ILVO Eenheid Plant - Laboratorium Teelt en Omgeving

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Price list ILVO Eenheid Plant -Laboratorium Teelt en Omgeving

Prices from 01/03/2026

Attention: prices do NOT include sample preparation!

All prices are without 6% VAT (BTW BE 0262 172 489)	**Method**	**Accreditation**	**Needed sample preparation (price to be included)**	**Actual price (sample preparation not included)**
General conditions:	https://ilvo.vlaanderen.be/en/general-terms-and-conditions			
Index (already applied):	1.4900			
I. Chemical analyses on mineral soil				
SV1: Sample preparation drying 40°C + mortar	BAM/deel1/02	yes		8.94
SV1: Sample preparation drying 40°C + mortar + ball mill		yes		14.90
% organic carbon (OC)	ISO 10694, BAM deel1/10, BOC	yes	SV2*	29.80
Total N (Dumas method)	Dumas via ISO 13878	no	SV2*	29.80
% organic carbon (OC) + total N (Dumas)	See above	yes (OC)	SV2*	44.70
pH-KCl	ISO 10390; BOC	yes	SV1*	14.90
EC (electrical conductivity)	1:5 extraction	no	SV1*	16.39
P, K, Ca, Mg in ammonium lactate extract	BAM/deel1/11, 1:20 extraction with amm.-lact., ICP-OES	yes (P)	SV1*	45.44
+ extra elements (Na, Fe, Al, Mn, Si and/or Zn) in ammonium lactate extract	BAM/deel1/11, 1:20 extraction with amm.-lact., ICP-OES	extractie		13.41
Total P, K, Ca, Mg and Na (=macro) in soil or biochar (microwave destruction)	Microwave destruction aqua regia + ICP-OES	no	SV1*	62.58
Total Mn, Cd, Cu, Pb, Cr, Ni, Zn (=heavy met) in soil or biochar (microwave destruction)	Microwave destruction aqua regia + ICP-OES	no	SV1*	62.58
Total macro + heavy metals (without Hg, B, Co, As, Mo) in soil or biochar (microwave destruction)	Microwave destruction aqua regia + ICP-OES	no	SV1*	75.99
Per extra element in extract total (B, Hg, As, Mo, Si)	Microwave destruction aqua regia + ICP-OES	no		4.47
Hot water extractable C and P (HWC/HWP)	1:5 extraction, 70°C, C/N analyzer and ICP-OES	no	SV1*	45.44
CaCl2-extraction and measurement P (and K and Mg) in extract	0.01M CaCl2 - ICP-OES	no	(SV1*)	45.44

Profile analysis NO3/NH4 0-30, 30-60, 60-90 without sampling	ISO 14256-2, deduced from BAM deel1/04 and deduced from BAM deel1/07	yes		105.04
Manual texture determination	Manual texture determination	no		14.90
CEC + cations on complex (without first flushing for salts)	pH 7, NH4acetate and KCl	no	SV1*	58.11
CEC + cations on complex (with first flushing for salts)	pH 7, NH4acetate and KCl + flushing ethanol	no	SV1*	78.97
Plfa (measure for total microbial biomass)	Phospholipid fatty acids, GC	no		163.90
Reduction rate of 10% for 20-30 samples, 15% for >30 samples can be granted when the samples are delivered at once				
* Attention: when mentioned that sample preparation (SV1, SV2, SVnat, SV3 or SV4) is needed: calculate this extra cost if samples are delivered in a fresh state . If you order multiple analyses: only calculate the sample preparation cost once. If both SV1 and SV2 are needed: only calculate the cost of SV2.				
II. Plant analysis				
Sample preparation drying 70°C + milling + determination residual moisture**				29.80
Moisture (ISO 6496)	ISO 6496	yes		15.50
Crude ash	ISO 5984	yes		17.13
Total N (Dumas method)	Dumas via ISO 16634-1	no		29.80
Total P, K, Ca, Mg and Na (digiprep)	Digiprep destruction aqua regia + ICP-OES	no		44.70
NDF	Fibersac, deduced from Van Soest et al. 1991	yes		46.49
ADF	Fibersac, deduced from Van Soest et al. 1991	yes		46.49
NDF, ADF, ADL (sequential) + determination lignin, cellulose and hemicellulose	Fibersac, deduced from Van Soest et al. 1991	yes		101.45
Crude fiber	Fibersac, deduced from ISO 6865	yes		47.71
Crude protein	5983-2	yes		41.76
Starch (polarimetric)	ISO 6493	yes		85.23
Water soluble sugars	Hydrolysis + iodometric analysis	no		64.07
Total sugars in cichory	Hydrolysis + HPLC	no		59.60
In vitro digestibility based on enzymes	De Boever et al. 1986	no		85.23
Cell wall digestibility	Van Soest	no		170.60
NIRS analysis on dried and milled samples:				
- Moisture (grass/maize)	NIRS	yes		9.31
- Crude protein (grass/maize)	NIRS	yes		9.31
- Crude fiber (grass/maize)	NIRS	yes		9.31
- Starch (maize)	NIRS	yes		12.29
- Water soluble sugars (grass)	NIRS	no		9.31
- Digestibility (grass/maize)	NIRS	no		12.29
Reduction rate of 10% for 20-30 samples, 15% for >30 samples can be granted when the samples are delivered at once				
** If sample preparation is required: calculate this extra cost if samples are delivered in a fresh state.				
III. Chemical and physical analyses on growing media, compost and soil improvers				
SV3: Sample preparation: drying 70°C, milling and dry matter content determination	CMA/5/B.1	no		29.80
SV4: Drying with tartaric acid	CMA/5/B.1	no		29.80
Dry matter content (only DM at 105°C)	CMA/2/II/A.1	no		20.86
Chemical substrate analysis water extract: NH4, NO3, SO4, Na, Cl	EN 13652, 1:5 extraction in water	no		33.52
Waterextract extra: carbon		no		13.41
Chemical substrate analysis ammonium acetate extract: P, K, Ca, Mg, Fe	1:5 extraction in ammonium acetate, CMA 2/IV/6 and 16 (v. 18/01/2012) - ICP-OES	no		29.80
pH water	EN 13037, 1:5 extraction	no		25.33
EC (electrical conductivity)	EN 13038, 1:5 extraction	no		25.33
Chemical substrate analysis: pH, EC, water extract (NH4, NO3, SO4, Na, Cl) and ammonium acetate extract (P, K, Ca, Mg, Fe)	See above	no		102.06
Total N (Dumas method)	Volgens Dumas via EN 13654-2 (CMA/2/IV/4)	no	SV3*	29.80
Total/organic C	Dry combustion, C/N analyser	no	SV3*	29.80
Total N and total/organic C	See above	no	SV3*	44.70
Organic matter	EN 13039	no	SV3*	26.82
NDF, ADF, ADL (sequential) + determination lignin, cellulose and hemicellulose	Fibersac, deduced from Van Soest et al. 1991	no	SV3*	101.45

