



GESUNDHEIT

MARINE PHYTOPLANKTON

CERTIFICATE OF ANALYSIS

DETAILED ANALYSIS

HEAVY METAL TEST

TESTED BY: Vinod Gujral, Ph.D.

ENVIRO-HEALTH RESEARCH LABORATORIES INC.

Unit 13, 12240 Horseshoe Way, Richmond, B.C. V7A 4X9

Phone: (604) 275-6345 Fax: (604) 275- 7345

ENVIRO-HEALTH RESEARCH LABORATORIES INC.

Unit 13, 12240 Horseshoe Way, Richmond, B.C. V7A 4X9

Phone: (604) 275-6345 Fax: (604) 275- 7345

CERTIFICATE OF ANALYSIS

PRODUCT:

PHYTOPLANKTON

CLIENT: Marine Phytoplankton Products LTD.

SAMPLE TYPE: Powder

SAMPLED BY: Client

SAMPLE ID: 13621

CLIENT'S ID: Lot# 0012

ANALYSES REQUESTED: FOOD POISONING TEST, NUTRITIONAL PROXY TEST, IODINE, FATTY ACID PROFILE, OMEGA 6 FATTY ACID, BETA CAROTENE & VITAMIN C.

PARAMETER

RESULT

FOOD POISONING TEST

Standard Plate Count	500 cfu/gm
Total Coliforms	<3 cfu/gm
Fecal Coliforms	<3 cfu/gm
Escherichia coli	Negative
Salmonella species	Negative
Staphylococcus aureus	Negative
Bacillus cereus	Negative
Yeast	<10 cfu/gm
Mold	<10 cfu/gm

NUTRITIONAL PROXY TEST

Protien	47.5%
Ash	7.2%
Energy	422 Cal/100 gm
Energy	1765 KJ/100 gm
Carbohydrates	29.4%
Fat	12.7%
Moisture	3.2%
Crude Fiber	0.1%

FATTY ACID PRODIFILE (by GC)

EPA	9.3 mg/gm
DHA	4.9 mg/gm
Omega 6 Fatty Acid (Linolenic Acid)	3.4 mg/gm
Gamma Linolenic Acid	3.4 mg/gm

Beta Carotene (by HPLC)	*
Vitamin C (by HPLC)	**
Iodine (as per USP)	***

Note: * A number of carotinoids were found to be present in the sample which has similar spectra. It could be Xanthophyl's or β , γ type of carotinoids.

**** Vitamin C is present but could not be quantified.**

***** Iodine is present but could not be quantified.**

ENVIRO-HEALTH RESEARCH LABORATORIES INC.

Unit 13, 12240 Horseshoe Way, Richmond, B.C. V7A 4X9

Phone: (604) 275-6345 Fax: (604) 275- 7345

CERTIFICATE OF ANALYSIS

PRODUCT:

PHYTOPLANKTON

CLIENT: Marine Phytoplankton Products LTD.

SAMPLE TYPE: Powder

SAMPLED BY: Client

SAMPLE ID: 13713

CLIENT'S ID: Lot# 0012

ANALYSES REQUESTED: ELEMENTS, TOTAL PIGMENTS, FOLIC ACID, AMINO ACIDS & NUTRITIONAL PROXY TEST.

PARAMETER

RESULT

ELEMENTS

Boron	2.843 mcg/75mg
Calcium	142.500 mcg/75mg
Chromium	0.014 mcg/75mg
Copper	0.384 mcg/75mg
Iodine	1.210 mcg/75mg
Iron	90.000 mcg/75mg
Magnesium	286.500 mcg/75mg
Manganese	19.800 mcg/75mg
Molybdenum	0.023 mcg/75mg
Phosphorus	960.000 mcg/75mg
Potassium	975.000 mcg/75mg
Selenium	<0.010 mcg/75mg
Sodium	682.500 mcg/75mg
Sulfur	504.000 mcg/75mg
Vanadium	<0.069 mcg/75mg
Zinc	1.673 mcg/75mg

TOTAL PIGMENTS

23.300 mcg/75mg

ENVIRO-HEALTH RESEARCH LABORATORIES INC.

Unit 13, 12240 Horseshoe Way, Richmond, B.C. V7A 4X9

Phone: (604) 275-6345 Fax: (604) 275- 7345

CERTIFICATE OF ANALYSIS

PRODUCT:

PHYTOPLANKTON

CLIENT: Marine Phytoplankton Products LTD.

SAMPLE TYPE: Powder

SAMPLED BY: Client

SAMPLE ID: 13713

CLIENT'S ID: Lot# 0012

ANALYSES REQUESTED: ELEMENTS, TOTAL PIGMENTS, FOLIC ACID, AMINO ACIDS & NUTRITIONAL PROXY TEST.

PARAMETER

RESULT

VITAMINS

Folic Acid	0.053 mcg/75mg
Viatmin A	30.000 mcg/75mg
Vitamin B1(THIAMINE)	1.300 mcg/75mg
Vitamin B2(RIBOFLAVIN)	7.000 mcg/75mg
Vitamin B3(NIACIN)	11.000 mcg/75mg
Viatmin B5(PANTOTHENATE)	8.000 mcg/75mg
Viatmin B6(PYRIDOXINE)	0.990 mcg/75mg

AMINO ACIDS

Isoleucine	1.275 mg/75mg
Leucine	2.625 mg/75mg
Lysine	2.175 mg/75mg
Methionine	0.825 mg/75mg
Phenylanlanine	1.350 mg/75mg
Proline	2.925 mg/75mg
Threonine	1.725 mg/75mg
Tryptophan	0.600 mg/75mg
Valine	1.800 mg/75mg
Alanine	2.325 mg/75mg
Arginine	2.325 mg/75mg
Aspartic Acid	3.225 mg/75mg
Glutamic Acid	4.650 mg/75mg
Glycine	1.800 mg/75mg
Histidine	0.600 mg/75mg
Tyrosine	1.050 mg/75mg

MACRO NUTRIENTS

Carbohydrates	27.000 mg/75mg
Lipids	2.445 mg/75mg
Protiens	36.375 mg/75mg
Ash	6.600 mg/75mg
Moisture	3.490 mg/75mg
Nitrogen	5.820 mg/75mg
Calories	3.670 Kcal/g