

ALGEA FERT SOLID K+

TYPICAL ANALYSIS (Product Code: 4109020-4107020)

Physical Properties			
General Description	Soluble, alkaline seaweed extract		
General Application	Biostimulant for plant growth, foliar and soil application		
Raw Material	<i>Ascophyllum nodosum</i>		
Appearance	Dark brown/black flakes, <2 mm		
pH	8.5-10 in 1% solution		
Conductivity	0,59 mS/cm 1% solution 18°C		
Solubility	50 g in 100 ml water at 20°C		
Stability	Solution above 30% are not recommended		
Storage Stability	Very stable when stored in a dry place in original packaging		
Bulk Density	500-900 kg/m ³		

Average Composition			
	Results	Units	Method
Moisture	2-8	%	A.O.A.C. 950.01
Alginic Acid	<13	%	Colorimetric (MHDP)
Mannitol	3-7	%	GC-MS Internal Method
Betaines	0.10	%	LC-MS Internal Method

Macronutrients			
	Results	Units	Method
Nitrogen (N)	1.0-1.5	%	Kjeldhal Method
Phosphorus (P)	0.02-0.05	%	Gravimetric Fertilizer Method
Sulphur (S)	1-9	%	IC Internal Method
Potassium Oxide (K ₂ O)	19-21	%	Gravimetric Fertilizer Method
Organic Carbon	19-21	%	APAT CNR IRSA 5040
Calcium (Ca)	0.5-1.0	%	IC Internal Method
Magnesium (Mg)	0.5-0.9	%	IC Internal Method

Micronutrients			
	Results	Units	Method
Copper (Cu)	1-6	mg/kg	Atomic Absorption
Iron (Fe)	50-200	mg/kg	Atomic Absorption
Manganese (Mn)	5-12	mg/kg	Atomic Absorption
Zinc (Zn)	10-100	mg/kg	Atomic Absorption
Boron (B)	20-100	mg/kg	A.O.A.C. 949.03
Molybdenum (Mo)	1-5	mg/kg	ICP-MS

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