Total P, K, Ca, Mg and Na (=macro) (digiprep)	CMA/2/IV/6 en 19	no	SV3*	44.70
Total macro extra: Al, Fe (digiprep)	CMA/2/IV/6 en 19	no		4.47
Total Mn, Cd, Cu, Pb, Cr, Ni, Zn (=heavy met) (digiprep)	CMA/2/IV/6 en 19	no	SV3*	44.70
Total macro, Fe, Al and heavy metals (digiprep)	CMA/2/IV/6 en 19	no	SV3*	58.11
Per extra element in extract total (Hg, As, Mo)	CMA/2/IV/6 en 19	no		4.47
CEC + cations on complex (without first flushing for salts)	pH 7, NH4acetate and KCl	no	SV3*	58.11
CEC + cations on complex (with first flushing for salts)	pH 7, NH4acetate and KCl + flushing ethanol	no	SV3*	78.97
NH4 in 1M KCl extract	tartaric acid drying (CMA/5/B.1), CMA/2/IV/6 and 7	no	SV3+SV4*	37.25
N immobilisation test (end in 3 replicates)	EN 13652 before and after N addition and week incubation	no		133.50
ammonium retention	EN 13652 after shaking in NH4NO3	no		59.60
moisture retention	moisture retention after 1:20 extraction and 1 hour dripping on funnel	no		26.82
Physical analysis substrates (10L sample needed!): Dry bulk density, pore volume, water on fresh weight, water capacity, air and water volume, shrink, moisture, organic matter and ash. Suction: -10cm (pF 1), -50cm (pF 1.7), -100 cm (pF 2.0)		no		163.90
Laboratory bulk density	CMA 2/IV/24 (EN 13040)	no		38.74
impurities>2mm + stones>5mm		no		77.48
Determination of a quantity (substrates) (3 bags)	EN 12580	no		78.97
Sieve fractions (multiple fractions between 0.500 and 40 mm)	EN 15428	no		74.50
Emerging weeds	Emerging weeds in mixture with sand	no		38.74
Phytotoxicity	Cress	no		38.74
Plfa (measure for total microbial biomass)	Phospholipid fatty acids, GC	no		163.90
Self heating test	EN 16087-2	no		54.38
Aerobic biological activity: oxitop (excl. OM and DM)	CMA 2/IV/25	no		59.60
Reduction rate of 10% for 20-30 samples, 15% for >30 samples can be granted when the samples are delivered at once				
* Attention: when mentioned that sample preparation (SV3 or SV4) is needed: calculate this extra cost if samples are delivered in a fresh state . If you order multiple analyses: only calculate the sample preparation cost once.				
IV. Measurements on extracts				
P, K, Ca, Mg, Na, Fe and Al in extract (ICP-OES)	ICP-OES	no		13.41
Mn, Cd, Cu, Pb, Cr, Ni, Zn (=heave met) in extract (ICP-OES)	ICP-OES	no		13.41
Extra element in extract (B, Hg, As, Mo, Si) (ICP-OES)	ICP-OES	no		4.47
P, K, Ca, Mg, Na, Fe en Al in extract (ICP-OES) after destruction extract (digiprep)	ICP-OES	no		41.72
Mn, Cd, Cu, Pb, Cr, Ni, Zn (=zw met) in extract (ICP-OES) na destructie extract (digiprep)	ICP-OES	no		41.72
Macro-elements + Fe, Al + heavy metals in extract (ICP-OES) after destruction extract (digiprep)	ICP-OES	no		55.13
Carbon in extract (C/N analyzer)	C/N analyzer	no		26.82
Measurement extract NO3, Cl, SO4, PO4	anionchromatografie	no		14.90
pH in extract	pH	no		14.90
EC in extract	EC	no		14.90