

OILEAN GLAS TEORANTA – IRELAND

TYPICAL ANALYSES OF *AlgaeGreen 200*

1% = 10,000ppm et 1 mg/kg = 1ppm



GENERAL	Fresh		Dry weight	
	DRY Matter content	7.8	g/100g	100
TOTAL PROTEIN	0.5	g/100g	6.4	% Weight
TOTAL FAT	0.5	g/100g	6.4	% Weight
TOTAL CARBOHYDRATES	5.4	g/100g	69.2	% Weight
ASH CONTENT	1.4	g/100g	17.9	% Weight
ENERGY	28	Kcal/100g	359.0	Kcal %DM
ENERGY	119	KJ/100g	1525.6	KJ %DM

CARBOHYDRATES	Fresh	Dry weight
MANNITOL		16.410 % Weight
ALGINIC ACID		28.580 % Weight
FREE CARBOHYDRATES		9.500 % Weight
LAMINARINS		10.230 % Weight
FUCOIDIN		4.480 % Weight

TRACE ELEMENTS ANALYSIS	Fresh	Dry weight
ARSENOSUGARS	0.71 mg/kg	0.001 % Weight
BORON as B	17.9 mg/kg	0.023 % Weight
CALCIUM as CA.	327 mg/kg	0.419 % Weight
CADMIUM as Cd.	<0.01 mg/kg	<0.12 mg/kg
CHLORIDE as Cl.	3800 mg/kg	4.872 % Weight
COBALT as CO.	<0.1 mg/kg	<1.3 mg/kg
COPPER as CU.	<1 mg/kg	<0.001 % Weight
IRON as FE.	44.6 mg/kg	0.057 % Weight
IODINE as I.	96.3 mg/kg	0.123 % Weight
POTASSIUM as K.	1,870 mg/kg	2.397 % Weight
LEAD as Pb.	<0.05 mg/kg	<0.65 mg/kg
MAGNESIUM as Mg.	507 mg/kg	0.650 % Weight
MANGANESE as Mn.	1.46 mg/kg	0.002 % Weight
MERCURY as Hg.	<0.01 mg/kg	<0.12 mg/kg
MOLYBDENUM as Mo.	<0.1 mg/kg	<1.3 mg/kg
NITROGEN as N.	800 mg/kg	1.026 % Weight
SODIUM as Na.	2,900 mg/kg	3.718 % Weight
PHOSPHORUS as P.	116 mg/kg	0.149 % Weight
SELENIUM as SE	<0.1 mg/kg	<1.3 mg/kg
SULPHUR as S	1240 mg/kg	1.590 % Weight
ZINC as ZN.	3.41 mg/kg	0.004 % Weight

<u>VITAMIN ANALYSIS</u>	Fresh		Dry weight	
VITAMIN A RETINOL	<0.1	mg/kg	<1.3	mg/kg
VITAMIN B1	<0.1	mg/kg	<1.3	mg/kg
VITAMIN B2	<0.1	mg/kg	<1.3	mg/kg
VITAMIN B3 (as Niacin + Niacinamide)	<2	mg/kg	<0.002	% Weight
VITAMIN B5 (as Pantothenic acid)	2.2	mg/kg	28.2	mg/kg
VITAMIN B6 (as Pyridoxine)	<0.1	mg/kg	<1.3	mg/kg
VITAMIN B7 (as Biotin)	1.24	mg/kg	15.9	mg/kg
VITAMIN B9 (as Folic acid)	0.14	mg/kg	1.8	mg/kg
VITAMIN B12	<1	µg/kg	<0.013	mg/kg
VITAMIN C	<10	mg/kg	<0.013	% Weight
VITAMIN E (as Tocopherol)	13.3	mg/kg	170.51	mg/kg

<u>PLANT HORMONE-LIKE COMPOUNDS</u>	Fresh		Dry weight	
(In traces)				
Auxins	21.7	µg/kg	0.29	mg/kg
Cytokinins	0.285	µg/kg	0.004	mg/kg
Gibberellins	14.0	µg/kg	0.18	mg/kg
Betaines	6.8	µg/kg	0.09	mg/kg

<u>AMINO ACID ANALYSIS</u>	Fresh		Dry weight	
ALANINE	<0.02	g/100g	<0.25	% Weight
ARGININE	<0.02	g/100g	<0.25	% Weight
ASPARTIC ACID	<0.02	g/100g	<0.25	% Weight
CYSTINE	<0.02	g/100g	<0.25	% Weight
GLUTAMIC ACID	0.03	g/100g	0.38	% Weight
GLYCINE	<0.02	g/100g	<0.25	% Weight
HISTIDINE	<0.02	g/100g	<0.25	% Weight
ISOLEUCINE	<0.02	g/100g	<0.25	% Weight
LEUCINE	<0.02	g/100g	<0.25	% Weight
LYSINE	<0.02	g/100g	<0.25	% Weight
METHIONINE	<0.02	g/100g	<0.25	% Weight
PHENYLALANINE	<0.02	g/100g	<0.25	% Weight
PROLINE	<0.02	g/100g	<0.25	% Weight
SERINE	<0.02	g/100g	<0.25	% Weight
TAURINE	<5	mg/kg	<0.0064	% Weight
THREONINE	<0.02	g/100g	<0.25	% Weight
TRYPTOPHAN	<0.02	g/100g	<0.25	% Weight
TYROSINE	<0.02	g/100g	<0.25	% Weight
VALINE	<0.02	g/100g	<0.25	% Weight