of antimicrobial residues; multi-plate method	SOP A0717/SOP-2245 in-house method	W
64	Eggs	Screening and identification of antimicrobial residues; microbiological screening	SOP A0792/SOP-2258 in-house method	W
65	Samples from the primary production stage (spleen)	Determination of the number of culturable bacteria; plate count technique	MIC04-WV013/SOP-2161 in-house method	W
66	Food, feed and en omgevingsmonsters (voedsel- of diervoederproductie), samples from the primary production stage	Determination of *Salmonella* spp.; detected/not detected, screening, enrichment and confirmation; PCR	MIC04-WV505/SOP-2108 enrichment, screening, isolation NEN-EN-ISO 6579-1 confirmation, in-house method	W
67	Food and feed	Determination of the number of coagulase positive *Staphylococcen*; plate count technique	MIC04-WV114/SOP-2171 NEN-EN-ISO 6888-2	W
68	Samples from the primary production stage (animals for slaugter)	Determination of the number culturable bacteria and the number of *Enterobacteriaceae*; plate count technique	MIC04-WV102/SOP-2164 NEN-EN-ISO 4833-1 NEN-EN-ISO 21528-2	W

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69	Raw and ready-to-cook fish and seafood (unprocessed)	Determination of the Most Likely Number of *Escherichia coli*; MPN-method	MIC04-WV109/SOP-2167 NEN-EN-ISO 16649-3	W
70	Food, feed and samples from the primary production stage	Determination of the number of culturable bacteria at 30°C; plate-count method	MIC04-WV101/SOP-2163 NEN-EN-ISO 4833-1	W
71		Determination of the number of *Enterobacteriaceae* at 37°C; plate-count technique	MIC04-WV106/SOP-2165 NEN-EN-ISO 21528-2	W
72	Food and environmental samples (food or feed production)	Detection of *Listeria monocytogenes*; detected/not detected, confirmation; mass spectrometry (MALDI-TOF)	MIC04-WV500/SOP-2176 isolation and detection NEN-EN-ISO 11290-1 confirmation Microval 2017LR75 and AOAC-OMA 2017.010	W
73	Food and feed	Determination of the number *Escherichia coli*; plate count method	MIC04-WV107/SOP-2166 NEN-ISO 16649-2	W
74	Ready-to-eat and ready-to-reheat meat products, raw and ready-to-cook fish and seafood (unprocessed), dried grains, fruit, nuts, seeds and vegetables, multi component food or meal components	Determination of the number of *Clostridium perfringens*; plate count method, confirmation mass spectrometry (MALDI-TOF)	MIC04-WV112/SOP-2169 isolation NEN-EN-ISO 7937 confirmation in-house method	W
75	Food and feed	Determination of the number of presumptive *Bacillus cereus*; plate count method	MIC04-WV111/SOP-2168 NEN-EN-ISO 7932	W
76	Food	Determination of the number of *Listeria monocytogenes*; plate count method, confirmation mass spectrometry (MALDI-TOF)	MIC04-WV123/SOP-2173 isolation NEN-EN-ISO 11290-2 confirmation Microval 2017LR75 and AOAC-OMA 2017.010	W
77		Detection of *Campylobacter* spp. in Bolton Broth; detected/not detected, confirmation mass spectrometry (MALDI-TOF)	MIC04-WV501/SOP-2177 isolation NEN-EN-ISO 10272 confirmation Microval 2017LR74 and AOAC-OMA 2017.09	W

