

Technical Data for Soil Alternative

Physical Properties	Values	Test Method
EC washed (ms/cm)	0.1	NF EN 13038
pH washed	5.6	NF EN 13037
Dry bulk density (kg/m ³)	107	NF EN 12580
Organic Content of dry matter (%)	91.6	NF EN 13039
Particle size (mm)	1 – 8	-
Fiber Content (%)	2 – 5	-
Expansion Ratio (l/kg)	12 – 15	-
WHC (ml/100gm)	600 - 700	-
Oxygen uptake (mmol O ₂ /kg o.m./h)	7	-

Macro/ Micronutrients Nutrient Ions	Values	Test Method
N-NO ₃ ⁻ (mg/l)	<0.050	NF EN ISO 11885
P (mg/l)	1.01	NF EN ISO 11732
SO ₄ ²⁻ (mg/l)	33	NF EN ISO 11885
Cl ⁻ (mg/l)	9.7	NF EN ISO 11885
N-NH ₄ ⁺ (mg/l)	0.11	NF EN ISO 11732
K ⁺ (mg/l)	89.26	NF EN ISO 11885
Mg ²⁺ (mg/l)	119.26	NF EN ISO 11885
Ca ²⁺ (mg/l)	183.31	NF ISO 9297
Na ⁺ (mg/l)	78.71	NF EN ISO 11885

Metallic Trace Elements	Values	Test Methods
Cadmium (mg / kg MS)	0.07	NF EN ISO 11885
Chrome (mg / kg MS)	4.88	NF EN ISO 11885
Copper (mg / kg MS)	5.25	NF EN ISO 11885
Mercury (mg / kg MS)	<0.011	NF EN ISO 12338
Nickel (mg / kg MS)	<0.27	NF EN ISO 11885
Lead (mg / kg MS)	<0.53	NF EN ISO 11885
Zinc (mg / kg MS)	13.6	NF EN ISO 11885
Chromium + Copper + Nickel + Zinc (mg / kg MS)	24	NF EN ISO 11885

Pathogens Organisms	Values	Test Methods
Escherichia coli (UFC/g MB)	<100	NF ISO 16649-2
Clostridium perfringens (UFC/g MB)	<100	NF EN ISO 7937
Enterococcus (/ g MB)	40	NF EN ISO 7899-1
Other microorganisms		
Listeria monocytogenes	Not detected	NF EN ISO 11290-1
Salmonella	Not detected	NF EN ISO 6579-1
Helminth eggs	Absence	FD X33-040
Biological Analysis	Not detected	DNA Multiscan
Nematodes	Not detected	Nematodes t.b.v. RHP
Pesticides	Not detected	LC-MSMS , GC-MSMS