

Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **L 234**

of **AGROLAB Dr. Verwey B.V.**

This annex is valid from: **08-02-2023** to **01-01-2025**

Replaces annex dated: **31-08-2022**

Location(s) where activities are performed under accreditation

Head Office

Oosteinde 3
2991 LG
Barendrecht
The Netherlands

Location	Abbreviation/ location code
Oosteinde 3 2991 LG Barendrecht The Netherlands	BA

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

J.A.W.M. de Haas

of **AGROLAB Dr. Verwey B.V.**

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No.	Material or product	Type of activity ¹	Internal reference number	Location
Sampling				
a	Copra, dried figs, dried fruits, (ground) nuts, pistachios, Brazil nuts and other types of nuts, grains and grainproducts, herbs and spices	Sampling for the analysis on mycotoxins	MP-02103-NL EU 401/2006 - Appendix 1 EU 178/2010 - Appendix 1 EU 519/2014 - Appendix 1	BA
Sample pretreatment				
-	Copra, dried figs, dried fruits, (ground) nuts, pistachios, Brazil nuts and other types of nuts, grains and grainproducts, herbs and spices	Sample pretreatment for the analysis on mycotoxins with in house reference number MP-01459-NL, MP-02224-NL and MP-02228-NL	MP-02104-NL in house method	BA
-		Sample preparation of oil seeds for the analysis on aflatoxin with in house reference number MP-01459-NL, MP02224-NL and MP-02228-NL	MP-02104-NL in house method	BA
Organic chemistry				
1	Food, feed and feedingstuffs, vegetable and animal fats, Oilseeds, herbs spices	Determination of the level of mycotoxin; LCMSMS Aflatoxin B1 Nivalenol Aflatoxin B2 HT-2 Toxin Alfatoxin G1 T-2 Toxin Aflatoxin G2 DAS Ochratoxin A Fumonisin B1 Zearalenone Fumonisin B2 Deoxynivalenol	MP-02228-NL in house method	BA
2	(Ground) nuts, copra, peanutbutter and figs	Determination of the level of aflatoxin B1, B2, G1 and G2; clean-up through immunoaffinity chromatography; HPLC-Fluorescence	MP-01459-NL in house method	BA
3	Herbs and spices, feed and feedingstuffs, animal and vegetable oils, fats and fatty acids	Determination of the level of aflatoxin B1, B2, G1 and G2; clean-up through immunoaffinity chromatography; HPLC-Fluorescence	MP-02224-NL in house method	BA

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-list](#).
 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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4	Vegetable and animal fats and oils and fat containing foodstuffs and feedingstuffs	Determination of the level of polycyclic aromatic hydrocarbons (PAH's); DACC-HPLC-Fluorescence benzo[a]anthracene, chrysene, benzo[b]fluoranthene, benzo[a]pyrene	MP-01456-NL ISO 22959	BA
5		Determination of the level of polycyclic aromatic hydrocarbons (PAH's); DACC-HPLC-Fluorescence and UV acenaphthene, phenanthrene, anthracene, fluoranthene, pyrene, benzo[a]anthracene, chrysene, benzo[e]pyrene, benzo[b]fluoranthene, perylene, benzo[k]fluoranthene, benzo[a]pyrene, dibenzo[a,h]anthracene, benzo[g,h,i]perylene, indeno[1,2,3, -cd]pyrene, anthanthrene, coronene, acenaphthylene, cyclopenta(c,d)pyrene, 5-methylchrysene, benzo(j)fluoranthene, dibenzo(a,l)pyrene, dibenz(a,e)pyrene, dibenz(a,i)pyrene, dibenz(a,h)pyrene	MP-01456-NL in house method	BA
6	Herbs, spices and food supplements	Determination of the level of polycyclic aromatic hydrocarbons (PAH); GPC-DACC-HPLC-Fluorescence benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(a)pyrene.	MP-02123-NL CEN/TS 16621	BA
7	Animal and vegetable fats, oils and fatty acids	Determination of the level of benzo[a]pyrene; reversed-phase High-Performance Liquid Chromatography	MP-02226-NL ISO 15302	BA
8	Food, feed and feedingstuffs	Determination of the level of Chlormequat and Mepiquat; LCMSMS	MP-02232-NL EN 15055	BA
9		Determination of the level of Diquat and Paraquat; LCMSMS	MP-02232-NL in house method	BA
10	Food, feed, feedingstuffs, spices, animal and vegetable oils and oilseeds	Determination of glyphosate, aminomethylphosphonic acid(AMPA) and glyphosate (expressed as glyphosate-ammonium); LCMSMS	MP-02657-NL in house method	BA
11	Food	Determination of the level of vanillin, ethyl-vanillin en coumarin; RP HPLC-DAD	MP-02111-NL in house method	BA