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78	Food	Determination of the number of *Enterobacteriaceae* at 35°C; MPN method	MIC04-WV137/SOP-2174 NEN-ISO 21528-2 (AFNOR BIO 12/21-12/06)	W
79		Determination of the number of aëroob culturable bacteria at 30°C; MPN method	MIC04-WV137/SOP-2174 NEN-EN-ISO 4833-1 (AFNOR BIO 12/35-05/13)	W
80		Detection of Staphylococcen enterotoxinen; dialysis and ELFA test (enzyme-linked fluorescent immunoassay)	MIC04-WV516/SOP-2183 NEN-EN-ISO 19020	W
81	Bacteria isolates	Determination of the antibiotic sensitivity; antibiotic sensitivity test; microdilution method	MIC04-WV006/SOP-2158 ISO 20776-1	W
82	Water	Detection of bacterial-growth limiting residues; Water Scan	MVO209/SOP-2215 in-house method	W
83	Raw and ready-to-cook fish and seafood (unprocessed)	Detection of *Vibrio parahaemolyticus* and/or *Vibrio cholerae*; detected/not detected, confirmation PCR	MIC04-WV508/SOP-2180 isolation ISO 21872-1 confirmation in-house method	W
84	Raw meat and ready-to-cook meat products	Detection of meticillineresistant *Staphylococcus aureus* (MRSA); detected/not detected	MIC04-WV511/SOP-2107 Protocol EURL-AR	W
85	Food	Determination of the number of *Campylobacter* spp. at 41,5 °C; plate count method, confirmation mass spectrometry (MALDI-TOF)	MIC04-WV150/SOP-2175 isolation ISO 10272-2 confirmation Microval 2017LR74 and AOAC-OMA 2017.09	W
86	Hemp plant products	Determination of the number of fungi and yeasts at 22,5 °C, plate count method	SOP A1401/SOP-2510 Pharamacopeia: 20612E: §4-5-1, §5-2-2-1 and §5-2-2-2	W
87	Hemp plant products	Determination of the number of aerobic culturable bacteria and the number of *Staphylococcus aureus at* 32,5 °C; plate count method	SOP A1402/SOP-2511 Pharamacopeia: 20613E: §4-5-1, §4-5-2 20612E: §4-5-1, §5-2-2-1 and §5-2-2-2	W
88	Food	Determination of *Escherichia coli* at 44°C; detected/not detected; confirmation TBX agar	SOP2033 in-house method	W

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		Flexible scope - Microbiological analyses [2]		
89	Bacteriological isolates	Confirmation of bacteriological isolates; mass spectrometry (MALDI-TOF)	SOP VAL-0002	W
		Microscopic analyses		
90	Agricultural products	Microscopic identification of undesirable admixtures	SOP A0680/SOP-2238 in-house method	W
91		Microscopic identification and composition	SOP A0696/SOP-2240 in-house method	W
92		Pre-treatment of samples for microscopic research	SOP A0678/SOP-2236 in-house method	W
93	Rice	Determining of the average length, average width, length/width ratio and the level of fracture; micrometer	SOP A0697/SOP-2241 in-house method	W
94		Identifying paddy, husked, half white and full white rice, microscopic	SOP A0728/SOP-2248 in-house method	W
95	Animal feed (inclusive raw materials)	Screening and determination of foreign matter; visual, microscopic, gravimetric	SOP A1093/SOP-2322 in-house method	W
96		Determination of some Ambrosia spp. in seed mixtures; visual, microscopic, gravimetric	SOP A1102/SOP-2327 in-house method	W
97	Animal feed	Identification of animal proteins - Microscopic	SOP N0447/SOP-2568 (EC) 152/2009	W
98	Milk	Enumeration of somatic cells; microscopic	SOP N0421/SOP-2562 ISO 13336-1	W
99	Animal feed (inclusive raw feed materials)	Determination of foreign matter; visual and gravimetric	SOP A1013/SOP-2294 in-house method	W
		Biochemical and molecular biological analyses		
100	Animal feed and fats	Screening of dioxins and dioxin-like PCB's; bioassay	SOP A0877/SOP-2272 SOP A0880/SOP-2273 own methods	W

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Flexible scope – Biochemical and molecular biological analyses [6]				
101	Feed and related raw feed materials, foods and related raw food materials	Detection and determination of genetically modified organisms and derived products; (real time) PCR	SOP VAL-0002	W
102		Species identification; (real-time) PCR	SOP VAL-0002	W
103	Nucleotide sequence data	Identification of species by comparing the reference genome data; bio informatic data analysis	SOP VAL-0002	W
104	Urine and animal feed (inclusive raw materials)	Screening on hormonal activity; yeast bioassay with fluorescence measurement	SOP VAL-0002	W
105	Food, products of animal origin, environmental samples and samples from the primary production stage	Detection of food-related micro-organisms; real-time PCR	SOP VAL-0002	W
106		Detection and quantification of viral RNA; real-time PCR	SOP VAL-0002	W

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