

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: **25-11-2020** to **01-03-2022**

Replaces annex dated: **18-11-2020**

**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

No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
-----	---------------------	-------------------------------	---------------------------	----------

**Sampling**

a	Agricultural land, soil	Taking samples for the purpose of fertilization research <ul style="list-style-type: none"> <li>– agricultural field and horticulture, public green</li> <li>– nitrogen stock</li> <li>– grassland (including grassland derogation and N cracks)</li> <li>– sports fields and golf courses</li> </ul> phosphate-poor soils, phosphate repair	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 Rule of manure law, Annex C, part of articles 30 to 33 Part 1: Protocol for sampling a parcel of arable land or grassland	W
---	-------------------------	--	--	---

<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.

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

J.A.W.M. de Haas

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

This annex is valid from: **25-11-2020 to 01-03-2022**

Replaces annex dated: **18-11-2020**

No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
b	Greenhouse soil, potting soil, substrate material, non-cultivated soil	Taking samples for fertilization and quality research including RHP quality mark	MIN 3020 MNI ISSN 1387-2427 MIN 3030 MNI ISSN 1387-2427 MIN 3540 MNI RHP directive mod 100	W
c	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	VLB 3050 MNI ISSN 1387-2427 VLB 3060 MNI ISSN 1387-2427	W
d	Silage forage	Taking samples for nutritional value research	PLA 2310 MNI in house method Annex 2 Handreiking BEX	W
e	Compost, soil	Taking samples in the context of manure law and fertility value	MIN 1500 Implementing decree Manure law; article 21 Implementing decree use fertilisers Annex A1 Sampling Soil MIN 1520 Implementing decree Manure law; article 92	W
f	Vegetable and fruit, Agriculture- and horticulture products	Taking samples to detect pesticide residues	PLA 1600 MNI EU scheme 2002/63/EC	W
g	Compost	Taking samples for bacteriological research on Salmonella and Enterobacteriaceae	MIN 1550 MNI BBECC/BVOR	W
h	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	VLB 2500 MNI in house method VLB 3670 MN in house method VLB 3470 MNI in house method	W

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

This annex is valid from: **25-11-2020 to 01-03-2022**

Replaces annex dated: **18-11-2020**

No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
<b>Accreditatieprogramma bemonstering vaste dierlijke meststoffen AP06</b> Sampling and transport (and possibly storage) of the sample to the manure laboratory <sup>(1)</sup>				
i	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 <sup>(1)</sup>	MIN 2070	W
j		Freight sampling during unloading <sup>(1)</sup>	Uitvoeringsregeling Meststoffenwet: Appendix Ea, belonging to the articles 78d, 78i, 78ia, 78q and 78u (AP06)	W
k		Freight sampling in the container shortly after loading or shortly before unloading (1)		W
l		Sampling in <i>Big bags</i> <sup>(1)</sup>		W
<b>Soil fertilization and quality research</b>				
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		Determination of the content of listed elements: arsenic; ICP-MS cadmium; ICP-MS chromium; ICP-MS copper; ICP-MS mercury; ICP-MS lead; ICP-MS nickel; ICP-MS zinc; ICP-MS	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 <sub>2</sub> ; potentiometry	PHC3 in house method (measurement NEN-ISO 10390)	W

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

This annex is valid from: **25-11-2020 to 01-03-2022**

Replaces annex dated: **18-11-2020**

No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
6	Soil, compost, 'black' ground	Determination of the content of total carbon; IR-spectrophotometry	CNE6 in house method	W
7	Soil	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 um or <2, 2-50, > 50 um) gravimetry	GKL1 NEN 5753	W
9		Determination of the content of C organic; IR spectrometry	CNE6 of 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 soluble in ammonium lactate-acetic acid; DA spectrophotometry	PAL1 NEN 5793	W
12		Determination of the content of phosphate soluble in water; DA spectrophotometry	PWT1 in house method (measurement NEN-ISO 15923-1)	W
13		Determination of the content of the following elements; DA spectrophotometry ammonium nitrogen nitrate nitrogen	CCL2 in house method	W
14		Determination of the content of the following elements in oxalic acid soluble; ICP-AES phosphorus aluminum iron	OXZ8 NEN 5776	W
15		Determination of the content of total nitrogen (Elementary); thermal resistance	NTT 4 + 6 in house method	W
16		Determination of the content of nitrate nitrogen; DA spectrophotometry	KCL1 BAM part 1/04	W

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

This annex is valid from: **25-11-2020 to 01-03-2022**

Replaces annex dated: **18-11-2020**

No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
17	Soil	Determination of the content of ammonium nitrogen; DA spectrophotometry	KCL1 BAM part 1/07	W
18		Determination of the content of the following elements in 0,01 M calcium chloride soluble; ICP-AES boron potassium magnesium manganese sodium	CCL3 in house method (PAE®) (measurement NEN 6966)	W
19		Determination of the content of the following elements in 0,01 M calcium chloride soluble; ICP-MS cobalt copper	CCL3 in house method (PAE®) (measurement NEN-EN-ISO 17294-2)	W
20		Determination of the content of soluble ortho-phosphate in 0,01 M calcium chloride; DA spectrophotometry	CCL3 in house method (PAE®) (measurement NEN-ISO 15923-1)	W
21		Determination of the content of the following chemical and physical parameters; near infrared spectrometry organic carbon residual moisture organic matter/ loss on ignition total nitrogen total sulphur	NIRS in house method (TSC®)	W
22		Determination of total sulphur content; CP-AES	STT6 in house method (measurement NEN 6966)	W
23	Compost	Determination of the nitrogen content; Kjeldahl, titrimetric	REW2 in house method	W

