

REPORT NO.
C17058-70008

A & L Canada Laboratories Inc.



ACCOUNT NUMBER
06555

2136 Jetstream Road, London, ON, N5V 3P5 Tel: (519) 457-2575 Fax: (519) 457-2664

TO:HI-ENERGY FISH AZ LLC
39138 N PARKER LANE
PHOENIX, AZ 85086
USA

FOR:HI-ENERGY FISH AZ LLC

ATTN:James Crook

Phone:623-824-1178

CERTIFICATE OF ANALYSIS

PAGE: 1 / 2

PROJECT NO:
PO#:
LAB NUMBER:587007
SAMPLE ID:HEF 2-0-0

SAMPLE MATRIX:LIQUID
DATE SAMPLED:NONE GIVEN
DATE RECEIVED:2017-02-27
DATE REPORTED:2017-03-16
DATE PRINTED:2017-03-17

PARAMETER	RESULT	UNIT	DETECTION LIMIT	METHOD REFERENCE
pH	5.27	---	0.10	pH Meter
Total Suspended Solids	1765.0	ug/ml	10.0	Filtration/Gravimetric
TKN	2.04	%	0.10	Colourimetric
Nitrate-N	BDL*	ug/ml	1.00	Automated Colourimetric
Nitrite-N	BDL*	ug/ml	1.00	Automated Colourimetric
Total Nitrogen	2.04	%	0.10	AOAC 993:13*
Total Phosphorus (as P2O5)	3.55	%	0.05	
Total Potassium (as K2O)	0.32	%	0.05	
Ammonia (NH3/NH4-N)	17152.94	ug/ml	0.01	Colourimetric
Arsenic	BDL*	ug/g	1.00	EPA 3050/6010 (mod)*
Barium	BDL*	ug/g	1.00	ICP
Beryllium	BDL*	ug/g	1.00	ICP
Cadmium	BDL*	ug/g	1.00	ICP *
Cobalt	BDL*	ug/g	1.00	ICP
Chromium	BDL*	ug/g	1.00	ICP
Copper	BDL*	ug/g	1.00	ICP
Mercury	BDL*	ug/g	0.10	EPA 7471 *
Molybdenum	BDL*	ug/g	1.0	ICP *
Nickel	BDL*	ug/g	1.00	ICP
Lead	3.04	ug/g	1.00	ICP *
Potassium	2616.50	ug/g	5.00	ICP
Selenium	BDL*	ug/g	1.00	EPA 3050/6010 (mod)*
Phosphorus	15545.00	ug/g	5.00	ICP *
Aluminum	BDL*	ug/g	5.00	ICP

Results reported on a as is basis

* - accredited test

BDL - Below detectable levels

The results of this report relate to the sample submitted and analyzed.

Results Authorized By:

Haifeng Song, Ph.D., C.Chem. Lab Director



C17058-70008

REPORT NO.
C17058-70008

A & L Canada Laboratories Inc.



ACCOUNT NUMBER
06555

2136 Jetstream Road, London, ON, N5V 3P5 Tel: (519) 457-2575 Fax: (519) 457-2664

TO:HI-ENERGY FISH AZ LLC
39138 N PARKER LANE
PHOENIX, AZ 85086
USA

FOR:HI-ENERGY FISH AZ LLC

ATTN:James Crook

Phone:623-824-1178

CERTIFICATE OF ANALYSIS

PAGE: 2 / 2

PROJECT NO:
PO#:
LAB NUMBER:587007
SAMPLE ID:HEF 2-0-0

SAMPLE MATRIX:LIQUID
DATE SAMPLED:NONE GIVEN
DATE RECEIVED:2017-02-27
DATE REPORTED:2017-03-16
DATE PRINTED:2017-03-17

PARAMETER	RESULT	UNIT	DETECTION LIMIT	METHOD REFERENCE
Strontium	BDL*	ug/g	1.00	ICP *
Boron	BDL*	ug/g	1.00	ICP
Calcium	170.65	ug/g	5.00	ICP *
Iron	5.87	ug/g	5.00	ICP *
Magnesium	34.46	ug/g	5.00	ICP
Vanadium	BDL*	ug/g	1.00	ICP
Manganese	BDL*	ug/g	1.00	ICP *
Sodium	2980.50	ug/g	1.00	ICP
Zinc	BDL*	ug/g	1.00	ICP *
Sulphur	694.00	ug/g	5.00	ICP *
Conductivity (@ 25 deg C)	17.12	ms/cm	0.02	TMECC.04.10
Acetic Acid	26817	ug/g	50	Ion Chromatography
Butyric Acid	29411	ug/g	50	Ion Chromatography
Isobutyric Acid	4052	ug/g	50	Ion Chromatography
Propionic Acid	10473	ug/g	50	Ion Chromatography

Results reported on a as is basis

* - accredited test

BDL - Below detectable levels

The results of this report relate to the sample submitted and analyzed.



C17058-70008

Results Authorized By:

Haifeng Song, Ph.D., C.Chem. Lab Director