



**TYPICAL ANALYSIS**  
(Product Code: 4101020-4101120)

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	9-10 in 25% solution
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 <sup>3</sup>

Average Composition			
	Results	Units	Method
Moisture	2-8	%	A.O.A.C. 950.01
Alginic Acid Derivatives	<10	%	Gravimetric White method
Mannitol	4-7	%	GC-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 <sub>2</sub> O)	1-4	%	Gravimetric Fertilizer Method
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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