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

This annex is valid from: **25-11-2020 to 01-03-2022**

Replaces annex dated: **18-11-2020**

No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
<b>Forage and Crop, nutritional value and quality research</b>				
24	Feed, feedingstuffs single feed materials and crops	Determination of moisture content and dry matter; gravimetry	DST5 in house method	W
25		Determination of crude protein content; Kjeldahl titrimetry	REW3 NEN-ISO 5983-2	W
26		Determination of crude ash content and organic matter; gravimetry	RAS2 NEN ISO 5984	W
27		Determination of crude fiber content; gravimetry	RCS2 NEN-EN-ISO 6865	W
28		Determination of crude fat content; gravimetry	RVT1 NEN-ISO 6492	W
29		Determination of crude fat content after acidic hydrolysis; gravimetry	RVT2 NEN-ISO 6492	W
30		Determination of the content of: starch (hexokinase); DA spectrophotometry	ZML3 NEN-EN-ISO 15914	W
31		Determination of the content of sugars; CF spectrophotometry	SKR3 in house method	W
32		Determination of the digestion coefficient of organic matter according to Tilly & Terry; gravimetry	VCTT in house method	W
33		Determination the content of acid detergent fibre; gravimetrie	ADF1 in house method	W
34		Determination of the content of acid detergent lignin; gravimetry	ADL1 in house method	W
35		Determination of the content of neutral detergent fibre - with amylase; gravimetry	NDF1 in house method	W
36		Grass-silage and cut down corn-silage	Determination of the content of neutral detergent fibre - after incubation with rumen juice; gravimetry	NDF3 in house method

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

This annex is valid from: **25-11-2020 to 01-03-2022**

Replaces annex dated: **18-11-2020**

No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
37	Feed, feedingstuffs single feed materials and crops	Determination of the content of the following elements; ICP-AES boron copper iron manganese zinc calcium phosphorus potassium magnesium sodium sulphur	SPZ2 in house method (measurement NEN 6966)	W
38		Determination of the content of the following elements; ICP-MS cobalt selenium molybdenum	SPZ2 in house method (measurement NEN-EN-ISO 17294-2)	W
39		Determination of the content of: total nitrogen (Dumas); thermal resistance	NTT4 + 6 in house method	W
40		Determination of the content of total nitrogen and total carbon (elemental); IR spectrometry	CNE4 in house method	W
41		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
42	Determination of the moisture content and the content of air-dried dry matter; gravimetry		GEWAS.OVB in house method	W
43	Determination of crude ash content and organic matter; gravimetry		VAS1 in house method	W
44	Determination of the content of: ammonia nitrogen, both in the fresh as the air dried material; DA spectrophotometry		AMM2 CFA1 in house method	W
45	Determination of the pH value; potentiometry		PHW3 in house method	W

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

This annex is valid from: **25-11-2020 to 01-03-2022**

Replaces annex dated: **18-11-2020**

No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
46	Grass, corn and cut down gran (fresh and preserved)	Determination of the content of nutritive value below parameters; near infrared spectrometry digestible organic matter, crude protein crude fibre crude ash crude fat acid detergent fibre acid detergent lignine neutral detergent fibre indigestible cell wall fraction starch, sugar, moisture nitrate, chlorine ammonia	NIRS in house method	W
<b>Manure Research</b>				
47	Manure	Determination of the content of: dry matter; organic matter; crude ash; gravimetry	VAS3 of VAS1 in house method	W
48	Sewage sludge	Determination of the content of: dry matter; gravimetry	VAS3 of VAS1 NEN-EN 12880	W
49		Determination of the content of: organic matter; crude ash; gravimetry	VAS3 of VAS1 NEN-EN 12879	W
50	Manure, sewage sludge	Determination of the content of nitrogen, Kjeldahl; titrimetric	REW2 in house method	W
51	Manure	Determination of the content of listed elements: arsenic; ICP-MS cadmium; ICP-MS chromium; ICP-MS copper; ICP-MS mercury; ICP-MS lead; ICP-MS nickel; ICP-MS zinc; ICP-MS	KNW6 in house method (digestion CSS 99025B, CSS 99027)	W

