

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: **21-12-2020** to **01-01-2025**

Replaces annex dated: **19-11-2020**

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

**Head Office**

Coolhaven 34  
3024 AC  
Rotterdam  
The Netherlands

<b>Location</b>	<b>Abbreviation/ location code</b>
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 <sup>1</sup>	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	MP-02103-NL EU 401/2006 - Appendix 1 EU 178/2010 - Appendix 1 EU 519/2014 - Appendix 1	RO and OH
<b>Sample pretreatment</b>				
-	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
<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	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

<sup>1</sup> 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	Determination of the level of vanillin, ethyl-vanillin en coumarin; RP HPLC-DAD	MP-02111-NL in house method	RO
12	Feed and feedingstuffs	Determination of hydrocyanic acid; HPLC-Fluorescence	MP-02110-NL EN 16160	RO

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13	Food	Determination of hydrocyanic acid; HPLC-Fluorescence	MP-02110-NL in house method	RO
14	Vegetable and animal fats and oils	Determination of the level of total and individual sterols; GC-FID	MP-02208-NL 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.	MP-02203-NL ISO 12966-2/12966-4	RO
16		Determination of the level of hydrocarbons C10-C56; GC-FID	MP-02201-NL in house method	RO
17		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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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	MP-02205-NL in house method	RO
19	Food, feed and feedingstuffs	Determination of the level of dithiocarbamates (as CS <sub>2</sub> ); Headspace GC-MS	MP-02117-NL In house method	RO

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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> <span style="float: right;"><i>dioxin-like</i></span> <i>PCB's:</i> 2,3,7,8-Tetra CD <span style="float: right;">PCB 77</span> 1,2,3,7,8-Penta CDD <span style="float: right;">PCB 81</span> 1,2,3,4,7,8-Hexa CDD <span style="float: right;">PCB 105</span> 1,2,3,6,7,8-Hexa CDD <span style="float: right;">PCB 114</span> 1,2,3,7,8,9-Hexa CDD <span style="float: right;">PCB 118</span> 1,2,3,4,6,7,8-Hepta CDD <span style="float: right;">PCB 123</span> Octa CDD <span style="float: right;">PCB 126</span> <span style="float: right;">PCB 156</span> <span style="float: right;">PCB 157</span>  <i>Dibenzofuranen:</i> <span style="float: right;">PCB 167</span> 2,3,7,8-Tetra CDF <span style="float: right;">PCB 169</span> 1,2,3,7,8-Penta CDF <span style="float: right;">PCB 189</span> 2,3,4,7,8-Penta CDF <span style="float: right;"></span> 1,2,3,4,7,8-Hexa CDF <span style="float: right;"><i>non-dioxin-like</i></span>  <span style="float: right;"><i>PCB's:</i></span> 1,2,3,6,7,8-Hexa CDF <span style="float: right;">PCB 28</span> 1,2,3,7,8,9-Hexa CDF <span style="float: right;">PCB 52</span> 2,3,4,6,7,8-Hexa CDF <span style="float: right;">PCB 101</span> 1,2,3,4,6,7,8-Hepta CDF <span style="float: right;">PCB 138</span> 1,2,3,4,7,8,9-Hepta CDF <span style="float: right;">PCB 153</span> Octa CDF <span style="float: right;">PCB 180</span>	MP-02200-NL EN 16215 Food analyses EU 2017/644	RO

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21	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> <span style="float: right;"><i>dioxin-like</i></span> <i>PCB's:</i> 2,3,7,8-Tetra CD <span style="float: right;">PCB 77</span> 1,2,3,7,8-Penta CDD <span style="float: right;">PCB 81</span> 1,2,3,4,7,8-Hexa CDD <span style="float: right;">PCB 105</span> 1,2,3,6,7,8-Hexa CDD <span style="float: right;">PCB 114</span> 1,2,3,7,8,9-Hexa CDD <span style="float: right;">PCB 118</span> 1,2,3,4,6,7,8-Hepta CDD <span style="float: right;">PCB 123</span> Octa CDD <span style="float: right;">PCB 126</span> <span style="float: right;">PCB 156</span> <span style="float: right;">PCB 157</span>  <i>Dibenzofuranen:</i> <span style="float: right;">PCB 167</span> 2,3,7,8-Tetra CDF <span style="float: right;">PCB 169</span> 1,2,3,7,8-Penta CDF <span style="float: right;">PCB 189</span> 2,3,4,7,8-Penta CDF 1,2,3,4,7,8-Hexa CDF <span style="float: right;"><i>non-dioxin-like</i></span> <span style="float: right;"><i>PCB's:</i></span> 1,2,3,6,7,8-Hexa CDF <span style="float: right;">PCB 28</span> 1,2,3,7,8,9-Hexa CDF <span style="float: right;">PCB 52</span> 2,3,4,6,7,8-Hexa CDF <span style="float: right;">PCB 101</span> 1,2,3,4,6,7,8-Hepta CDF <span style="float: right;">PCB 138</span> 1,2,3,4,7,8,9-Hepta CDF <span style="float: right;">PCB 153</span> Octa CDF <span style="float: right;">PCB 180</span>	MP-02200-NL EN 16215 Feed: analyses EU 2017/771	RO
22	Vegetable oils and foodstuff on basis of vegetable oils	Determination of the level of MOSH/POSH and MOAH; LC-GC-FID	MP-02233-NL EN 16995	RO
23	Packaging materials, food and feed and feedingstuffs (low fat content)	Determination of the level of MOSH/POSH and MOAH; LC-GC-FID	MP-02233-NL extraction BfR method analysis EN 16995	RO
24	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
25	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