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12	Feed and feedingstuffs	Determination of hydrocyanic acid; HPLC-Fluorescence	MP-02110-NL EN 16160	BA
13	Food	Determination of hydrocyanic acid; HPLC-Fluorescence	MP-02110-NL in house method	BA
14	Vegetable and animal fats and oils	Determination of the level of total and individual sterols (cholesterol, brassicasterol, campesterol, stigmasterol, beta sitosterol, delta-5 avenasterol, delta-7 stigmasterol, delta-7 avenasterol); GC-FID	MP-02208-NL ISO 12228-1	BA
15	Vegetable and animal fats, oils and fatty acids	Determination of the level of methyl esters of fatty acids; preparation and analysis by gaschromatography; GC-FID C4:0, C6:0, C8:0, C9:0, C10:0, C10:1, C11:0, C12:0, C12:1, C13:0, C13:1, C13 branched, C14:0, C14:1, C14 branched, C15:0, C15:1, C15 branched, C16:0, C16:1, C16:2, C16:3 (n-3), C16:4, C16 branched, C17:0, C17:1, C17 branched, C18:0, C18:1 (n-9), C18:1-trans, C18:1-ricinol, C18:2 (n-6), C18:2 (5,9), C18:2 (9,12), C18:2 conjugated, C18:2-trans, C18:3 (n-3 alpha), C18:3-alpha, C18:3-beta, C18:3-gamma, C18:3 (5,9,12), C18:3 (9,12,15), C18:3-trans, C18:4 (n-3), C18 branched, C18-OH, C19:0, C20:0, C20:1 (n-6), C20:2 (n-6), C20:3 (n-3), C20:3 (n-6), C20:4 (n-3), C20:4 (n-6), C20:5 (n-3), C21:0, C22:0, C22:0, C22:1 (n-9), C22:2 (n-6), C22:3 (n-3), C22:4 (n-6), C22:5 (n-3), C22:5 (n-6), C22:6 (n-3), C23:0, C24:0, C24:1.	MP-02203-NL ISO 12966-2/12966-4	BA
16		Determination of the level of hydrocarbons C10-C56; GC-FID	MP-02201-NL in house method	BA
17		Determination of the level of hydrocarbons C10-C40; GC - FID	MP-02202-NL VVR bundel part II – OSP 15 (RIVM method)	BA

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18	Vegetable and animal fats, oils and fatty acids	Determination of the level of volatile organic components; Headspace GC-MS methanol, ethanol, 2-propenal, 2-propanol, acetone, pentane, acrylonitrile, n-propanol, methyl-tert-butyl ether, vinylacetatemonomer, methylethylketone, hexane, chloroform, methylacrylate, methylcyclopentane, tetrahydrofuran, (1,2 dichloorethaan (EDC), 1,1-trichloroethaan, cyclohexaan, carbontetrachloride, benzeen, pentanal, ethylacrylaat, heptaan, trichloroethyleen, epichlorohydrin, methylcyclohexaan, methyl iso-butylketon, toluen, octaan, hexanal, tetrachloroethyleen, ethylbenzeen, m/p-xyleen, butylacrylaat, styreen, o-xyleen, n-decaan	MP-02205-NL in house method	BA
19	Food, feed and feedingstuffs	Determination of the level of dithiocarbamates (as CS ₂); Headspace GC-MS	MP-02117-NL In house method	BA

