

Annex to declaration of accreditation (scope of accreditation)  
Normative document: EN ISO/IEC 17025:2005  
Registration number: **L 234**

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

This annex is valid from: **20-06-2018** to **30-11-2020**

Replaces annex dated: **06-06-2018**

**Location(s) where activities are performed under accreditation**

**Head Office**

Coolhaven 34  
3024 AC  
Rotterdam  
Nederland

<b>Location</b>	<b>Abbreviation/ location code</b>
<u>Main location</u> Coolhaven 34 3024 AC Rotterdam Nederland	RO
Rederijweg 30 4906 CX Oosterhout Nederland	OH
Tankweg 4 3196 KG Vondelingenplaat (Rotterdam) Nederland	PE

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

J.A.W.M. de Haas  
Director of Operations

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

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No.	Material or product	Type of activity	Internal reference number	Location
<b>Sampling</b>				
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	QMP_504_VW_801 in accordance with Commission Directives 401/2006/EG - Appendix 1 d.d. 09/03/2006 and 178/2010/EG - Appendix 1 d.d. 03/03/10 EU amending directive 519/2014- Appendix 1 d.d. 16/05/2014	RO and OH
b.	herbs and spices	Sample preparation of oil seeds for the analysis on aflatoxin with in house reference number QMP_504_VW_404 and QMP_504_VW_405	QMP_504_VW_802 in house method	RO and OH
<b>Organic chemistry</b>				
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	QMP_504_VW_411 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	QMP_504_VW_404 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	QMP_504_VW_405 in house method	RO

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4.	Feed and feedingstuffs, food (excluding instant coffee), animal en vegetable oils, fats and fatty acids, herbs and spice (excluding pepper), grains	Determination of the level of ochratoxin A; clean-up through immunoaffinity chromatography; HPLC-fluorescence	QMP_504_VW_409 in house method	RO
5.	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	QMP_504_VW_401 equivalent with ISO 22959	RO
6.	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 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	QMP_504_VW_401 in house method	RO
7.	Spices (preparations)	Determination of the level of benzo[a]pyrene; HPLC-Fluorescence	QMP_504_VW_402 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	QMP_504_VW_407 equivalent with ISO 15302	RO
9.	Food, feed and feedingstuffs	Determination of the level of Chlormequat and Mepiquat; LCMSMS	QMP_504_VW_415 equivalent to NEN-EN 15055	RO
10.	Food, feed and feedingstuffs	Determination of the level of Diquat and Paraquat; LCMSMS	QMP_504_VW_415 in house method	RO
11.	Food	Determination of the level of vanillin, ethyl-vanillin en coumarin; RP HPLC-DAD	QMP_504_VW_416 in house method	RO

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12.	Vegetable and animal fats and oils	Determination of the level of total and individual sterols; GC-FID	QMP_504_VW_612 equivalent to ISO 12228-1	RO
13.	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.	QMP_504_VW_604 in accordance with ISO 12966-2/12966-4	RO
14.	Vegetable and animal fats, oils and fatty acids	Determination of the level of hydrocarbons C10-C56; GC-FID	QMP_504_VW_601 equivalent to Fediol for hydrocarbons	RO
15.		Determination of the level of hydrocarbons C10-C40; GC - FID	QMP_504_VW_602 equivalent to VVR bundel part II – OSP 15 (RIVM method)	RO
16.		Determination of the level of hydrocarbons, calculated as gas oil; GC-MS	QMP_504_VW_606 in house method	RO

