

Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **L 122**

of **Eurofins Agro Testing Wageningen B.V.**

This annex is valid from: **03-07-2024** to **01-03-2026**

Replaces annex dated: **20-12-2023**

Location(s) where activities are performed under accreditation

Head Office

Binnenhaven 5
6709 PD
Wageningen
The Netherlands

Location	Abbreviation/ location code
Binnenhaven 5 6709 PD Wageningen The Netherlands	W

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

J.A.W.M. de Haas

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No.	Material or product	Type of activity ¹	Internal reference number	Location
Sampling				
a	Soil (ground)	Sampling for the determination of anorganic tests with internal reference numbers PAL1, CCLW and PWT1; stratified random sampling or in house method (W-method)	MIN 1000 MNI in house method MIN 1020 MNI in house method MIN 2000 MNI in house method MIN 4000 MNI in house method MIN 1030 MNI Uitvoeringsregeling Meststoffenwet (URM) Annex L section 1 and 2 (belonging to the articles 27b and 103a)	W
b	Soil	Taking samples for the purpose of fertilization research <ul style="list-style-type: none"> – agricultural field and horticulture, public green (W-method) – nitrogen stock – grassland (including grasland derogation and N cracks) – sports fields and golf courses – phosphate-poor soils, phosphate repair in house method (W-method) or stratified random sampling (Samples are followed up by one or more analyzes from the Soil fertilization and quality research group)	MIN 1000 MNI in house method MIN 1020 MNI in house method MIN 2000 MNI in house method MIN 4000 MNI in house method	W
c	Greenhouse soil, potting soil, substrate material, non-cultivated soil	Taking samples for soil fertilization and quality research including RHP quality mark (Samples are followed up by one or more analyzes from the Greenhouse horticulture research group)	MIN 3020 MNI ISSN 1387-2427 MIN 3030 MNI ISSN 1387-2427 MIN 3540 MNI RHP directive mod 100	W

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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d	Nutrient solutions, process water	Taking samples for the purpose of fertilization research for use in greenhouse horticulture and quality research including, meet discharges decision WVO greenhouse horticulture (Samples are followed up by one or more analyzes from the Greenhouse horticulture research group)	VLB 3050 MNI ISSN 1387-2427 VLB 3060 MNI ISSN 1387-2427	W
e	Silage forage	Taking samples for nutritional value research (Samples are followed up by one or more analyzes from the Crop, nutritional value and quality research group)	PLA 2310 MNI in house method Annex 2 Handreiking BEX	W
f	Compost, soil	Taking samples in the context of manure law and fertility value (Samples are followed up by one or more analyzes from the Soil fertilization and quality research group)	MIN 1500 Implementing regulation Manure law; article 21 MIN 1520 Implementing decree use fertilisers Annex A1 Sampling Soil	W
g	Primary foodstuffs of vegetable origin	Taking samples for the purpose of determining pesticide residues (the corresponding test is carried out structurally by another accredited laboratory)	PLA 1600 MNI EC directive 2002/63	W
h	Plant parts not intended for consumption	Taking samples for the purpose of detect determining pesticide residues (the corresponding test is carried out structurally by another accredited laboratory)	PLA 1600 MNI in house method	W
i	Animal drinking water, process water and source water	Taking samples for chemical and/or microbiological research in the framework of certification schemes as KKM, GlobalGap, Flandria Gap and functioning decontamination systems (Samples are followed up by one or more analyzes from the Greenhouse horticulture research group or microbiological analysis)	VLB 2500 MNI in house method VLB 3670 MN in house method VLB 3470 MNI in house method	W

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Accreditatieprogramma bemonstering vaste dierlijke meststoffen AP06				
Sampling and transport (and possibly storage) of the sample to the manure laboratory ⁽¹⁾				
j	Thick fraction: solid manure, consisting of solid fraction after manure separation with manure code 13 and/or 43 and mixtures containing solid fraction after manure separation with manure code 13 or 43	Freight sampling during loading ⁽¹⁾	MIN 2070 Uitvoeringsregeling Meststoffenwet: Appendix Ea, belonging to the articles 78d, 78i, 78q and 78u (AP06)	W
k		Freight sampling during unloading ⁽¹⁾		W
l		Freight sampling in the container shortly after loading or shortly before unloading (1)		W
m		Sampling in <i>Big bags</i> ⁽¹⁾		W
Soil fertilization and quality research				
1	Soil, compost, 'black' ground	Determination of the content of: dry matter organic matter crude ash moisture; gravimetry	VAS1 in house method	W
2		Determination of the content of: dry matter; gravimetry moisture, gravimetry	DST7 in house method	W
3		Extraction and determination of the content of elements: ICP-MS arsenic cadmium chromium copper mercury lead nickel zinc	KNW6 in house method (extraction CSS 99025B measurement, CSS 99027)	W
4		Determination of pH-KCl; potentiometry	PHK1 NEN-ISO 10390	W
5		Determination of pH-CaCl ₂ ; potentiometry	PHC3 in house method (measurement NEN-ISO 10390)	W