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No.	Material or product	Type of activity ¹	Internal reference number	Location
20	Animal and vegetable oils, fats, fatty acids and oleochemicals	Determination of the level of dioxins (PCDD's), dibenzofuranes (PCDF's), dioxin-like PCB's en non-dioxin-like PCB's; GC-HRMS/MSMS <i>Dioxinen:</i> <i>dioxin-like</i> <i>PCB's:</i> 2,3,7,8-Tetra CD PCB 77 1,2,3,7,8-Penta CDD PCB 81 1,2,3,4,7,8-Hexa CDD PCB 105 1,2,3,6,7,8-Hexa CDD PCB 114 1,2,3,7,8,9-Hexa CDD PCB 118 1,2,3,4,6,7,8-Hepta CDD PCB 123 Octa CDD PCB 126 PCB 156 PCB 157 <i>Dibenzofuranen:</i> PCB 167 2,3,7,8-Tetra CDF PCB 169 1,2,3,7,8-Penta CDF PCB 189 2,3,4,7,8-Penta CDF 1,2,3,4,7,8-Hexa CDF <i>non-dioxin-like</i> <i>PCB's:</i> 1,2,3,6,7,8-Hexa CDF PCB 28 1,2,3,7,8,9-Hexa CDF PCB 52 2,3,4,6,7,8-Hexa CDF PCB 101 1,2,3,4,6,7,8-Hepta CDF PCB 138 1,2,3,4,7,8,9-Hepta CDF PCB 153 Octa CDF PCB 180	MP-02200-NL EN 16215 Food analyses EU 2017/644	BA
21	Animal and vegetable oils, fats and glycerin	Determination of the level of phthalates and adipates; GC-MS Diethyl adipate (DEA), Dimethyl phthalate (DMP), Diethyl phthalate (DEP), Tributyl phosphate (TBP), Acetyltriethyl citrate (ATEC), Di-isobutyl adipate (DIBA), Dibutyl adipate (DBA), Diisobutyl phthalate (DIBP), Dibutyl phthalate (DBP), bis(2-methoxyethyl) phthalate (DMEP), Acetyltributylcitrate (ATBC), Di-n-hexyl phthalate (DnHP), Diisooctyl adipate (DIOA), di(2-ethylhexyl)-adipate (DEHA), Benzylbutyl phthalate (BBP), Di(2-ethylhexyl) phthalate (DEHP), Diisooctyl phthalate (DIOP), Dicyclohexyl phthalate (DCHP), Di-n-octyl phthalate (DNOP), Diisononyl phthalate (DINP), Diisodecyl phthalate (DIDP), Dinonyl phthalate (DNP)	MP-02640-NL in house method	BA

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No.	Material or product	Type of activity ¹	Internal reference number	Location
22	Feed and feedingstuffs	Determination of the level of dioxins (PCDD's), dibenzofuranes (PCDF's), dioxin-like PCB's en non-dioxin-like PCB's; GC-HRMS/MSMS <i>Dioxinen:</i> <i>dioxin-like</i> <i>PCB's:</i> 2,3,7,8-Tetra CD PCB 77 1,2,3,7,8-Penta CDD PCB 81 1,2,3,4,7,8-Hexa CDD PCB 105 1,2,3,6,7,8-Hexa CDD PCB 114 1,2,3,7,8,9-Hexa CDD PCB 118 1,2,3,4,6,7,8-Hepta CDD PCB 123 Octa CDD PCB 126 PCB 156 PCB 157 <i>Dibenzofuranen:</i> PCB 167 2,3,7,8-Tetra CDF PCB 169 1,2,3,7,8-Penta CDF PCB 189 2,3,4,7,8-Penta CDF 1,2,3,4,7,8-Hexa CDF <i>non-dioxin-like</i> <i>PCB's:</i> 1,2,3,6,7,8-Hexa CDF PCB 28 1,2,3,7,8,9-Hexa CDF PCB 52 2,3,4,6,7,8-Hexa CDF PCB 101 1,2,3,4,6,7,8-Hepta CDF PCB 138 1,2,3,4,7,8,9-Hepta CDF PCB 153 Octa CDF PCB 180	MP-02200-NL EN 16215 Feed: analyses EU 2017/771	BA
23	Vegetable oils and foodstuff on basis of vegetable oils	Determination of the level of MOSH/POSH and MOAH; LC-GC-FID MOSH/POSH: C10-C16; C16-C20; C20-C25; C25-C35; C35-C40; C40-C50 and C10-C50 MOAH: C10-C16; C16-C25; C25-C35; C35-C50 and C10-C50	MP-02233-NL EN 16995	BA
24	Packaging materials, food and feed and feedingstuffs (low fat content)	Determination of the level of MOSH/POSH and MOAH; LC-GC-FID MOSH/POSH: C10-C16; C16-C20; C20-C25; C25-C35; C35-C40; C40-C50 and C10-C50 MOAH: C10-C16; C16-C25; C25-C35; C35-C50 and C10-C50	MP-02233-NL extraction BfR method analysis EN 16995	BA
25	Edible oils, fats and oleochemicals	Determination of the level of fatty acid bound 2-MCPD, 3-MCPD and glycidol; acid transesterification and GC-MS	MP-02215-NL AOCS Cd 29a-13	BA

