

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: **03-09-2019** to **30-11-2020**

Replaces annex dated: **10-07-2019**

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
Tankweg 4 3196 KG Vondelingenplaat (Rotterdam) The Netherlands	PE

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	QMP_504_VW_801 in accordance with Commission Directives 401/2006/EG - Appendix 1 and 178/2010/EG - Appendix 1 EU amending directive 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 QMP_504_VW_411, QMP_504_VW_405 and QMP_504_VW_411	QMP_504_VW_801 in accordance with Commission Directives 401/2006/EG – Appendix 1 and 178/2010/EG – Appendix 1 EU amending directive 519/2014 – Appendix 1	RO and OH
-		Sample preparation of oil seeds for the analysis on aflatoxin with in house reference number QMP_504_VW_404, QMP_504_VW_405 and QMP_504_VW_411	QMP_504_VW_802 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 Aflatoxin 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

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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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
4	Feed and feedingstuffs, food (excluding instant coffee), animal and 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		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

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10		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
12	Feed and feedingstuffs	Determination of hydrocyanic acid; HPLC-Fluorescence	QMP_504_VW_417 equivalent to EN 16160	RO
13	Food	Determination of hydrocyanic acid; HPLC-Fluorescence	QMP_504_VW_417 in house method	RO
14	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
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.	QMP_504_VW_604 in accordance with ISO 12966-2/12966-4	RO
16		Determination of the level of hydrocarbons C10-C56; GC-FID	QMP_504_VW_601 in house method	RO
17		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

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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), 1.1.1.-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	QMP_504_VW_607 in house method	RO																																												
19	Animal and vegetable oils, fats, fatty acids and oleochemicals	Determination of the level of dioxins (PCDD's), dibenzofuranen (PCDF's), dioxin-like PCB's en non-dioxin-like PCB's; GC-HRMS/MSMS <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"><i>Dioxinen:</i></td> <td style="width: 50%;"><i>dioxin-like</i></td> </tr> <tr> <td><i>PCB's:</i></td> <td></td> </tr> <tr> <td>2,3,7,8-Tetra CD</td> <td>PCB 77</td> </tr> <tr> <td>1,2,3,7,8-Penta CDD</td> <td>PCB 81</td> </tr> <tr> <td>1,2,3,4,7,8-Hexa CDD</td> <td>PCB 105</td> </tr> <tr> <td>1,2,3,6,7,8-Hexa CDD</td> <td>PCB 114</td> </tr> <tr> <td>1,2,3,7,8,9-Hexa CDD</td> <td>PCB 118</td> </tr> <tr> <td>1,2,3,4,6,7,8-Hepta CDD</td> <td>PCB 123</td> </tr> <tr> <td>Octa CDD</td> <td>PCB 126</td> </tr> <tr> <td></td> <td>PCB 156</td> </tr> <tr> <td></td> <td>PCB 157</td> </tr> <tr> <td><i>Dibenzofuranen:</i></td> <td>PCB 167</td> </tr> <tr> <td>2,3,7,8-Tetra CDF</td> <td>PCB 169</td> </tr> <tr> <td>1,2,3,7,8-Penta CDF</td> <td>PCB 189</td> </tr> <tr> <td>2,3,4,7,8-Penta CDF</td> <td></td> </tr> <tr> <td>1,2,3,4,7,8-Hexa CDF</td> <td><i>non-dioxin-like</i></td> </tr> <tr> <td>1,2,3,6,7,8-Hexa CDF</td> <td>PCB 28</td> </tr> <tr> <td>1,2,3,7,8,9-Hexa CDF</td> <td>PCB 52</td> </tr> <tr> <td>2,3,4,6,7,8-Hexa CDF</td> <td>PCB 101</td> </tr> <tr> <td>1,2,3,4,6,7,8-Hepta CDF</td> <td>PCB 138</td> </tr> <tr> <td>1,2,3,4,7,8,9-Hepta CDF</td> <td>PCB 153</td> </tr> <tr> <td>Octa CDF</td> <td>PCB 180</td> </tr> </table>	<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>	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 2017/644	RO
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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> <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	QMP_504_VW_609 equivalent to NEN-EN 16215 Feed: analyses in accordance with EG 2017/771	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 EN 16995	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 EN 16995	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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Inorganic chemistry				
25	Vegetable fats, oils and fatty acids	Determination of the level of phosphorus; ICP-OES	QMP_504_VW_200 equivalent to ISO 10540-3 equivalent to AOCS CA 20-99	RO
26	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	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, Cr, Mn, Fe, Co, Ni, Cu, Zn, As, Se, Cd, Sn, Sb, Pb	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
36	Vegetable and animal oils and fats	Determination of conventional mass per volume (litre weight in air) — Oscillating U-tube method	QMP_504_VW_024 in accordance with ISO 18301	RO

