

## TYPICAL ANALYSIS OF SOUTHERN TASMANIAN BULL KELP

(Durvillea Potatorum)

### COMPOSITION

Total Solids.....	85%	Total Moisture.....	15%
Crude Fibre.....	7.0%w/v	Crude Protein.....	5.0%

### MINERALS & TRACE ELEMENTS

Boron .....	70ppm	Iron.....(0.8g/kg).....	800ppm
Calcium .....	1.4%	Phosphorus.....	0.15%
Magnesium .....	1.0%	Potassium.....	1.2%
Manganese .....	61.5 ppm	Selenium.....	0.09ppm
Cobalt .....	(12mg/kg).....	Sodium Chloride .....	3.0%
Copper .....	(6mg/kg).....	Sulphur.....	0.82%
Iodine .....	(0.5g/kg).....	Zinc .....	30.0ppm
Nitrogen .....	0.75%	Alginates.....	600-700g/kg

### VITAMINS

Vitamin A (Retinol) .....	150 IU/kg	Vitamin C (Ascorbic Acid) .....	10.0 mg/kg
Vitamin B1 (Thiamine) .....	200 mcg/kg	Vitamin E (Tocopherol) .....	6.4 mg/kg
Vitamin B2 (Riboflavin) .....	2.5mg/kg	Choline .....	275 mg/kg
Vitamin B3 (Niacin) .....	23.0 mg/kg	Pantotene .....	7.0 mg/kg
Vitamin B6 (Pyridoxene) .....	230 mcg/kg	Carotene .....	42 mg/kg

*Durvillea Potatorum has been tested for any traces of heavy metals such as chromium, cadmium, nickel and mercury. Any quantities detected were up to 2,700 times below levels accepted by the World Health Organisation.*

### GROWTH REGULATORS (HORMONES):

#### CYTOKININS: (Compounds responsible for cell division and elongation in plants)

Trans Zeatin Riboside (ZR).....	7.0 +/- 1.0 micrograms / litre
Isopentenyl Adenosine (IPA).....	2.0 +/- 1.0 micrograms / litre
Trans Zeatin (Z) .....	0.07 +/- 0.3 micrograms / litre
Isopentenyl Adenine .....	16.0 +/- 1.5 micrograms / litre

#### AUXINS: (Responsible for promoting root growth and initiating buds)

Tri Indole Acetic Acid .....	150.0 micrograms / litre
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### AMINO ACID ANALYSIS (Average)

AMINO ACID TYPE	TOTAL% AMINO ACID	gm / AMINO ACID IN 100gm CRUDE PROTEIN	gm / AMINO ACID IN 100gm DRY MATTER	AMINO ACID TYPE	TOTAL % AMINO ACID	gm / AMINO ACID IN 100gm CRUDE PROTEIN	gm / AMINO ACID IN 100gm DRY MATTER
Aspartic Acid	0.477	8.658	0.542	Valine	0.206	3.744	0.234
Threonine	0.193	3.494	0.219	Cystine	0.105	1.905	0.119
Serine	0.197	3.577	0.224	Methionine	0.070	1.272	0.080
Glutamic Acid	0.498	9.031	0.565	Isoleucine	0.143	2.593	0.162
Proline	0.165	2.991	0.187	Leucine	0.249	4.513	0.283
Glycine	0.203	3.682	0.231	Lysine	0.182	3.301	0.207
Alanine	0.272	4.936	0.309	Arginine	0.132	2.402	0.150

FOR FURTHER INFORMATION CONTACT

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