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17.		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 iso-butylketon, toluen, octaan, hexanal, tetrachloroethyleen, ethylbenzeen, m/p-xyleen, butylacrylaat, styreen, o-xyleen, n-decaan	QMP_504_VW_607 in house method	RO
18.	Vegetable and animal fats, oils and fatty acids	Determination of the level of pesticides and polychlorinated biphenyls (PCB); GCMSMS; Acetochlor, Aldrin, Azinophos-ethyl, Azinphos-methyl, Bifenthrin, Bromophos-ethyl, Bromophos-methyl, Bromopropylate, Chlorpropham, Chlorpyrifos-ethyl, Chlorpyrifos-methyl, Chlordane-cis, Chlordane-trans, Coumaphos, Cyfluthrin, Cypermethrin, Deltamethrin, Demeton-O, Diazinon, Dichlobenil, Diclofopmethyl, Dieldrin, Endosulfan-alpha, Endosulfan-beta, Endosulfansulfate, Endrin, Esfenvalerate, Ethion, Fenchlorphos, Fenitrothion, Fenthion, Fenvaleraat, Fonofos, HCB, HCH-alpha, HCH-delta, HCH-beta, Heptachlor, Heptachlorepoxyde-cis, Heptachlorepoxyde-trans, Heptenofos, Iprobenfos, Isodrin, Lindane, Malathion, Methidathion, Methoxychlor, Mevinphos, Mirex, Monocrotophos, Nitrofen, DDD-op, DDE-op, DDT-op, Parathion-ethyl, Parathion-methyl, Parlar 26, Parlar 50, Parlar 62, PCB-101, PCB-118, PCB-138, PCB-153, PCB-180, PCB-28, PCB-52, Permethrin, Phoraat, Phosmet, Pirimiphos-ethyl, Pirimiphos-methyl, DDD-pp, DDE-pp, DDT-pp, Procymidon, Propoxur, Quintozeen, Resmethrin, Sulfotep, Tecnazeen, Telodrin, Terbufos, Tetrachlorvinphos, Tetramethrin, Triazophos, Vinchlozolin.	QMP_504_VW_608 in house method	RO

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19.	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> 2,3,7,8-Tetra CD <i>dioxin-like PCB's:</i> 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> 2,3,7,8-Tetra CDF                      PCB 167 1,2,3,7,8-Penta CDF                      PCB 169 2,3,4,7,8-Penta CDF                      PCB 189 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	QMP_504_VW_609 equivalent to NEN-EN 16215 Food analyses in accordance with EG 644/2017	RO

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No.	Material or product	Type of activity	Internal reference number	Location
20.	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> 2,3,7,8-Tetra CD <i>dioxin-like PCB's:</i> 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> 2,3,7,8-Tetra CDF                      PCB 167 1,2,3,7,8-Penta CDF                      PCB 169 2,3,4,7,8-Penta CDF                      PCB 189 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	QMP_504_VW_609 equivalent to NEN-EN 16215 Feed: analyses in accordance with EG 771/2017	RO
21.	Vegetable oils and foodstuff on basis of vegetable oils	Determination of the level of MOSH/POSH and MOAH; LC-GC-FID	QMP_504_VW_621 equivalent to NEN-EN 16995:2017	RO
22.	Packaging materials, food and feed and feedingstuffs (low fat content)	Determination of the level of MOSH/POSH and MOAH; LC-GC-FID	QMP_504_VW_621 extraction equivalent to BfR method analysis equivalent to NEN-EN 16995:2017	RO
23.	Edible oils and fats and oleochemicals	Determination of the level of 2-MCPD, 3-MCPD en glycidyl fatty acid esters; acid transesterification and GCMS	QMP_504_VW_622 equivalent to AOCS Cd 29a-13	RO
24.	Animal and vegetable oils, fats and fatty acid	Determination of the level of aliphatic hydrocarbons; GC-FID	QMP_504_VW_623 equivalent to ISO 17780	RO

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<b>Inorganic chemistry</b>				
25.	Vegetable fats, oils and fatty acids	Determination of the level of phosphorus; ICP-OES	QMP_504_VW_200 in accordance with AOCS Recommended Practise Ca 20-99 in accordance with ISO 10540-3	RO
26.	Feed and feedingstuffs	Determination of the level of elements with ICP-MS Al, As, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, In, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Se, Sn, Sr, Te, Ti, Tl, V, W, Zn, Zr	QMP_504_VW_201 in house method	RO
27.	Animal and vegetable oils, fats and fatty acids	Determination of the level of elements with ICP-MS Li, Be, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, Ga, As, Se, Sr, Cd, In, Sn, Sb, Te, Ba, Tl, Pb, Bi	QMP_504_VW_201 in house method	RO
28.	Food, feed and feedingstuffs	Determination of the level of mercury (Hg) with FIMS and cold vapor technique; CVAFS	QMP_504_VW_218 in house method	RO
29.	Oilseeds	Determination of the level of moisture and volatile matter; gravimetry	QMP_504_VW_050 in accordance with ISO 665	RO and OH
30.	Oilseeds, (ground)nuts and scrap	Determination of peroxide value, cold solvent method; titrimetry	QMP_504_VW_001 in house method	RO and OH
31.		Determination of acid value and acidity, cold solvent method; titrimetry	QMP_504_VW_002 in house method	RO and OH
32.	Animal and vegetable fats, oils and fatty acids	Determination of acid value and acidity; titrimetry	QMP_504_VW_003 in accordance with ISO 660 method 9.1	RO and PE
33.		Determination of peroxide value; titrimetry	QMP_504_VW_004 in accordance with ISO 3960	RO and PE
34.		Determination of iodine value; titrimetry	QMP_504_VW_005 in accordance with ISO 3961	RO and PE
35.		Determination of mass per unit volume ("litre weight") in air	QMP_504_VW_006 in accordance with ISO 6883	PE