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26	Edible oils, fats and oleochemicals	Determination of the level of fatty acid bound 2-MCPD, 3-MCPD and glycidol; alkaline transesterification and GC-MSMS	MP-02152-NL ISO 18363-4, AOCS Cd 29d-19	BA
27	Food and infant formula	Determination of the level of fatty acid bound 2-MCPD, 3-MCPD and glycidol; alkaline transesterification and GC-MSMS	MP-02152-NL in house method (extraction: in house method, analyses: ISO 18363-4, AOCS Cd 29d-19)	BA
28	Food, feed and feedingstuffs	Determination of the level of the sum of ethyleneoxide and 2-chloro-ethanol expressed as ethylene oxide; GC-MSMS	MP-02705-NL in house method	BA
29	Animal and vegetable oils, fats and fatty acid	Determination of the level of aliphatic hydrocarbons; GC-FID	MP-02216-NL ISO 17780	BA

Inorganic chemistry

30	Vegetable fats, oils and fatty acids	Determination of the level of phosphorus; ICP-OES	MP-01444-NL ISO 10540-3 AOCS CA 20-99	BA
31	Feed and feedingstuffs	Determination of the level of elements with ICP-MS Al, As, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Na, Ni, P, Pb, Ti, Zn	MP-01445-NL in house method	BA
32	Animal and vegetable oils, fats and fatty acids	Determination of the level of elements with ICP-MS Li, Cr, Mn, Fe, Co, Ni, Cu, Zn, As, Se, Cd, Sn, Sb, Pb	MP-01445-NL in house method	BA
33	Glycerin	Determination of the level of elements; ICP-MS As, Pb, Cd	MP-01445-NL in house method	BA
34	Food, feed and feedingstuffs	Determination of the level of mercury (Hg) with FIMS and cold vapor technique; CVAFS	MP-01452-NL in house method	BA
35	Oilseeds	Determination of the level of moisture and volatile matter; gravimetry	MP-01313-NL ISO 665	BA

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36	Oilseeds, (ground)nuts and scrap	Determination of peroxide value, cold solvent method; titrimetry	MP-01292-NL in house method	BA
37		Determination of acid value and acidity, cold solvent method; titrimetry	MP-01294-NL in house method	BA
38	Animal and vegetable fats, oils and fatty acids	Determination of acid value and acidity; titrimetry	MP-01295-NL ISO 660 method 9.1	BA
39		Determination of peroxide value; titrimetry	MP-01296-NL ISO 3960	BA
40		Determination of iodine value; titrimetry	MP-01297-NL ISO 3961	BA
41		Determination of mass per unit volume ("litre weight") in air	MP-01310-NL ISO 6883	BA
42	Vegetable and animal oils and fats	Determination of conventional mass per volume (litre weight in air) — Oscillating U-tube method	MP-01349-NL ISO 18301	BA
43	Fatty acids, glycerin and oleochemicals	Determination of conventional mass per volume (litre weight in air) — Oscillating U-tube method	MP-01349-NL in house method (analysis ISO 18301)	BA
44	Vegetable and animal oils, fats, glycerin and fatty acids	Determination of conventional mass per volume (litre weight in air) and the density — Oscillating U-tube method	MP-01349-NL Eur. Pharm. Method 2.2.5 USP method 841 (method II) JP method 2.56-4	BA
45	Biodiesel and oleochemicals	Determination of the density — Oscillating U-tube method	MP-01349-NL in house method (analysis ISO 12185)	BA
46	Animal and vegetable fats, oils and fatty acids	Determination of the level of moisture and volatile matter; gravimetry	MP-01311-NL ISO 662 AOCS Ca 2b-38 EG 152/2009 Appendix III-B	BA
47		Determination of the level of insoluble impurities; gravimetry	MP-01312-NL ISO 663	BA

