



www.acmelab.com

Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: Richards, Gordon
6410 Holly Park Drive
Delta BC V4K 4W6 Canada

Submitted By: Gordon Richards
Receiving Lab: Canada-Vancouver
Received: August 08, 2013
Report Date: August 22, 2013
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN13003076.1

CLIENT JOB INFORMATION

Project: UGV
Shipment ID:
P.O. Number
Number of Samples: 2

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Procedure Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Contains two rows of sample preparation data.

SAMPLE DISPOSAL

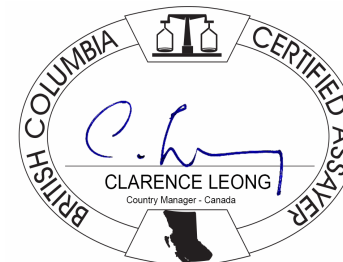
DISP-PLP Dispose of Pulp After 90 days

ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Richards, Gordon
6410 Holly Park Drive
Delta BC V4K 4W6
Canada

CC:



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. *** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



www.acmelab.com

Acme Analytical Laboratories (Vancouver) Ltd.
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
 PHONE (604) 253-3158

Client: **Richards, Gordon**
 6410 Holly Park Drive
 Delta BC V4K 4W6 Canada

Project: UGV
 Report Date: August 22, 2013

Page: 2 of 2

Part: 1 of 2

CERTIFICATE OF ANALYSIS

VAN13003076.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
U85	Rock	0.13	0.7	4.0	11.4	44	<0.1	4.6	2.2	123	0.99	3.5	1.8	17.5	7	<0.1	0.4	<0.1	8	0.11	0.043
X393	Rock	0.16	0.5	5.7	16.6	49	<0.1	2.0	1.6	243	1.51	2.1	<0.5	12.0	9	<0.1	0.1	0.2	<2	0.11	0.040



www.acmelab.com

Acme Analytical Laboratories (Vancouver) Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

Client: **Richards, Gordon**

6410 Holly Park Drive
Delta BC V4K 4W6 Canada

Project: UGV

Report Date: August 22, 2013

Page: 2 of 2

Part: 2 of 2

CERTIFICATE OF ANALYSIS

VAN13003076.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
U85	Rock	51	4	0.03	74	0.002	3	0.56	0.004	0.13	<0.1	0.03	1.2	<0.1	<0.05	2	<0.5	<0.2
X393	Rock	42	3	0.03	83	<0.001	5	0.32	0.032	0.18	<0.1	0.03	2.2	<0.1	<0.05	<1	<0.5	<0.2



www.acmelab.com

Acme Analytical Laboratories (Vancouver) Ltd.
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
 PHONE (604) 253-3158

Client: Richards, Gordon
 6410 Holly Park Drive
 Delta BC V4K 4W6 Canada

Project: UGV
Report Date: August 22, 2013

Page: 1 of 1

Part: 1 of 2

QUALITY CONTROL REPORT

VAN13003076.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Reference Materials																				
STD DS9	Standard	12.3	102.3	128.6	302	1.8	40.1	7.3	571	2.37	24.6	120.8	6.2	65	2.5	5.5	5.6	40	0.71	0.081
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
Prep Wash																				
G1	Prep Blank	0.2	3.9	4.7	45	<0.1	2.5	3.7	569	1.97	<0.5	1.5	6.3	57	<0.1	<0.1	<0.1	37	0.52	0.077



www.acmelab.com

Acme Analytical Laboratories (Vancouver) Ltd.
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
 PHONE (604) 253-3158

Client: **Richards, Gordon**
 6410 Holly Park Drive
 Delta BC V4K 4W6 Canada

Project: UGV
 Report Date: August 22, 2013

Page: 1 of 1

Part: 2 of 2

QUALITY CONTROL REPORT

VAN13003076.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Reference Materials																		
STD DS9	Standard	12	111	0.62	295	0.103	3	0.93	0.081	0.40	2.8	0.22	2.2	5.1	0.17	4	5.5	4.8
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																		
G1	Prep Blank	12	8	0.50	173	0.121	4	1.01	0.114	0.52	<0.1	0.01	2.3	0.3	<0.05	5	<0.5	<0.2