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6	Soil, compost, 'black' ground	Determination of the content of total carbon; IR-spectrophotometry	CNE3 in house method	W
7	Soil (agricultural land)	Determination of the content of lutum; density measurement	LUT2 NEN 5753	W
8		Determination of the granular composition (Group 2-16-50-63-125-180-250-355-500-1000 µm or <2, 2-50, > 50 µm); gravimetry	GKL1 NEN 5753	W
9		Determination of the content of C organic; IR spectrometry	COR6 in house method	W
10		Determination of organic matter content (loss on ignition); gravimetry	GLV1 NEN 5754	W
11		Determination of the content of phosphate extractable with ammonium lactate-acetic acid (P-AL); DA spectrophotometry	PAL1 Uitvoeringsregeling Meststoffenwet (URM) Annex L sections 2 and 3 (part of articles 27b and 103a) pre-treatment NEN-EN 16179, extract NEN 5793, analysis extract NEN-ISO 15923-1	W
12		Determination of the content of phosphate extractable with waterm (Pw); DA spectrophotometry	PWT1 in house method (measurement NEN-ISO 15923-1)	W
13		Determination of the content of phosphate extractable with 0,01 M calcium chloride (P- CaCl ₂); DA spectrophotometry	CCL3 in house method Uitvoeringsregeling Meststoffenwet (URM) Annex L sections 2 and 3 (part of articles 27b and 103a) (pre-treatment NEN-EN 16179, analysis extract NEN 5704, measurement extract NEN-ISO 15923-1)	W
14	Determination of the content of the elements in 0,01 M calcium chloride soluble; ICP-MS cobalt copper	CCL3 in house method (pre-treatment and extraction NEN 5704, measurement extraction NEN-EN-ISO 17294-2)	W	

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15	Soil (agricultural land)	Determination of the content of elements; DA spectrophotometry ammonium nitrogen nitrate nitrogen	CCL4 in house method	W
16		Determination of the content of elements in oxalic acid soluble; ICP-AES phosphorus aluminum iron	OXZ8 NEN 5776	W
17		Determination of the content of total nitrogen (Elementary); thermal resistance	CNE3 in house method	W
18		Determination of the content of nitrate nitrogen; DA spectrophotometry	KCL1 BAM part 1/04 (measurement NEN-ISO 15923-1)	W
19		Determination of the content of ammonium nitrogen; DA spectrophotometry	KCL1 BAM part 1/07 (measurement NEN-ISO 15923-1)	W
20	Soil (ground)	Determination of the content of chemical and physical parameters; near infrared spectrometry organic carbon residual moisture organic matter/ loss on ignition total nitrogen total sulphur	NIRS in house method	W
21		Determination of total sulphur content; ICP-AES	STT6 in house method (measurement NEN 6966)	W
22	Compost	Determination of the nitrogen content; Kjeldahl, titrimetry	REW2 in house method	W
Forage and Crop, nutritional value and quality research				
23	Feed, animal feed raw materials, single feed materials and crops	Determination of moisture content and dry matter; gravimetry	DST5 in house method	W

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24	Feed, animal feed raw materials, single feed materials and crops	Determination of crude protein content; Kjeldahl titrimetry	REW3 NEN-ISO 5983-2	W
25		Determination of crude ash content and organic matter; gravimetry	RAS2 NEN ISO 5984	W
26		Determination of crude fiber content; gravimetry	RCS2 NEN-EN-ISO 6865	W
27		Determination of crude fat content; gravimetry	RVT1 NEN-ISO 6492	W
28		Determination of crude fat content after acidic hydrolysis; gravimetry	RVT2 NEN-ISO 6492	W
29		Determination of the content of: starch (hexokinase); DA spectrophotometry	ZML3 NEN-EN-ISO 15914	W
30		Determination of the content of sugars; CF spectrophotometry	SKR3 in house method	W
31		Determination of the digestion coefficient of organic matter according to Tilly & Terry; gravimetry	VCTT in house method	W
32		Determination the content of acid detergent fibre; gravimetrie	ADF1 in house method	W
33		Determination of the content of acid detergent lignin; gravimetry	ADL1 in house method	W
34		Determination of the content of neutral detergent fibre - with amylase; gravimetry	NDF1 in house method	W
35		Determination of the content of elements; ICP-MS cobalt selenium molybdenum	SPZ2 in house method (measurement NEN-EN-ISO 17294-2)	W
36	Determination of the content of: total nitrogen (Dumas); thermal resistance	CNE3 in house method	W	

