

**Quality Parameters for Bark Mulch (RAL-GZ 250/1-1)**


Quality parameters	Range of values		
	fine	medium	coarse
<b>1 Physical properties</b>			
1.1 Granulation			
Granulometric distribution <sup>1)</sup>	0-20 mm	10-40 mm	10-80 mm
Proportion of granulation [vol %]	> 85	> 70	> 70
1.2 Bulk density, dry [g/l]	to be analysed		
1.3 Dry matter [weight %]	to be analysed		
<b>2 Chemical properties</b>			
2.1 pH value	to be analysed		
2.2 Salinity [g/l]	to be analysed		
2.3 Total content of nutrients	to be analysed		
2.3.1 Nitrogen (N) [% DM]	to be analysed		
2.3.2 Phosphorous (P <sub>2</sub> O <sub>5</sub> ) [% DM]	to be analysed		
2.3.3 Potassium (K <sub>2</sub> O) [% DM]	to be analysed		
2.3.4 Magnesium (Mg) [% DM]	to be analysed		
2.4 Soluble nutrients			
2.4.1 Nitrogen (NH <sub>4</sub> -N + NO <sub>3</sub> -N) [mg/l]	to be analysed		
2.4.2 Phosphorus (P <sub>2</sub> O <sub>5</sub> ) [mg/l]	to be analysed		
2.4.3 Potassium (K <sub>2</sub> O) [mg/l]	to be analysed		
2.5 Total content 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 <sup>2)</sup>		
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 Total content of carbon (C <sub>t</sub> ) [% DM]	to be analysed		
2.7 C/N ratio	≥ 60		
2.8 Insecticide residues (Cypermethrin, Diflubenzorun, Alpha-Cypermethrin, Lamda-Cyhalothrin, Pirimicarb, Dimethoat)	≤ 0,3 mg/l fresh matter/group of active substances		
2.9 Organic content [% DM]	to be analysed		
<b>3 Biological properties</b>			
3.1 Volatile plant damaging substances	no evidence of plant damaging substances		
3.2 Human pathogens (Salmonellae)	No salmonellae		
3.3 Quarantine pests (eg Nematodes)	none		
<b>4 Other requirements</b>			
4.1 Impurities > 2mm (e.g. plastics, metal or glas)	none		
4.2 Stones > 10 mm	none		
4.3 Woody parts	not striking		
<b>5 On initiative by the Quality Committee</b>			
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.			
<b>Declaration <sup>2)</sup></b>			
Type	fine, medium, coars		
Dominating type of tree			
Production site			

<sup>1)</sup> The producer declares the fraction for every product.

<sup>2)</sup> In addition to the product declaration, the current Fertiliser Ordinance must be observed.