

Guarantee Statement

Declarations

The coco products we delivered to you, are produced in India on a location certified according to the international quality standard ISO 9001:2015. This implies that the way of buying, transporting, storing, producing and selling is executed according to this standard. The traceability of the products is guaranteed.

We declare that the production and the transport of the coco products, which we delivered to you, is executed according to this standard.

The coco products are made of 100% coconut husk material. The entire husks are crushed to obtain a coco material with a specific particle size distribution. After crushing, the material is washed and or chemically treated and dried by sun on a concrete floor. The dried material is pressed into the required size and shapes according to customer requirements.

There are no other products used for producing these products, also no animal products. The coco products are free from soil and free from any kind of organism that is harmful for plant growth.

The coconut husk also has a chemical composition that is close to other organic substrates that are worldwide used as substrates for the cultivation of pot plants and vegetables. The total salt content of the coconut husk material may be reduced by washing the material prior to drying. The coco products are distributed all over the world to be used as a growing medium for the soil less culture of vegetables and cut flowers.

We declare that our coco raw material is completely organic and free from harmful substances and contaminants.

All the areas of which we withdraws the raw materials are not appointed by the governments as protected or natural preserve areas. As far as we are aware and have information regarding the production of the coco products, these are produced GMO free.

Furthermore, corporate social responsibility is part of the mission and vision of our producer. Their policy emphasizes that they take great care of making certain that none of the employees that are directly or indirectly involved in our organization anywhere in the world are treated inhumanely. Also, they find it important that their activities do not negatively affect the environment in such a way that it is irreversible.



Guarantee Statement (Cont.)

Application

Please note that Coco products, even when they are buffered needs to be fertilized throughout cultivation, depending on the crop.

Technical Data

Chemical analysis (1:1.5) ⁽¹⁾			
	value washed	value buffered	unit
EC	≤ 0.5	≤ 0.5	mS/cm
pH	5.0 - 7.5	5.0 - 7.5	H2O
anions			
Ntot	≤0.3	≤0.7	mmol/l
Cl	≤3.0	≤1.5	mmol/l
SO4	≤0.3	≤0.5	mmol/l
P	≤0.2	≤0.2	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	μmol/l
Mn	≤10	≤10	μmol/l
Zn	≤10	≤10	μmol/l
B	≤40	≤40	μmol/l
Cu	≤5	≤5	μmol/l

Chemical analysis ⁽²⁾			
	value washed	value buffered	unit
EC	≤ 20	≤ 20	mS/cm
pH	5.4 - 7.9	5.4 - 7.9	H2O
anions			
Ntot	≤ 10	≤ 70	mg/l
Cl	≤ 180	≤ 120	mg/l
SO4	≤ 17	≤ 17	mg/l
P	≤ 11	≤ 11	mg/l
cations			
K	≤ 240	≤ 120	mg/l
Na	≤ 95	≤ 70	mg/l
Ca	≤ 20	≤ 115	mg/l
Mg	≤ 12	≤ 65	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 demineralised water

2) Test method: 1:5 volumes extraction with demineralised water

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



Guarantee Statement (Cont.)

Technical Data (Cont.)

Physical analysis ⁽³⁾		
	value	unit
Water content	< 20%	% by weight
Organic matter	93-98%	% by weight
Bulk density	80-110 kg/m ³	as dry material
Porosity	90-95%	volume fraction
Air filled porosity at saturation (slab height of 7.5 cm)	22 (± 2.5)	vol. %
Air filled porosity at saturation (slab height of 10 cm)	24 (± 2.5)	vol. %
Water value ⁽⁴⁾	7.5 (± 1)	g water/g org. matter

This analysis is an indication

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

4) Determination volume according to EN 12580

Human Pathogens ⁽⁵⁾	
Free from Human Pathogens according to the RHP standards.	
Enterococaceae	Target value < 10.000 cfu/g
E. Coli	Target value < 1000 cfu/g
Salmonella	Target value 0
Campylobacter	Target value 0
Listeria	Target value 0

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

Heavy metals			
	mg/kg		mg/kg
Cr	< 50.0	As	< 5.0
Ni	< 10.0	Cd	< 0.72
CU	< 24.0	Hg	< 0.23
Zn	< 73.0	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)

Phytosanitary requirements*	
Weeds presence (weeds/m ²)	≤ 3
Harmful organisms (fungi, bacteria, viruses, insects) ⁽⁶⁾	Absent
Contamination with live roots and parts of plants	Absent
Waste, plastic, ropes, stones, wood, iron, oil, etc	Absent
Harmful nematodes (plant pathogens list RHP)	Absent
Residues of pesticides ⁽⁷⁾	Absent

6) complete absence of fungi cannot be guaranteed. For more information see RHP Factsheet Fungal growth in on growing media.

7) complete absence of residues of pesticides cannot be guaranteed. For more information see RHP Factsheet Pesticides.

* Above mentioned phytosanitary requirements are according to the RHP standards. The analyses were carried out under RHP standards methods (if present): Weeds (M60), Harmful nematodes (M61-M62), Residues (M27). Human pathogens (Method in accordance with the European Regulation. Animal By-products 1069/2009).

Sizes*			
Length (cm)	Width (cm)	Height (cm)	Volume
15	15	15	3.4 Ltr
20	20	18	7.2 Ltr
20	20	20	8.0 Ltr
22.5	22.5	20	10.1 Ltr

* Other sizes available on request

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. We can not be held responsible for any adverse consequences that may arise when using the data from this form.

