Quality Regulations for Granular Drainage Material

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All va	All values relate to the condition in a specified laboratory compaction test.						
	Quality Parameters	Range of Values					
		Intensive Greening	Extensive Greening				
1 Permissible constituents		Organic, mineral and synthetic substances. If there is an RAL quality assurance system for the organic starting substances, quality-assured or equivalent products are to be used. The decision rests with the Quality Committee "Substrates for Green Roofs and Substrates for Tree Planting"					
2	Declaration						
2.1	Constituents	Declaration of constituents > 5 vol. % in descending order. Recycling materials must be considered.					
3	Physical properties						
3.1	Grain size distribution [mass %]						
3.1.1	Proportion of clay and silt (d ≤ 0.063 mm)	≤ 10					
3.2	Bulk density (volume weight) [g/cm³]						
3.2.1	dry	То	be analysed				
3.2.2	at maximum water capacity (Wk max.)	То	be analysed				
3.3	Water and air management						
3.3.1	Maximum water capacity [vol. %]	To be analysed					
3.3.2	Water permeability mod. k _f [mm/min]	≥ 180					
3.4	Selectable foreign matter [mass %]						
3.4.1	d > 6 mm; e.g. tiles, glass, ceramics, wood remains		≤ 0.3				
3.4.2	Plastics (loss due to heating > 70% by weight)	≤ 0.1					
3.4.3 Surface sum of plastics (if 3.4.2 is exceeded) [cm²/l]		≤ 10					
4	Chemical properties						
4.1	pH value		6.0 - 8.5				
4.2	Salinity [g/l]	Water extract: ≤ 2.5	Water extract: ≤ 3.5				
		Gypsum extract ≤ 1.5 (when necessary)	Gypsum extract ≤ 2.5 (wh necessary)	ien			
5	Biological properties						
5.1	Growth inhibitors	Germination test produces no evidence of growth inhibitors					
6	Requirements as to environmental relevance	The substrates are to be examined for environmentally relevant substances in the eluate (see table on environmental relevance) (Table 6-7).					
7	Heavy metals	The substrates are to be ex 6-8).	kamined for heavy metals (see	table			

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