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36.		Determination of the level of moisture and volatile matter; gravimetry	QMP_504_VW_007 equivalent to ISO 662 equivalent to AOCS Ca 2b-38 equivalent to EG 152/2009 Appendix III-B	RO and PE
37.		Determination of the level of insoluble impurities; gravimetry	QMP_504_VW_008 equivalent to ISO 663	RO and PE
38.	Feed and feedingstuffs	Determination of the level of crude fibre; gravimetry	QMP_504_VW_100 Feed in accordance with EG 152/2009 Appendix III-I, feedingstuffs in house method (analysis in accordance with EG 152/2009 Appendix III-I)	RO
39.	Feed and feedingstuffs	Determination of the level of moisture; gravimetry	QMP_504_VW_103 in accordance with EG 152/2009 Appendix II-A in accordance with GAFTA Method 2.1	RO
40.		Determination of the level of crude protein; titrimetry	QMP_504_VW_105 in accordance with EG 152/2009 Appendix III-C GAFTA methode 4.1	RO
41.		Determination of the level of crude fat and total crude fat; gravimetry	QMP_504_VW_106 equivalent to EG 152/2009 Appendix III-H, methods A en B equivalent to GAFTA Form 130 Method 3:0	RO

#### Microbiology

42.	Food, feed and feedingstuffs	Determination of Salmonella - VIDAS SLM	QMP_504_VW_901 equivalent to ISO-6579 AFNOR BIO 12/16-09/05	RO
43.		Determination of Salmonella - PCR	QMP_504_VW_902 equivalent to ISO-6579 AFNOR GEN-25/05-11/08	RO
44.		Enumeration of <i>Bacillus cereus</i> , MYP, 30°C, colony-count technique	QMP_504_VW_903 equivalent to ISO 7932	RO
45.		Enumeration of micro-organisms (aerobic plate count) at 30°C, colony-count technique	QMP_504_VW_904 equivalent to ISO 4833-1	RO

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46.		Determination of $\beta$ -glucuronidasepositive E. coli at 44°C; colony-count technique, TBX	QMP_504_VW_905 equivalent to ISO 16649-2	RO
47.		Enumeration of coliforms, VRBL, 30°C, colony-count technique	QMP_504_VW_906 equivalent to ISO 4832	RO
48.		Enumeration of <i>Enterobacteriaceae</i> , VRBG, 37°C, colony-count technique	QMP_504_VW_907 equivalent to ISO 21528-2	RO
49.		Enumeration of yeasts and moulds, DG18, 25°C, 120H, colony-count technique	QMP_504_VW_908 equivalent to ISO 21527-2	RO
50.		Enumeration of yeasts and moulds, YGC, 25°C, 120H, colony-count technique	QMP_504_VW_910 equivalent to ISO 7954:1987	RO
51.	Food, feed and feedingstuffs	Enumeration of coagulase-positive <i>Staphylococcus aureus</i> , RPF, 37 °C, colony-count technique	QMP_504_VW_909 equivalent to ISO 6888-2	RO
<b>Flex scope*</b>				
52.	Food of plant origin	Determination of the level of pesticides and additives; LC-MS/MS	QMP_504_VW_413 equivalent to NEN-EN 15662	RO
53.	Feed and feedingstuffs, Food of animal origin	Determination of the level of pesticides and additives; LC-MS/MS	QMP_504_VW_413 in house method (sample preparation in house method, analysis equivalent to NEN-EN 15662)	RO

\*On request of customers, the laboratory can vary or change accredited analytical methods within the scope of these determinations.