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**MINERAL LABORATORIES**  
Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

**Client:**

**Fireweed Zinc Ltd.**

Suite 1020, 800 Pender Street

Vancouver British Columbia V5C 2V6 Canada

Submitted By: Confirmation & Email Distribution List

Receiving Lab: Canada-Whitehorse

Received: September 20, 2018

Report Date: October 09, 2018

Page: 1 of 2

## CERTIFICATE OF ANALYSIS

WHI18000965.1

### CLIENT JOB INFORMATION

Project: MacMillan Pass  
Shipment ID: FWZ18-BV-041  
P.O. Number  
Number of Samples: 5

### SAMPLE DISPOSAL

RTRN-PLP Return After 90 days  
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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

Invoice To: Fireweed Zinc Ltd.  
Suite 1020, 800 Pender Street  
Vancouver British Columbia V5C 2V6  
Canada

CC:

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS230	5	Dry at 60C sieve 100g to -230 mesh			WHI
SLBHP	5	Sort, label and box pulps			WHI
AQ250	5	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN
SHP01	5	Per sample shipping charges for branch shipments			VAN

### ADDITIONAL COMMENTS

  
KERRY JAY  
Geochem Project Specialist

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. Bureau Veritas 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.



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**Part:** 1 of 2

# CERTIFICATE OF ANALYSIS

WHI18000965.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
3200013	Soil	125.14	452.05	57.22	3157.1	5526	466.4	11.3	359	3.13	83.3	33.7	1.9	2.2	248.4	57.51	36.69	0.22	382	0.87	0.347
3200014	Soil	178.69	243.98	112.00	2883.1	3119	557.1	10.9	207	2.92	76.2	20.1	1.9	2.6	147.2	29.37	29.91	0.23	359	0.72	0.199
3200015	Soil	161.46	221.85	107.16	3072.9	3371	515.2	8.6	127	2.76	76.3	16.3	1.6	2.9	151.0	32.65	30.21	0.23	318	1.52	0.173
3200016	Soil	142.94	237.30	59.51	3420.2	3093	516.0	9.0	213	2.64	68.5	14.4	1.1	1.9	168.3	42.33	27.70	0.19	287	2.17	0.196
3200017	Soil	89.09	212.73	33.80	2455.2	2816	382.9	5.6	122	1.94	49.4	13.9	1.4	1.0	157.7	31.22	23.00	0.16	197	1.92	0.162



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# CERTIFICATE OF ANALYSIS

WHI18000965.1

	Method Analyte Unit MDL	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
3200013	Soil	10.9	46.0	0.10	254.6	0.009	<20	1.20	0.008	0.11	0.4	4.2	5.52	0.18	2016	21.7	0.46	1.3
3200014	Soil	10.3	36.8	0.14	161.4	0.006	<20	0.69	0.006	0.07	0.4	2.7	4.48	0.08	1944	23.8	0.30	1.3
3200015	Soil	10.2	32.5	0.67	151.5	0.005	<20	0.57	0.004	0.07	0.4	3.1	3.96	0.07	1905	26.1	0.36	1.0
3200016	Soil	8.0	31.2	0.88	136.8	0.004	<20	0.54	0.005	0.07	0.4	2.9	3.66	0.10	1524	21.6	0.29	1.0
3200017	Soil	5.7	25.7	0.51	148.3	0.004	<20	0.53	0.009	0.07	0.3	1.7	2.82	0.11	1179	17.0	0.27	1.0



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## QUALITY CONTROL REPORT

WHI18000965.1

Method Analyte Unit MDL		AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
Pulp Duplicates																					
3200016	Soil	142.94	237.30	59.51	3420.2	3093	516.0	9.0	213	2.64	68.5	14.4	1.1	1.9	168.3	42.33	27.70	0.19	287	2.17	0.196
REP 3200016	QC	133.72	240.28	56.24	3270.8	2951	497.6	8.2	223	2.47	64.4	13.7	1.0	1.8	161.4	40.53	26.25	0.18	278	2.09	0.179
Reference Materials																					
STD DS11	Standard	13.46	156.56	139.55	337.4	1789	82.4	14.5	982	2.97	40.3	2.4	70.1	6.8	61.1	2.26	5.86	10.88	47	1.01	0.069
STD OREAS45EA	Standard	1.61	690.43	14.56	33.4	266	365.0	56.6	433	21.86	9.6	1.9	52.9	10.5	3.6	0.01	0.22	0.31	303	0.03	0.032
STD OREAS45EA Expected		1.6	709	14.3	31.4	260	381	52	400	22.65	11.4	1.73	53	10.7	4.05	0.03	0.32	0.26	303	0.036	0.029
STD DS11 Expected		13.9	149	138	345	1710	77.7	14.2	1055	3.1	42.8	2.59	79	7.65	67.3	2.37	7.2	12.2	50	1.063	0.0701
BLK	Blank	0.02	0.03	<0.01	0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001



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	Method Analyte Unit MDL	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																		
3200016	Soil	8.0	31.2	0.88	136.8	0.004	<20	0.54	0.005	0.07	0.4	2.9	3.66	0.10	1524	21.6	0.29	1.0
REP 3200016	QC	8.2	29.0	0.85	144.7	0.004	<20	0.52	0.005	0.07	0.4	2.7	3.49	0.09	1483	21.0	0.27	0.9
Reference Materials																		
STD DS11	Standard	15.5	61.1	0.82	429.5	0.084	<20	1.07	0.068	0.38	3.1	3.0	4.95	0.26	292	2.2	4.55	4.9
STD OREAS45EA	Standard	7.0	971.2	0.09	154.3	0.104	<20	3.21	0.019	0.06	<0.1	80.3	0.09	0.03	22	0.9	0.07	13.5
STD OREAS45EA Expected		7.06	849	0.095	148	0.0984		3.32	0.02	0.053		78	0.072	0.036	10	0.78	0.1	12.4
STD DS11 Expected		18.6	61.5	0.85	417	0.0976		1.129	0.0694	0.4	2.9	3.1	4.9	0.2835	260	2.2	4.56	4.7
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1