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37	Feed, animal feed raw materials, single feed materials and crops	Determination of the content of total nitrogen and total carbon (elemental); IR spectrometry	CNE3 in house method	W
38	Agricultural and horticultural crops; fresh and preserved (silage)	Determination of the moisture content and the dry matter content; gravimetry	VAS1, GEWAS.OVB in house method	W
39		Determination of the moisture content and the content of air-dried dry matter; gravimetry	GEWAS.OVB in house method	W
40		Determination of crude ash content and organic matter; gravimetry	VAS1 in house method	W
41		Determination of the content of: ammonia nitrogen, both in the fresh as the air dried material; DA spectrophotometry	AMM2 CFA1 in house method	W
42		Determination of the pH value; potentiometry	PHW3 in house method	W
43	Silage maize and preserved silage maize and maize grains	Determination of the content of nutritive value below parameters; near infrared spectrometry digestible organic matter crude protein crude ash crude fibre crude fat acid detergent fibre acid detergent lignine neutral detergent fibre indigestible cell wall fraction starch, sugar, moisture	NIRS in house method	W

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No.	Material or product	Type of activity ¹	Internal reference number	Location
44	Grass (preserved)	Determination of the content of nutritive value below parameters; near infrared spectrometry digestible organic matter crude protein crude fibre crude fat acid detergent fibre acid detergent lignine neutral detergent fibre indigestible cell wall fraction sugar, moisture nitrate, chloride ammonia	NIRS in house method	W
45	Grass (fresh) and hay	Determination of the content of nutritive value below parameters; near infrared spectrometry digestible organic matter crude protein crude ash crude fibre sugar, moisture	NIRS in house method	W
46	Cut grain (preserved) and whole plant silage	Determination of the content of nutritive value below parameters; near infrared spectrometry digestible organic matter crude protein crude fibre starch, sugar, moisture nitrate, chloride ammonia	NIRS in house method	W

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No.	Material or product	Type of activity ¹	Internal reference number	Location
Accreditation program animal manure; AP05				
47	Slurry and solid manure	Determination of nitrogen content; auto analyser spectrophotometry	MEST-OVB and CFA8 Uitvoeringsregeling Meststoffenwet: Annex H, part of article 80b and 81 (AP05) (pre-treatment NEN 7430 and 7431, digestion NEN 7433, analysis of digests NEN 7434)	W
48	Slurry and solid manure	Determination of phosphorus content; auto analyser spectrophotometry	MEST-OVB and CFA8 Uitvoeringsregeling Meststoffenwet: Annex H, part of article 80b and 81 (AP05) (pre-treatment NEN 7430 and 7431, digestion NEN 7433, analysis of digests NEN 7435)	W
49	Minerals concentrate of slurry	Determination of the phosphorus content; DA spectrophotometry	MEST-OVB and FOSM Uitvoeringsregeling Meststoffenwet: Annex H, part of article 80b and 81 (AP05) (pre-treatment NEN 7430, digestion NEN 7433, analysis of digests NEN 7435)	W
Other manure research				
50	Manure	Determination of the content of: dry matter; organic matter; crude ash; gravimetry	VAS3 of VAS1 in house method	W
51	Sewage sludge	Determination of the content of: dry matter; gravimetry	VAS3 of VAS1 NEN-EN 12880	W
52		Determination of the content of: organic matter; crude ash; gravimetry	VAS3 of VAS1 NEN-EN 12879	W
53	Manure, sewage sludge	Determination of the content of nitrogen, Kjeldahl; titrimetrie	REW2 in house method	W

