

Basic water check

Your client number is: 8696497

Eurofins Agro Testing UK Ltd i54
Business Park
Valiant Way
WV9 5GB WOLVERHAMPTON
Groot Brittannie

Original

Sample	Research-/ordernumber: 702507/00	Date sampling: 18-12-2020	Date report: 24-12-2020	Code of object:
	Test code: 610	Receiving date: 23-12-2020	Sample was taken by: Third party	Contactperson sampling:

Results

		analysis		guideline		converted results		analysis	guideline	Unit
	pH	7,7		5,5-7,5				Total hardness	17,9	°D
mS/cm 25°C	EC	0,7		<0,5				Temporary hardness	20,7	°D
Cations mmol/l	NH ₄	< 0,1		<0,3		< 1,9	ppm			
	K	< 0,1		<1,0		< 4,0	ppm			
	Na	0,6		<1,5		14	ppm			
	Ca	2,8		<1,0		112	ppm			
	Mg	0,4		<1,0		9,7	ppm			
Anions mmol/l	NO ₃	< 0,1		<2,0		< 6,3	ppm			
	Cl	0,4		<1,5		14	ppm			
	S	< 0,1		<1,0		< 3,3	ppm			
	HCO ₃	7,4		<3,0		452	ppm			
	P	< 0,04		<0,20		< 1,3	ppm			
Micro-nutrients µmol/l	Fe	0,4		<10		22	ppb			
	Mn	1,9		<3		104	ppb			
	Zn	< 0,1		<2		< 6,6	ppb			
	B	< 1,0		<10		< 11	ppb			
	Cu	< 0,1		<1,0		< 6,4	ppb			
	Mo	< 0,1		<0,8		< 9,6	ppb			
	mmol/l	Si	0,57		<1,5		16	ppm		
µmol/l										

Converted results: ppm = mg/l and ppb = µg/l.



Results

The advice given in this report provides general guidelines for the fertiliser application (stated at the end of the report). Depending on the type of crop, growth stage and growth circumstances, the guidelines may vary slightly.
The specific feeding schedule per crop is shown on the analysis report of the drain water, substrate or soil.

Recommend.

Fertilizers can be added according to scheme A 12.11.1.0.0.0.
The above water schedule has been calculated on the basis of the analysed parameters, and is shown in the following sequence: A HCO₃.Ca.Mg
When using this fertiliser recommendation schedule, a correction is made to these elements. The bicarbonate content determines the amount of acid that must be added to neutralise this.
If trace elements are present in the water, a correction is also made to the recommendation. The size of the correction is shown in the drain water or substrate analysis report.

Crop data

Source
Use Hydroponics
Irrigation system

History	pH	EC mS/cm	NH ₄ mmol/l	K	Na	Ca	Mg	NO ₃	Cl	S	HCO ₃	P	Si	Fe µmol/l	Mn	Zn	B	Cu	Mo
23-12-20	7,7	0,7	< 0,1	< 0,1	0,6	2,8	0,4	< 0,1	0,4	< 0,1	7,4	< 0,04	0,57	0,4	1,9	< 0,1	< 1,0	< 0,1	< 0,1
16-10-20	5,7	2,2	0,3	3,9	0,6	5,3	1,2	15,4	0,9	0,4	0,1	0,96	0,09	37	13	4,8	18	4,0	0,8

Method

pH
EC
NH₄
NO₃
Cl
HCO₃
Remaining analyses
Fe-tot

Q
Q
Q
Q
Q
Q
Q
*

Em: PH-GTB
Em: FILTR en EC1
Em: FILTR en SFAHFD
Em: FILTR en SFAHFD
Em: FILTR en SFAHFD
Em: FILTR en SFAHFD
Em: FILTR en ICP-HSP
Em: ICP-HSP

Q Method accredited by RvA

Em: Method Eurofins Agro, Gw: Equivalent of, Cf: In conformity with

* For this procedure the maximum shelf life between sampling and analysis has been exceeded.

This may have affected the reliability of the result.

The reported results only refer to the processed material on 23-12-2020

All analyses were (partial) conducted at the laboratory in Eurofins Agro, Wageningen.