



Analytical Report

Norwest Labs
 #104, 19575-55 A Ave.
 Surrey, BC. V3S 8P8
 Phone: (604) 514-3322
 Fax: (604) 514-3323

Bill to: W.C. Marine Bio-Processing Corp.
Report to: W.C. Marine Bio-Processing Corp.
 300 - 1497 Marine Drive
 West Vancouver, BC, Canada
 V7T 1B8
 Attn: Stefano Urbani
 Sampled By:
 Company:

Project ID: Product Analysis
Name:
Location:
LSD:
P.O.:
Acct. Code:

NWL Lot ID: 316337
 Control Number:
 Date Received: Jun 24, 2004
 Date Reported: Jul 08, 2004
 Report Number: 567591

NWL Number 316337-1
 Sample Description Kelpgrow
 Matrix Fertilizer

Analyte	Units	Results	Results	Results	Detection Limit
Hot Water Soluble					
Boron	Water Soluble	mg/kg	9.2		0.1
Metals Total					
Calcium	Total	mg/L	652		0.2
Iron	Total	mg/L	168		0.1
Magnesium	Total	mg/L	420		0.1
Manganese	Total	mg/L	0.74		0.005
Potassium	Total	mg/L	10300		0.4
Silicon	Total	mg/L	83.9		0.05
Sodium	Total	mg/L	2070		0.4
Sulphur	Total	mg/L	752		0.05
Mercury	Total	mg/L	<0.0002		0.0002
Aluminum	Total	mg/L	2.27		0.005
Antimony	Total	mg/L	<0.005		0.0002
Arsenic	Total	mg/L	5.52		0.0002
Barium	Total	mg/L	0.676		0.001
Beryllium	Total	mg/L	<0.002		0.0001
Bismuth	Total	mg/L	<0.01		0.0005
Boron	Total	mg/L	8.84		0.002
Cadmium	Total	mg/L	0.237		0.00001
Chromium	Total	mg/L	0.12		0.0005
Cobalt	Total	mg/L	0.0071		0.0001
Copper	Total	mg/L	0.254		0.001
Lead	Total	mg/L	0.011		0.0001
Lithium	Total	mg/L	0.028		0.001
Molybdenum	Total	mg/L	0.071		0.001
Nickel	Total	mg/L	0.077		0.0005
Selenium	Total	mg/L	<0.0050		0.0002
Silver	Total	mg/L	0.0884		0.0001
Strontium	Total	mg/L	37.0		0.001
Thallium	Total	mg/L	<0.001		0.00005
Tin	Total	mg/L	0.028		0.001
Titanium	Total	mg/L	0.339		0.0005
Uranium	Total	mg/L	0.032		0.0005
Vanadium	Total	mg/L	0.0791		0.0001
Zinc	Total	mg/L	0.855		0.001
Zirconium	Total	mg/L	<0.02		0.001

Physical and Aggregate Properties



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Matrix Fertilizer

Analyte	Units	Results	Results	Results	Detection Limit
Specific Gravity		1.060			
Fertilizers - Minerals, Nitrogens & Misc.					
pH	Fertilizer Nutrients	4.0			
EC - Fertilizer	Fertilizer Nutrients dS/m	44.1			
Total Nitrogen	Fertilizer Nutrients %	0.21			
Organic Nitrogen	Fertilizer Nutrients %	0.2047			
Ammonia Nitrogen	Fertilizer Nutrients %	0.005			
Nitrate Nitrogen	Fertilizer Nutrients %	<0.01			.01
Total P2O5	Fertilizer Nutrients %	0.740			
Soluble K2O	Fertilizer Nutrients %	1.45			
Total Sulphur	Fertilizer Nutrients %	0.09			.01
Chloride	Fertilizer Nutrients %	1.05			0.01
Boron	Fertilizer Nutrients ppm	13.1			
Calcium	Fertilizer Nutrients ppm	679			
Cobalt	Fertilizer Nutrients ppm	<0.5			
Copper	Fertilizer Nutrients ppm	<0.5			
Iron	Fertilizer Nutrients ppm	10.4			
Magnesium	Fertilizer Nutrients ppm	439			
Manganese	Fertilizer Nutrients ppm	0.3			
Molybdenum	Fertilizer Nutrients ppm	<0.5			
Sodium	Fertilizer Nutrients ppm	2430			
Zinc	Fertilizer Nutrients ppm	1.8			

Approved by:

Bill Warning, B.Sc.
Lab Operations Manager



Methodology and Notes

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Method of Analysis:

MethodName	Reference	Method	Date Analysis Started	Location
Boron in general soil	McKeague	* Hot Water Soluble Boron - Azomethine-H Method, 4.61	28-Jun-04	Norwest Labs Edmonton
Mercury (Total) in water	MDMES	* Determination of Mercury in Water by Cold Vapor Atomic Absor, 245.1	2-Jul-04	Norwest Labs Edmonton
Metals ICP-MS (Total) in water	US EPA	* Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8	2-Jul-04	Norwest Labs Edmonton
Metals Trace (Total) in water	APHA	* Inductively Coupled Plasma (ICP) Method, 3120 B	2-Jul-04	Norwest Labs Edmonton

* Norwest method(s) is based on reference method

References:

APHA Standard Methods for the Examination of Water and Wastewater
McKeague Manual on Soil Sampling and Methods of Analysis
MDMES Mthds for the Determination of Metals in Enviromental Smpls
US EPA US Environmental Protection Agency Test Methods

Comments:

Please direct any inquiries regarding this report to our Client Services group.
Results relate only to samples as submitted

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