

		RHP compost	
Fields of application	Horticulture	Consumer	



RHP compost

Compost is a raw material for growing media. This product sheet contains general requirements and product-specific requirements for RHP certified compost.

General process requirements

RHP location

The properties of the site may not harm the purity and quality of the product. That is why a number of process requirements have been drawn up for the RHP site, which can prevent the matters below:

- ✓ contamination by germinative weeds (zero tolerance)
- ✓ mixing of products through tyres, loading shovels and other means of transport
- ✓ contamination or mixing of the RHP product from surrounding areas
- ✓ contamination due to a non clean storage site
- ✓ mixing or contamination from or through the underground or surrounding materials

Transport

Transport must occur in such a way, that the purity and quality of the product remain within the general and specific product requirements. Previous to loading, the cargo space must be inspected if it is sufficiently clean. At each transport it must also demonstrably be known what the previous load of the vehicle was.

RHP quality mark

Only companies that join RHP can supply compost with the RHP quality mark. RHP approved substrates can be recognized by the RHP logo on the invoice and/or delivery receipt. This gives guarantees concerning the quality of the substrate delivered.



RHP certification

RHP has been the European knowledge centre for growing media since 1963. RHP certified substrates provide an optimal start of the culture. With the RHP quality mark you increase the security that the substrate complies with the quality requirements concerning for instance water uptake, air content, pH, EC and nutrients. It also offers more security that the substrate is clean and that it can be used without risks for the culture. The RHP quality mark monitors the quality of growing media in the chain, from raw materials production until processing and delivery at the company of the user.



Product-specific requirements for RHP compost

General requirements

Plant response test

The maximum application of RHP compost permitted in a mixture, is the highest application in the plant response test at which no significant germination inhibition has occurred higher than 10% and at which no significant growth inhibition has occurred higher than 20%.

Chemical requirements

Horticulture		Consumer	
EC and macro elements			
RHP compost is classified according to the table below.			
Nutrients table			
Measurement	Method	Standards	
		High	Very high
EC (mS/m)	EN 13038	<80	80-140
Element		(mg/l substrate)	
NH ₄ -N+ NO ₃ -N	EN 13652	<270	<270
Ca	EN 13652	<360	<360
Mg	EN 13652	<70	<70
NO ₃ -N	EN 13652	<190	<230
SO ₄ -S	EN 13652	<340	<340
P	EN 13652	<190	<190
When RHP compost has been classified according to the table above, the maximum dose is determined by the following standards per nutrients content.			
Measurement	Method	Standards (mg/l substrate)	
		High Maximum dose 20%	Very high Maximum dose 10%
K (CAT)	EN 13651	<1600	<2400
Na (CAT)	EN 13651	<310	<460
Cl	EN 13652	<520	<790

Horticulture		Consumer	
Micro elements			
Measurement	Method	Standards	
		(mg/l substrate)	
Fe	EN 13652	< 6,6	
Zn		< 1,9	
Cu		< 1,9	
Mn		< 0,8	
B		< 2,0	

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Calcium Carbonate Manganese-active and residues			
Measurement	Method	Standards	
CaCO ₃	NEN-ISO 10693	Indicative standard < 3.0 % (percentage by weight)	
Mn-active	Reducible manganese, RHP method	< 500 mg/kg	
Scan for pesticide residues, incl. herbicides	RHP	<i>Standards are in process</i>	

Horticulture		Consumer	
Heavy metals			
RHP products must meet the following requirements:			
<ul style="list-style-type: none"> they must comply with the statutory requirements of the country in which they are produced and processed 			
Element	Standards (in mg/kg)	Element	Standards (in mg/kg)
Cr	< 50	As	< 15
Ni	<20	Cd	< 1,0
Cu	< 90	Hg	< 0,3
Zn	< 290	Pb	< 100

Physical requirements

Horticulture		Consumer	
Organic matter, stability and contamination			
Measurement	Method	Standards	
Organic matter	EN 13039	> 20 (percentage by weight)	
Stability	EN 16087-1: 2020	< 15 mmol O ₂ / kg o.m. per hour	
Measurement	Method	Standards (percentage by weight)	
Stone > 20 mm	Bestimmung und Bewertung des Fremdstoff- und Steingehaltes. Methodenbuch zur Analyse von Kompost, Bundesgütegemeinschaft Kompost e.V., 1998, p43-46	0	
Stone 5 – 20 mm		≤ 2	
Glass > 20 mm		≤ 0.1	
Glass 2 - 20 mm		0	
Another contamination > 20 mm		0	
Other contamination 2 -20 mm		≤ 0,1	

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Phytosanitary requirements

Horticulture	Consumer	
Weeds, nematods and club root		
Measurement		
Method		
Standards		
All weeds	RHP	0
Nematods	Method Oostenbrink	0
Clubroot	NAK Tuinbouw	0
Human pathogens		
Measurement		
Method		
Standards		
Salmonella	Europese Verordening Dierlijke Bijproducten 2002/1774	0
Campylobacter		0
Enterobacteriaceae		< 10.000 kve/g
E. coli		< 1000 kve/g