

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

of **Dr. A. Verwey B.V.**

This annex is valid from: **17-11-2021** to **01-01-2025**

Replaces annex dated: **03-11-2021**

Location(s) where activities are performed under accreditation

Head Office

Coolhaven 34
3024 AC
Rotterdam
The Netherlands

Location	Abbreviation/ location code
Coolhaven 34 3024 AC Rotterdam The Netherlands	RO
Rederijweg 30 4906 CX Oosterhout The Netherlands	OH

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

J.A.W.M. de Haas

of **Dr. A. 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	RO and OH
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	RO and OH
-		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	RO and OH
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	RO
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	RO and OH
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	RO

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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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	RO
5		Determination of the level of polycyclic aromatic hydrocarbons (PAH's); DACC-HPLC-Fluorescence and UV acenaphtene, 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, acenaphtylene, 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	RO
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	RO
7	Spices (preparations)	Determination of the level of benzo[a]pyrene; HPLC-Fluorescence	MP-02223-NL in house method	RO
8	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	RO
9	Food, feed and feedingstuffs	Determination of the level of Chlormequat and Mepiquat; LCMSMS	MP-02232-NL EN 15055	RO
10		Determination of the level of Diquat and Paraquat; LCMSMS	MP-02232-NL in house method	RO
11	Food, feed, feedingstuffs, spices, animal and vegetable oils and oilseeds	Determination of glyphosate, aminomethylphosphonic acid(AMPA) and glyphosinate (expressed as glyphosinate-ammonium); LCMSMS	MP-02657-NL in house method	RO

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12	Food	Determination of the level of vanillin, ethyl-vanillin en coumarin; RP HPLC-DAD	MP-02111-NL in house method	RO
13	Feed and feedingstuffs	Determination of hydrocyanic acid; HPLC-Fluorescence	MP-02110-NL EN 16160	RO
14	Food	Determination of hydrocyanic acid; HPLC-Fluorescence	MP-02110-NL in house method	RO
15	Vegetable and animal fats and oils	Determination of the level of total and individual sterols; GC-FID	MP-02208-NL ISO 12228-1	RO
16	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	RO
17		Determination of the level of hydrocarbons C10-C56; GC-FID	MP-02201-NL in house method	RO
18		Determination of the level of hydrocarbons C10-C40; GC - FID	MP-02202-NL VVR bundel part II – OSP 15 (RIVM method)	RO

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No.	Material or product	Type of activity ¹	Internal reference number	Location
19	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), 1.1.1.-trichloroethaan, cyclohexaan, carbontetrachloride, benzeen, pentanal, ethylacrylaat, heptaan, trichloroethyleen, epichlorohydrin, methylcycloHexaan, methyl isobutylketon, toluen, octaan, hexanal, tetrachloroethyleen, ethylbenzeen, m/p-xyleen, butylacrylaat, styreen, o-xyleen, n-decaan	MP-02205-NL in house method	RO
20	Food, feed and feedingstuffs	Determination of the level of dithiocarbamates (as CS ₂); Headspace GC-MS	MP-02117-NL In house method	RO

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21	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	RO
22	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	RO

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23	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	RO
24	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	RO
25	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	RO
26	Edible oils and fats and oleochemicals	Determination of the level of 2-MCPD, 3-MCPD en glycidyl fatty acid esters; acid transesterification and GCMS	MP-02215-NL AOCS Cd 29a-13	RO

