

Technical Datasheet / Certificate of Analysis

Chemical analysis ⁽¹⁾			
	value washed	value buffered	unit
EC	≤ 0.5	≤ 0.5	mS/cm
pH	5.0–7.5	5.0–7.0	H ₂ O
anions			
N _{tot}	≤ 0.3	≤ 1.0	mmol/l
Cl	≤ 0.3	≤ 1.5	mmol/l
SO ₄	≤ 0.3	≤ 0.5	mmol/l
P	≤ 0.2	≤ 0.2	mmol/l
HCO ₃	≤ 0.5	≤ 0.5	mmol/l
cations			
K	≤ 3.0	≤ 1.5	mmol/l
Na	≤ 2.0	≤ 1.5	mmol/l
Ca	≤ 0.3	≤ 1.8	mmol/l
Mg	≤ 0.3	≤ 1.7	mmol/l
trace elements			
Fe	< 40	< 40	mmol/l
Mn	< 10	< 10	mmol/l
Zn	< 10	< 10	mmol/l
B	< 40	< 40	mmol/l
Cu	< 5	< 5	mmol/l
K ⁽²⁾	≤ 2.0	in BaCl ₂ minus K in H ₂ O	
Na ⁽²⁾	≤ 1.0	in BaCl ₂ minus Na in H ₂ O	

Chemical analysis ⁽³⁾			
	value washed	value buffered	unit
EC	≤ 20	≤ 20	mS/cm
pH	5.4–7.9	5.4–7.4	H ₂ O
anions			
N _{tot}	≤ 10	≤ 70	mg/l
Cl	≤ 180	≤ 95	mg/l
SO ₄	≤ 17	≤ 85	mg/l
P	≤ 11	≤ 11	mg/l
cations			
K	≤ 240	≤ 120	mg/l
Na	≤ 95	≤ 70	mg/l
Ca	≤ 20	≤ 120	mg/l
Mg	≤ 12	≤ 70	mg/l
trace elements			
Fe	< 4.5	< 4.5	mg/l
Mn	< 0.85	< 0.85	mg/l
Zn	< 1.3	< 1.3	mg/l
B	< 0.75	< 0.75	mg/l
Cu	< 0.65	< 0.65	mg/l

1) Test method: 1:1.5 volumes extraction with demineralized water

2) Test method: 1:1.5 volumes extraction with barium chloride

3) Test method: 1:5 volumes extraction with demineralized water

The analyses were carried out under NEN-EN 13037, 13038, 13040, 13652



Fibrgro Premium Coco is a loose coco coir substrate of the highest quality. Made from the husk of the coconut, the material consists of coir pith with a small amount of short / fine coco fibers. The EC is lowered by triple washing or chemically stabilized by buffering the material.

Application

Due to its homogeneous structure and high air content, Fibrgro Premium Coco has a wide range of applications. It can be used as a 100% substrate, or can be mixed with other raw materials. It can be used for sowing, propagation, growing and potting soil for vegetables, cut flowers, pot plants and container nursery stock.



Technical Datasheet / Certificate of Analysis (Continued)

Physical analysis ⁽⁴⁾	value	unit
Water content	< 20%	% by weight
Organic matter	85–95%	% by weight
Bulk density	90–125 kg/m ³	as dry material
Porosity	90–95%	volume fraction
Water	65–75%	vol.% -10cm, at -10 pressure head
Air	20–30%	vol.% -10cm, at -10 pressure head
Water Value	6–8	after drying in g/g; expressed in gram water per gram matter
Expansion ⁽⁵⁾	7.5 (± 1 ltr)	EN m ³ /t

Heavy metals			
	mg/kg		mg/kg
Cr	< 50	As	< 5.0
Ni	< 10	Cd	< 0.72
Cu	< 24	Hg	< 0.23
Zn	< 73	Pb	< 65

The analyses are based on NEN-EN 5751, 6465
Cr (NEN 5763), Ni (NEN 5765), Cu (NEN 5758), Zn (NEN 5759),
As (NEN 5760), Cd (NEN 6458), Hg (NEN 6439), Pb (NEN 5761)

This analysis is an indication

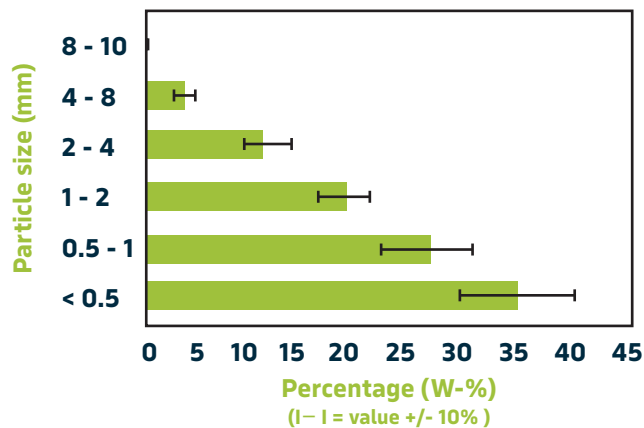
4) The analyses were carried out under NEN-EN 13039,
13040, 13041, 15428

5) Determination volume according to EN 12580

Human Pathogens ⁽⁶⁾	
free from Human Pathogens according to the RHP standards	
Enterococaceae	Target value < 1000 cfu/g
E. Coli	Target value < 1000 cfu/g
Salmonella	Target value 0
Campylobacter	Target value 0
Listeria	Target value 0

6) The indicative standard indicates a risk. There is no rejection on this

Sieve analysis



Disclaimer

The above product information was prepared to our best knowledge and under the responsibility of Head of Quality. This information supersedes and replaces any previous version. We reserve the right to make changes. All applications and usage recommendations must be understood as non-binding guidelines and must be adjusted to meet local circumstances and code of practice. Fibrgro Premium Coco can not be held responsible for any adverse consequences that may arise when using the data from this form.