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26	Animal and vegetable oils, fats and fatty acid	Determination of the level of aliphatic hydrocarbons; GC-FID	MP-02216-NL ISO 17780	RO
<b>Inorganic chemistry</b>				
27	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
28	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
29	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
30	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
31	Oilseeds	Determination of the level of moisture and volatile matter; gravimetry	MP-01313-NL ISO 665	RO and OH
32	Oilseeds, (ground)nuts and scrap	Determination of peroxide value, cold solvent method; titrimetry	MP-01292-NL in house method	RO and OH
33		Determination of acid value and acidity, cold solvent method; titrimetry	MP-01294-NL in house method	RO and OH
34	Animal and vegetable fats, oils and fatty acids	Determination of acid value and acidity; titrimetry	MP-01295-NL ISO 660 method 9.1	RO
35		Determination of peroxide value; titrimetry	MP-01296-NL ISO 3960	RO
36		Determination of iodine value; titrimetry	MP-01297-NL ISO 3961	RO
37		Determination of mass per unit volume ("litre weight") in air	MP-01310-NL ISO 6883	RO



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38	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
39	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
40	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
41	Biodiesel and oleochemicals	Determination of the density – Oscillating U-tube method	MP-01349-NL in house method (analysis ISO 12185)	RO
42	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
43		Determination of the level of insoluble impurities; gravimetry	MP-01312-NL ISO 663	RO
44	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)	RO
45		Determination of the level of moisture; gravimetry	MP-01377-NL EU 152/2009 Appendix II-A GAFTA Method 2.1	RO
46		Determination of the level of crude protein; titrimetry	MP-01389-NL EU 152/2009 Appendix III-C GAFTA Method 4.1	RO
47		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 3:0	RO
48	Feed and feedingstuffs	Determination of fluoride content after hydrochloric acid treatment; ionsensitive electrode method (ISE)	MP-01393-NL EN 16279	RO

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<b>Microbiology</b>				
49	Food, feed and feedingstuffs	Determination of Salmonella - VIDAS SLM	MP-01269-NL ISO-6579 AFNOR BIO 12/16-09/05	RO
50		Determination of Salmonella - PCR	MP-01270-NL ISO-6579 AFNOR GEN-25/05-11/08	RO
51		Enumeration of <i>Bacillus cereus</i> , MYP, 30°C, colony-count technique	MP-01271-NL ISO 7932	RO
52		Enumeration of micro-organisms (aerobic plate count) at 30°C, colony-count technique	MP-01481-NL ISO 4833-1	RO
53	Food, feed and feedingstuffs	Determination of $\beta$ -glucuronidase-positive <i>E. coli</i> at 44°C; colony-count technique, TBX	MP-01273-NL ISO 16649-2	RO
54		Enumeration of coliforms, VRBL, 30°C, colony-count technique	MP-01274-NL ISO 4832	RO
55		Enumeration of <i>Enterobacteriaceae</i> , VRBG, 37°C, colony-count technique	MP-01275-NL ISO 21528-2	RO
56		Enumeration of yeasts and moulds, DG18, 25°C, 120H, colony-count technique	MP-01276-NL ISO 21527-2	RO
57		Enumeration of yeasts and moulds, YGC, 25°C, 120H, colony-count technique	MP-01278-NL ISO 7954:1987	RO
58		Enumeration of coagulase-positive <i>Staphylococcus aureus</i> , RPF, 37 °C, colony-count technique	MP-01277-NL ISO 6888-2	RO
<b>Flexible scope<sup>2</sup></b>				
59	Food of plant origin	Determination of the level of pesticides; LC-MS/MS	MP-02231-NL EN 15662	RO

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

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60	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
61	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
62	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