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27	Edible oils and fats and oleochemicals	Determination of the level of 2-MCPD, 3-MCPD en glycidyl fatty acid esters; alkaline transesterification and GC-MSMS	MP_02152_NL ISO/DIS 18363-4 AOCS Cd 29d-19	RO
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	RO
29	Animal and vegetable oils, fats and fatty acid	Determination of the level of aliphatic hydrocarbons; GC-FID	MP-02216-NL ISO 17780	RO
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	RO
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, Sb, Se, Sn, Ti, Zn	MP-01445-NL in house method	RO
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	RO
33	Food, feed and feedingstuffs	Determination of the level of mercury (Hg) with FIMS and cold vapor technique; CVAFS	MP-01452-NL in house method	RO
34	Oilseeds	Determination of the level of moisture and volatile matter; gravimetry	MP-01313-NL ISO 665	RO and OH
35	Oilseeds, (ground)nuts and scrap	Determination of peroxide value, cold solvent method; titrimetry	MP-01292-NL in house method	RO and OH
36		Determination of acid value and acidity, cold solvent method; titrimetry	MP-01294-NL in house method	RO and OH
37		Determination of acid value and acidity; titrimetry	MP-01295-NL ISO 660 method 9.1	RO

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38	Animal and vegetable fats, oils and fatty acids	Determination of peroxide value; titrimetry	MP-01296-NL ISO 3960	RO
39		Determination of iodine value; titrimetry	MP-01297-NL ISO 3961	RO
40		Determination of mass per unit volume ("litre weight") in air	MP-01310-NL ISO 6883	RO
41	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	RO
42	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)	RO
43	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	RO
44	Biodiesel and oleochemicals	Determination of the density – Oscillating U-tube method	MP-01349-NL in house method (analysis ISO 12185)	RO
45	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	RO
46		Determination of the level of insoluble impurities; gravimetry	MP-01312-NL ISO 663	RO
47	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	RO
48		Determination of the level of moisture; gravimetry	MP-01377-NL EU 152/2009 Appendix II-A GAFTA Method 2.1 ISO 6496	RO

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49		Determination of the level of crude protein; titrimetry	MP-01389-NL EU 152/2009 Appendix III-C GAFTA Method 4.1 ISO 5983-2	RO
50	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	RO
51		Determination of the level of crude ash; gravimetry	MP-01370-NL ISO 5984 EU 152/2009 Appendix III-M GAFTA Method 11.1	RO
52	Feed and feedingstuffs	Determination of fluoride content after hydrochloric acid treatment; ion-sensitive electrode method (ISE)	MP-01393-NL EN 16279	RO

Microbiology

53	Food, feed and feedingstuffs	Determination of Salmonella - VIDAS SLM	MP-01269-NL ISO-6579 AFNOR BIO 12/16-09/05	RO
54		Determination of Salmonella - PCR	MP-01270-NL ISO-6579 AFNOR GEN-25/05-11/08	RO
55		Enumeration of <i>Bacillus cereus</i> , MYP, 30°C, colony-count technique	MP-01271-NL ISO 7932	RO
56		Enumeration of micro-organisms (aerobic plate count) at 30°C, colony-count technique	MP-01481-NL ISO 4833-1	RO
57	Food, feed and feedingstuffs	Determination of β -glucuronidase-positive <i>E. coli</i> at 44°C; colony-count technique, TBX	MP-01273-NL ISO 16649-2	RO
58		Enumeration of coliforms, VRBL, 30°C, colony-count technique	MP-01274-NL ISO 4832	RO
59		Enumeration of <i>Enterobacteriaceae</i> , VRBG, 37°C, colony-count technique	MP-01275-NL ISO 21528-2	RO

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60		Enumeration of yeasts and moulds, DG18, 25°C, 120H, colony-count technique	MP-01276-NL ISO 21527-2	RO
61		Enumeration of yeasts and moulds, YGC, 25°C, 120H, colony-count technique	MP-01278-NL ISO 7954:1987	RO
62		Enumeration of coagulase-positive <i>Staphylococcus aureus</i> , RPF, 37 °C, colony-count technique	MP-01277-NL ISO 6888-2	RO

Flexible scope²

63	Food of plant origin	Determination of the level of pesticides; LC-MS/MS	MP-02231-NL EN 15662	RO
64	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)	RO
65	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	RO
66	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)	RO

² This flexible scope requires the laboratory to maintain a current list of the methods applied under this flexible scope.