Green Roof Substrates

Table 6-7: Requirements as to Environmental Relevance

	Testing Parameters		Testing Methods	Requirements	Tolerance
1	pH value [1)]		DIN 38 414 S 4 [3)]	6.5 - 9.5	± 0.2
2	Electrical conductivity [1)]	µs / cm	DIN 38 414 S 4 [3)]	≤ 2500	± 25
3	Nitrate (NO_3) [1)]	[mg/l eluate]	DIN 38 414 S 4 [3)]	≤ 50	± 2
4	Phosphate (PO_4) [1)]	[mg/l eluate]	DIN 38 414 S 4 [3)]	≤ 6.7	± 0.1
5	Sodium (Na) [1)]	[mg/l eluate]	DIN 38 414 S 4 [3)]	≤ 200	± 6
6	Chloride (Cl) [1)]	[mg/l eluate]	DIN 38 414 S 4 [3)]	≤ 250	± 25
7	Fluoride (F) [1)]	[mg/l eluate]	DIN 38 414 S 4 [3)]	≤ 1.5	± 0.2
8	Arsenic (As) [1)]	[mg/l eluate]	DIN 38 414 S 4 [3)]	≤ 0.01	± 0.005
9	Lead (Pb) [1)]	[mg/l eluate]	DIN 38 414 S 4 [3)]	≤ 0.01	± 0.005
10	Cadmium (Cd) [1)]	[mg/l eluate]	DIN 38 414 S 4 [3)]	≤ 0.005	± 0.002
11	Chromium (Cr) [1)]	[mg/l eluate]	DIN 38 414 S 4 [3)]	≤ 0.05	± 0.01
12	Nickel (Ni) [1)]	[mg/l eluate]	DIN 38 414 S 4 [3)]	≤ 0,02	± 0.01
13	Phenol index [2)]	[mg/l eluate]	DIN 38 409 H 16	≤ 0.01	± 0.005
14	Hydrocarbons (HC) [2)]	[mg/l eluate]	DIN 38 409 H 53	≤ 0.1	± 0.005

[1)] Values according to the Drinking Water Ordinance

[2)] Values according to KU-GZ 515

[3)] S4 extract, 1+10 H_2O