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54	Manure	Digestion and determination of the content of elements; ICP-MS arsenic cadmium chromium copper mercury lead nickel zinc	KNW6 in house method (digestion CSS 99025B, CSS 99027)	W
55	Sewage sludge	Digestion and determination of the content of elements; ICP-MS arsenic cadmium chromium copper mercury lead nickel zinc	KNW6 CSS 99027 (digestion CSS 99025B)	W
56	Manure	Determination of the content of total nitrogen (Elementary, Dumas); thermal resistance	CNE3 in house method	W
57		Determination of the content of ammonia; DA spectrophotometry	AMM5 in house method	W
58		Determination of the dry matter content; near infrared spectrometry	NIRS in house method	W
59	Animal manure (liquid)	Determination of the content of ammonium nitrogen; DA spectrophotometry	AMM5B BAM part 3/05 (measurement NEN-ISO 15923-1)	W
60	Animal manure (solid)	Determination of the content of ammonium nitrogen; DA spectrophotometry	AMM5B BAM part 4/05 (measurement NEN-ISO 15923-1)	W
Horticulture research				
61	Greenhouse soil	Determination of the pH; potentiometry	PH-GTB in house method	W

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62	Greenhouse soil	Determination of the electrical conductivity; conductometry	KGEXTR and EC1 in house method	W
63		Determination of the content of water-soluble nutrients; continuous flow spectrophotometry ammonium nitrate chloride bicarbonate	KGEXTR and SFAHFD in house method	W
64		Determination of the content of water soluble elements (free and bound); ICP-AES manganese boor potassium sodium calcium magnesium phosphorus sulphur	KGEXTR and ICP-HSP in house method	W
65	Peat substrates, potting soil	Determination of the pH; potentiometry	PH-GTB in house method	W
66		Determination of the electrical conductivity; conductometry	PGEXTR and EC1 in house method	W
67		Determination of the content of water-soluble nutrients; continuous flow spectrophotometry ammonium nitrate chloride bicarbonate	PGEXTR and SFAHFD in house method	W

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68	Peat substrates, potting soil	Determination of the content of water soluble elements (free and bound); ICP-AES iron manganese zinc boor copper potassium sodium calcium magnesium phosphorus sulphur	PGEXTR and ICP-HSP in house method	W
69	Coconut substrates	Determination of the content of in 0.1 M BaCl ₂ soluble elements; ICP-AES calcium potassium magnesium sodium	KOKEXT ICP-HSP in house method	W
70	Nutrient Solutions	Determination of the pH; potentiometry	PH-GTB in house method	W
71	Nutrient Solutions and process water	Determination of the electrical conductivity; conductometry	FILTR and EC1 in house method	W
72		Determination of the dissolved nutrients; continuous flow and spectrophotometry ammonium nitrate chloride bicarbonate	FILTR and SFAHFD in house method	W

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73	Nutrient Solutions and process water	Determination of dissolvable elements (free and bound); ICP-AES iron manganese zinc boor copper molybdenum silicon potassium sodium calcium magnesium phosphorus sulphur	FILTR and ICP-HSP in house method (measurement NEN 6966)	W
74	Animal drinking water, process water and source water	Determination of the content of elements; DA spectrophotometry ammonium nitrate nitrite chloride sulphate	VDW1 in house method	W
75		Determination of the content of elements; ICP-AES sodium iron manganese calcium magnesium including hardness calculation based on dH	VDW1 in house method	W
76	Peat substrates, potting soil and coconut substrates	Determination of the moisture content; gravimetry determining organic matter; gravimetry	FYS1 Method Proefstation voor Tuinbouw onder Glas te Naaldwijk, intern verslag nr. 31, 1990	W
77		Determination of the content of bulk density; gravimetry shrink pores	FYS1 Method Proefstation voor Tuinbouw onder Glas te Naaldwijk, intern verslag nr. 31, 1990	W

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78	Peat substrates, potting soil and coconut substrates	Determination at -3, -10, -32, -50 and -100 cm water pressure height of: volume fraction water, volume fraction air and water number of organic matter; gravimetry	FYS1 Method Proefstation voor Tuinbouw onder Glas te Naaldwijk, intern verslag nr. 31, 1990	W
79		Determination of the water number of organic matter after draining at -10 cm water pressure altitude; gravimetry	FYS1 in house method	W

Microbiological analysis

80	Process water	Determination of the number of <i>Escherichia coli</i> and Coliforms; MPN method	COLI-W-QTR NEN-EN-ISO 9308-2	W
81	Animal drinking water and source water	Determination of the number of <i>Escheria Coli</i> ; membrane filtration	COLI-CCA NEN-EN-ISO 9308-1	W
82	Animal drinking water, process water and source water	Determination of the aerobic culturable micro-organisms at 22°C; colony count technique	KOLONIE 22-W NEN EN- ISO 6222	W
83		Determination of the number of Enterococci; membrane filtration	ENTERO-W NEN-EN- ISO 7899-2	W

(1) The sampling takes place for the purpose of investigation by suitably accredited laboratory (AP05).