

Analysis order Horticulture – physical and biological 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:

.....
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"/> wood fibres |
| | | <input type="checkbox"/> digestate |
| | | <input type="checkbox"/> clay |

physical analysis

- physical analysis according to EN 13041
dry matter, moisture content, org. matter, ash content, bulk density dry, pore volume, water and air capacity at pF 1.0, shrinkage
 pF 2.0 pF 1.7 pF 1.5 pF 0.5 in pots
- water permeability
following FLL on the basis of physical analysis according to EN 13041
- physical analysis according to RHP M40
dry matter, moisture content, org. matter, ash content, bulk density dry, pore volume, water and air capacity at pF 1,0, shrinkage
- quantity, bulk density according to EN 12580
- particle size distribution in % (v/v)
according to DIN 11540
- particle size distribution in % (w/w)
according to LUFA Nord-West AA 1/1-600
- particle size distribution (lime)
according to LUFA Nord-West AA 1/1-626
- oversize particles according to GGS quality assurance
 > 10 mm > 20 mm > 40 mm
- physical contaminants, BGK quality assurance
(plastics, glass, metall, other)
 > 1 mm > 2 mm > 5 mm
- stones, BGK quality assurance
 > 5 mm > 10 mm
- contamination with plastic films, cm²/l

physical analysis

- raw peat testing according to DIN 11540
dry matter, moisture content, org. matter, ash content, bulk density of org. matter, water capacity of org. matter, degree of humification
- fibre content of peat
- test on self heating of peat
(sensory test and incubation test)

biological analysis

- test on phytotoxic substances, plant response, **VDLUFA**
pot growth test with Chinese cabbage
 other test plant
- test on viable seeds and plant propagules (test on weeds), **VDLUFA**
- test on gaseous phytotoxic substances with cress
- test on phytotoxic substances, plant response, **BGK**
pot growth test with spring barley
- test on viable seeds and plant propagules (test on weeds), **BGK**

further analysis

- analysis of expanded clay according to GGS
dry matter, grain shape, bulk density, fragmented grains, oversize and undersize particles, capillary rise, pH, salt content, soluble Na, Cl, F (H₂O)
- lowering of pH with sulfur
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date

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place

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signature