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37	Fatty acids, glycerin and oleochemicals	Determination of conventional mass per volume (litre weight in air) — Oscillating U-tube method	QMP_504_VW_024 in house method (analysis according to ISO 18301)	RO
38	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	QMP_504_VW_024 equivalent to Eur. Pharm. Method 2.2.5 equivalent to USP method 841 (method II) equivalent to JP method 2.56-4	RO
39	Biodiesel and oleochemicals	Determinatino of the density – Oscillating U-tube method	QMP_504_VW_024 in house method (analysis according to ISO 12185)	RO
40	Animal and vegetable fats, oils and fatty acids	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
41		Determination of the level of insoluble impurities; gravimetry	QMP_504_VW_008 equivalent to ISO 663	RO and PE
42	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
43		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
44		Determination of the level of crude protein; titrimetry	QMP_504_VW_105 in accordance with EG 152/2009 Appendix III-C equivalent to GAFTA methode 4.1	RO
45		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

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Microbiology				
46	Food, feed and feedingstuffs	Determination of Salmonella - VIDAS SLM	QMP_504_VW_901 equivalent to ISO-6579 AFNOR BIO 12/16-09/05	RO
47		Determination of Salmonella - PCR	QMP_504_VW_902 equivalent to ISO-6579 AFNOR GEN-25/05-11/08	RO
48		Enumeration of <i>Bacillus cereus</i> , MYP, 30°C, colony-count technique	QMP_504_VW_903 in accordance with ISO 7932	RO
49		Enumeration of micro-organisms (aerobic plate count) at 30°C, colony-count technique	QMP_504_VW_904 in accordance with ISO 4833-1	RO
50	Food, feed and feedingstuffs	Determination of β -glucuronidasepositive <i>E. coli</i> at 44°C; colony-count technique, TBX	QMP_504_VW_905 in accordance with ISO 16649-2	RO
51		Enumeration of coliforms, VRBL, 30°C, colony-count technique	QMP_504_VW_906 in accordance with ISO 4832	RO
52		Enumeration of <i>Enterobacteriaceae</i> , VRBG, 37°C, colony-count technique	QMP_504_VW_907 in accordance with ISO 21528-2	RO
53		Enumeration of yeasts and moulds, DG18, 25°C, 120H, colony-count technique	QMP_504_VW_908 in accordance with ISO 21527-2	RO
54		Enumeration of yeasts and moulds, YGC, 25°C, 120H, colony-count technique	QMP_504_VW_910 in accordance with ISO 7954:1987	RO
55		Enumeration of coagulase-positive <i>Staphylococcus aureus</i> , RPF, 37 °C, colony-count technique	QMP_504_VW_909 in accordance with ISO 6888-2	RO
Flexible scope²				
56	Food of plant origin	Determination of the level of pesticides; LC-MS/MS	QMP_504_VW_413 equivalent to NEN-EN 15662	RO

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

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57	Feed and feedingstuffs, Food of animal origin	Determination of the level of pesticides; LC-MS/MS	QMP_504_VW_413 in house method (sample preparation in house method, analysis equivalent to NEN-EN 15662)	RO
58	Food of plant origin, low fat content (<5%)	Determination of the level of pesticides and polychlorinated biphenyls (PCB); GC-MS/MS	QMP_504_VW_608 pesticides equivalent to EN 15662 PCB's in house method	RO
59	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	QMP_504_VW_608 in house method (sample preparation pesticides in house method, analysis determination equivalent to EN 15662)	RO