

## Analysis order Horticulture – advanced chemical analysis

Horticultural soil, growing media

valid from 01.12.2021

### results and invoice:

client no.

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.....  
name, first name (company)

.....  
street, house no.

.....  
place, postal code

.....  
telephone

.....  
E-Mail address

### copy of results:

client no.

.....  
name, first name (company)

.....  
street, house no.

.....  
place, postal code

.....  
telephone

.....  
E-Mail address

### sample denomination :

sampler: .....

date of sampling: .....

location of sampling .....

#### sample type

- |   |                                       |                                      |
|---|---------------------------------------|--------------------------------------|
| <input type="checkbox"/> growing media                | <input type="checkbox"/> potting soil | <input type="checkbox"/> other ..... |
| <input type="checkbox"/> constituent of growing media | <input type="checkbox"/> peat         | <input type="checkbox"/> compost     |
|   | <input type="checkbox"/> coir pith    | <input type="checkbox"/> coir fibres |
|   |                                       | <input type="checkbox"/> bark humus  |
|   |                                       | <input type="checkbox"/> digestate   |
|   |                                       | <input type="checkbox"/> wood fibres |
|   |                                       | <input type="checkbox"/> clay        |

#### European standards

- EN Basic  
lab compacted bulk density, pH, conductivity
- EN Standard 1  
lab compacted bulk density, pH, conductivity, N, P, K (CAT) according to EN 13651
- dry matter (EN 13040)
- organic matter (EN 13039)

#### Total contents

- total Nitrogen (N)
- total Phosphate (P<sub>2</sub>O<sub>5</sub>)
- total Potassium (K<sub>2</sub>O)
- total Magnesium (Mg)
- total Sulfur (S)
- total Boron (B)
- total Manganese (Mn)
- total Iron (Fe)
- total Molybdenum (Mo)
- total Selenium (Se)
- total Silicon (Si)
- total Cobalt (Co)
- total Calcium (CaO)
- .....

#### Heavy metals / harmful substances

- heavy metals package  
Pb, Cd, Cr, Ni, Hg, Cu, Zn
- heavy metals, according German fertilizer product regulation  
Pb, Cd, Cr, Ni, Hg, As, Tl
- PAK (16 compounds according to EPA)
- Perchlorate / Chlorate
- PFT (PFOA/PFOS)
- Dioxine and dl-PCB
- PCB (soil)
- radioactivity (Cs-134, Cs-137)
- radioactivity (Cs-134, Cs-137, Iod-131)

#### Microbial analysis

- E. coli (MPN/g)
- Salmonella in 50 g
- Enterococci
- Clostridia
- EHEC
- Listeria monocytogenes in 50 g
- Listeria ssp.
- Campylobacter sp. qualitative in 50 g
- Campylobacter sp. quantitative KBE/g

#### Pesticide residues

- WS = active substances
- monitoring of residues L  
approx. 350 WS
- herbicides, solid samples  
approx. 80 WS
- Glyphosat
- Glyphosat and Glufosinat
- pyridinherbicides
- growth-regulator-type- herbicides  
approx. 17 WS
- sulfonylurea herbicide  
approx. 20 WS
- GGS bark
- GGS bark + Lindane
- fungicides, solid samples  
approx. 70 WS
- insecticides, solid samples  
approx. 50 WS

#### Further analysis

- .....
- .....
- .....
- .....
- .....
- .....

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.....  
date

.....  
place

.....  
signature