

Test for fertilization
basic water + total-Fe
bron

Eurofins Agro
PO Box 170
NL - 6700 AD Wageningen
The Netherlands
T +31 (0)88 876 1014
F +31 (0)88 876 1011
E horti@eurofins-agro.com
I www.eurofins-agro.com

Eurofins-agro

Example report

Original

Sample	Research-/ordernumber: 110626/003034750	Date sampling: 16-05-2017	Date report: 18-05-2017	Code of object: KBWA2
	Test code: 612	Receiving date: 17-05-2017	Sample was taken by: Third party	Contactperson sampling: Nico Barendregt: 0652002103

Results	analysis				converted results				analysis			Unit
			guideline									
	pH	7,0	5,5-7,5						Total hardness	10,6		°D
mS/cm 25°C	EC	0,6	<0,5						Temporary hardness	4,2		°D
Cations mmol/l	NH ₄	< 0,1	<0,3	< 1,9	ppm							
	K	0,9	<1,0	35	ppm							
	Na	1,0	<1,5	23	ppm							
	Ca	1,2	<1,0	48	ppm							
	Mg	0,7	<1,0	17	ppm							
Anions mmol/l	NO ₃	2,7	<2,0	167	ppm							
	Cl	0,6	<1,5	21	ppm							
	S	0,5	<1,0	16	ppm							
	HCO ₃	1,5	<3,0	92	ppm							
	P	0,15	<0,20	4,6	ppm							
Micro-nutrients µmol/l	Fe	8,8	<10	491	ppb							
	Mn	5,1	<3	280	ppb							
	Zn	2,0	<2	131	ppb							
	B	5,2	<10	56	ppb							
	Cu	1,0	<1,0	64	ppb							
	Mo	< 0,1	<0,8	< 9,6	ppb							
mmol/l	Si	0,89	<1,5	25	ppm							
µmol/l	Fe-tot	7,5	<10	419	ppb							

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

bron

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 B 2.4.2.1.4.1.

The above water schedule has been calculated on the basis of the analysed parameters, and is shown in the following sequence: B HCO₃.Ca.Mg.S.NO₃.K

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 Well water
Use Hydroponics
Irrigation system drip irrigation

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
16-08-16	7,0	0,6	< 0,1	0,9	1,0	1,2	0,7	2,7	0,6	0,5	1,5	0,15	0,89	8,8	5,1	2,0	5,2	1,0	< 0,1

Method

pH Em: VO-PH
EC Q Em: FILTR en EC1
NH₄ Q Em: FILTR en DAHFD
NO₃ Q Em: FILTR en DAHFD
Cl Q Em: FILTR en DAHFD
HCO₃ Q Em: FILTR en DAHFD
Remaining analyses Q Em: FILTR en ICP-HSP
Fe-tot Em: ICP-HSP

Q Method accredited by RvA

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

All procedures have been completed within the maximum shelf life between sampling and analysis.

The reported results only refer to the material supplied to Eurofins Agro.