

Quality Parameters for Composted Bark



Quality Parameters	Range of Values
1 Physical properties	
1.1 Granulation [mm]	≤ 20 Within the permissible span, the manufacturer declares the range valid for the particular product, the compliance of which is checked within the scope of quality assurance. Here, the permitted oversized fraction is ≤ 10 % by vol.
1.2 Bulk density, dry [g/l]	to be analysed
1.3 Dry matter [weight %]	to be analysed
2 Chemical properties	
2.1 pH value	4.0 - 7.0
2.2 Salinity [g/l]	≤ 1.5
2.3 Total contents of main nutrients	
2.3.1 Nitrogen (N) [% DM]	to be analysed
2.3.2 Phosphorous (P ₂ O ₅) [% DM]	to be analysed
2.3.3 Potassium (K ₂ O) [% DM]	to be analysed
2.3.4 Magnesium (Mg) [% DM]	to be analysed
2.4 Soluble main nutrients	
2.4.1 Nitrogen (NH ₄ -N + NO ₃ -N) [mg/l]	≤ 400
2.4.2 Phosphorus (P ₂ O ₅) [mg/l]	≤ 150 (CAT extract) ≤ 400 (CAL extract)
2.4.3 Potassium (K ₂ O) [mg/l]	≤ 600 (CAT extract) ≤ 800 (CAL extract)
2.5 Total contents of heavy metals	
2.5.1 Arsenic (As) [mg/kg DM]	≤ 40
2.5.2 Lead (Pb) [mg/kg DM]	≤ 150
2.5.3 Cadmium (Cd) [mg/kg DM]	≤ 2.5 ¹⁾
2.5.4 Chromium (Cr) [mg/kg DM]	≤ 300
2.5.5 Nickel (Ni) [mg/kg DM]	≤ 80
2.5.6 Mercury (Hg) [mg/kg DM]	≤ 1
2.5.7 Thallium (Tl) [mg/kg DM]	≤ 1
2.6 Organic content [% DM]	to be analysed
3 Biological properties	
3.1 Nitrogen dynamics (N immobilization / N mineralization) [mg N/l]	Δ N ≤ 120
3.2 Plant damaging substances	no plant damaging effect
3.3 Weed content	max. 1 seedling or sprouting plant part per litre of composted bark
3.4 Human pathogens (Salmonellae)	no salmonellae
3.5 Quarantine pests (eg Nematodes)	none
4 Other requirements	
4.1 Impurities > 2 mm (e.g. plastics, metal or glas)	none
4.2 Stones > 10 mm	none
5 On initiative by the Quality Committee	
Additional parameters that are not analysed frequently can be specified in a given case by the quality committee in consultation with the testing organisations involved.	
Declaration ¹⁾	
Granulation	The manufacturer declares according to Number 1.1
Dominating type of tree	
Intended use	Growing media constituent or soil improver ¹⁾
Place of production	
¹⁾ In addition to the product declaration, the current Fertiliser Ordinance must be observed.	