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

This annex is valid from: **25-11-2020 to 01-03-2022**

Replaces annex dated: **18-11-2020**

No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
52	Sewage sludge	Determination of the content of listed elements: arsenic; ICP-MS cadmium; ICP-MS chromium; ICP-MS copper; ICP-MS mercury; ICP-MS lead; ICP-MS nickel; ICP-MS zinc; ICP-MS	KNW6 CSS 99027 (digestion CSS 99025B )	W
53	Manure	Determination of the content of total nitrogen (Elementary, Dumas); thermal resistance	NTT 4 + 6 in house method	W
54		Determination of the content of ammonia; DA spectrophotometry	AMM5 in house method	W
55		Determination of the dry matter content; near infrared spectrometry	NIRS in house method	W
56	Animal manure (liquid)	Determination of the content of ammonium nitrogen; DA spectrophotometry	AMM5B BAM part 3/05	W
57	Animal manure (solid)	Determination of the content of ammonium nitrogen; DA spectrophotometry	AMM5B BAM part 4/05	W

#### Horticulture research

58	Greenhouse soil	Determination of the pH; potentiometry	PH-GTB in house method	W
59		Determination of the electrical conductivity; conductometry	KGEXTR en EC001 in house method	W
60		Determination of the content of water-soluble nutrients; continuous flow spectrophotometry ammonium nitrate chloride bicarbonate	KGEXTR en SFAHFD in house method (measurement NPR 6650)	W

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

This annex is valid from: **25-11-2020** to **01-03-2022**

Replaces annex dated: **18-11-2020**

No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
61	Greenhouse soil	Determination of the content of water-soluble elements; ICP-AES manganese boron potassium sodium calcium magnesium phosphorus sulphur	KGEXTR en ICP-HSP in house method (measurement NEN 6966)	W
62	Peat substrates, potting soil	Determination of the pH; potentiometry	PH-GTB in house method	W
63		Determination of the electrical conductivity; conductometry	PGEXTR en EC1 in house method	W
64		Determination of the content of water-soluble nutrients; continuous flow spectrophotometry ammonium nitrate chloride bicarbonate	PGEXTR en SFAHFD in house method (measurement NPR 6650)	W
65	Peat substrates, potting soil	Determination of the content of water-soluble elements; ICP-AES iron manganese zinc boron copper potassium sodium calcium magnesium phosphorus sulphur	PGEXTR en ICP-HSP in house method (measurement NEN 6966)	W
66	Coconut substrates	Determination of the content of, in 0.1 M BaCl <sub>2</sub> ; soluble elements; ICP-AES calcium potassium magnesium sodium	KOKEXT ICP-HSP in house method	W

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

This annex is valid from: **25-11-2020 to 01-03-2022**

Replaces annex dated: **18-11-2020**

No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
67	Nutrient Solutions	Determination of the pH; potentiometry	PH-GTB in house method	W
68	Nutrient Solutions and process water	Determination of the electrical conductivity; conductometry	FILTR en EC1 in house method	W
69		Determination of the dissolved nutrients; continuous flow and spectrophotometry ammonium nitrate chloride bicarbonate	FILTR en SFAHFD in house method (measurement NPR 6650)	W
70		Determination of following dissolved elements; ICP-AES iron manganese zinc boron copper molybdenum silicon potassium sodium calcium magnesium phosphorus sulphur I	FILTR en ICP-HSP in house method (measurement NEN 6966)	W
71	Animal drinking water, process water and source water	Determination of the content of the following elements; DA spectrophotometry ammonium nitrate nitrite chloride sulphate	VDW1 in house method	W
72		Determination of the content of the following elements; ICP-AES sodium iron manganese calcium magnesium including hardness	VDW1 in house method	W

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

This annex is valid from: **25-11-2020 to 01-03-2022**

Replaces annex dated: **18-11-2020**

No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
73	Peat substrates, potting soil and coconut	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
74		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
75		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
76		Determination of the water number of organic matter after draining at -10 cm water pressure altitude; gravimetry	FYS1 in house method	W

#### Microbiological analysis

77	Process water	Determination of the number of <i>Escherichia coli</i> and Coliforms; MPN method	COLI-W-QTR NEN-EN-ISO 9308-2	W
78	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
79	Animal drinking water, process water and source water	Determination of the aerobic culturable micro-organisms at 22°C and 37°C; colony count technique	KOLONIE 22-W NEN EN- ISO 6222	W
80		Determination of the number of Enterococci; membrane filtration	ENTERO-W NEN-EN- ISO 7899-2	W
81		Determination of the number of yeasts and moulds at 25°C; colony count technique	GISTSCHIM-W ISO 7954 (1987)	W

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: **25-11-2020 to 01-03-2022**

Replaces annex dated: **18-11-2020**

No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
<b>Accreditation program animal manure; AP05</b>				
82	Slurry and solid manure	Determination of nitrogen content; auto analyser spectrophotometry	MEST-OVB and CFA8 AP05 (pre-treatment NEN 7430 and 7431, digestion NEN 7433, analysis of digests NEN 7434)	W
83		Determination of phosphorous content; auto analyser spectrophotometry	MEST-OVB and CFA8 AP05m (pre-treatment NEN 7430 and 7431, digestion NEN 7433, analysis of digests NEN 7435)	W
84	Minerals concentrate of slurry	Determination of the phosphorus content; DA spectrophotometry	FOSM AP05 (pre-treatment NEN-EN 14672, digestion NEN-ISO 15923-1)	W

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