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48	Feed and feedingstuffs	Determination of the level of crude fibre; gravimetry	MP-01369-NL Feed EU 152/2009 Appendix III-I, feedingstuffs in house method (analysis EU 152/2009 Appendix III-I) GAFTA Method 9.0 ISO 6865	BA
49		Determination of the level of moisture; gravimetry	MP-01377-NL EU 152/2009 Appendix II-A GAFTA Method 2.1 ISO 6496	BA
50		Determination of the level of crude protein; titrimetry	MP-01389-NL EU 152/2009 Appendix III-C GAFTA Method 4.1 ISO 5983-2	BA
51	Feed and feedingstuffs	Determination of the level of crude fat and total crude fat; gravimetry	MP-01390-NL EU 152/2009 Appendix III-H, methods A en B GAFTA Method 3:2 ISO 6492	BA
52		Determination of the level of crude ash; gravimetry	MP-01370-NL ISO 5984 EU 152/2009 Appendix III-M GAFTA Method 11.1	BA
53	Feed and feedingstuffs	Determination of fluoride content after hydrochloric acid treatment; ionsensitive electrode method (ISE)	MP-01393-NL EN 16279	BA
54	Vegetable lecithin	Determination of water content; Karl Fischer	MP-01356-NL in house method	BA
55		Determination of acid value; titrimetry	MP-01354-NL AOCS Ja 6-55	BA
56		Determination of acetone insoluble matter; gravimetry	MP-01364-NL AOCS Ja 4-46	BA
57		Determination of hexane insoluble matter; gravimetry	MP-01363-NL AOCS Ja 3-87	BA
58		Determination of toluene insoluble matter; gravimetry	MP-01357-NL ISO 28198	BA

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Microbiology				
59	Food, feed and feedingstuffs	Determination of Salmonella - VIDAS SLM	MP-01269-NL ISO-6579 AFNOR BIO 12/16-09/05	BA
60		Determination of Salmonella - PCR	MP-01270-NL ISO-6579 AFNOR GEN-25/05-11/08	BA
61		Enumeration of <i>Bacillus cereus</i> , MYP, 30°C, colony-count technique	MP-01271-NL ISO 7932	BA
62		Enumeration of micro-organisms (aerobic plate count) at 30°C, colony-count technique	MP-01481-NL ISO 4833-1	BA
63	Food, feed and feedingstuffs	Determination of β-glucuronidasepositive E. coli at 44°C; colony-count technique, TBX	MP-01273-NL ISO 16649-2	BA
64		Enumeration of coliforms, VRBL, 30°C, colony-count technique	MP-01274-NL ISO 4832	BA
65		Enumeration of <i>Enterobacteriaceae</i> , VRBG, 37°C, colony-count technique	MP-01275-NL ISO 21528-2	BA
66		Enumeration of yeasts and moulds, YGC, 25°C, 120H, colony-count technique	MP-01278-NL ISO 7954:1987	BA
67		Enumeration of coagulase-positive <i>Staphylococcus aureus</i> , RPF, 37 °C, colony-count technique	MP-01277-NL ISO 6888-2	BA
Flexible scope ²				
68	Food of plant origin	Determination of the level of pesticides; LC-MS/MS	MP-02231-NL EN 15662	BA
69	Feed and feedingstuffs, Food of animal origin	Determination of the level of pesticides; LC-MS/MS	MP-02231-NL in house method (sample preparation in house method, analysis EN 15662)	BA

² 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.

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70	Food of plant origin, low fat content (<5%)	Determination of the level of pesticides and polychlorinated biphenyls (PCB); GC-MS/MS	MP-02213-NL pesticides EN 15662 PCB's in house method	BA
71	Food of plant origin, high fat content (>5%), food of animal origin and feed and feedingstuffs	Determination of the level of pesticides and polychlorinated biphenyls (PCB); GC-MS/MS	MP-02213-NL in house method (sample preparation pesticides in house method, analysis determination EN 15662)	BA