



**BUREAU VERITAS** 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:** **Jack Milton**  
1022 Pennylane Place  
Squamish British Columbia Canada

Submitted By: Jack Milton  
Receiving Lab: Canada-Whitehorse  
Received: September 21, 2021  
Analysis Start: November 02, 2021  
Report Date: January 18, 2022  
Page: 1 of 2

# CERTIFICATE OF ANALYSIS

WHI21000563.2

## CLIENT JOB INFORMATION

Project: Sot  
Shipment ID:  
P.O. Number  
Number of Samples: 24

## SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp 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: Jack Milton  
1022 Pennylane Place  
Squamish British Columbia  
Canada

CC:

## SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS230	23	Dry at 60C sieve 100g to -230 mesh			WHI
AQ252	23	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
DISPL	23	Disposal of pulps			VAN
SHP01	23	Per sample shipping charges for branch shipments			VAN
FA130	1	Fire assay fusion Au Pt Pd by ICP-MS	30	Completed	VAN

## ADDITIONAL COMMENTS

Version 2 : FA130 included.



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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Project: Sot  
Report Date: January 18, 2022

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Part: 1 of 3

# CERTIFICATE OF ANALYSIS

# WHI21000563.2

Method	Analyte	WGHT	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	MDL	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
		0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01
21JM002S	Silt	1.34	2.15	15.76	5.91	48.3	49	12.5	8.7	361	2.16	3.9	2.7	3.3	7.2	31.2	0.15	0.40	0.26	53	0.56	
21JM003S	Silt	1.08	0.86	10.67	5.35	43.4	42	10.7	7.3	345	1.98	3.3	1.9	3.6	6.2	28.9	0.09	0.27	0.16	48	0.58	
21JM004S	Silt	1.13	1.25	12.47	6.13	59.5	69	14.0	9.7	707	2.32	3.4	5.8	10.6	7.3	37.7	0.18	0.34	0.15	57	0.68	
21JM005S	Silt	1.32	0.34	12.18	4.27	42.0	35	14.7	8.0	285	1.98	2.8	1.1	5.9	4.5	31.5	0.08	0.29	0.08	50	0.64	
21JM006S	Silt	2.42	0.71	9.35	5.41	48.1	35	13.0	7.0	302	2.09	4.0	1.4	11.3	5.0	31.7	0.09	0.26	0.09	50	0.54	
21JM007S	Silt	1.25	0.77	14.40	5.59	51.8	54	16.9	10.4	507	2.50	5.0	1.2	3.9	4.5	35.7	0.10	0.36	0.11	57	0.58	
21JM008S	Silt	1.72	0.70	9.69	6.59	48.2	44	14.0	7.8	364	1.94	4.3	1.4	3.7	5.1	35.1	0.10	0.27	0.12	49	0.55	
21JM009S	Silt	2.53	0.84	11.07	5.16	51.3	64	12.8	8.6	352	2.36	3.2	2.8	5.4	8.5	31.0	0.10	0.25	0.13	61	0.63	
21JM010S	Silt	2.15	1.13	14.22	7.18	59.5	97	17.5	11.0	471	2.70	5.5	2.9	3.2	11.0	38.5	0.13	0.28	0.31	67	0.66	
21JM011S	Silt	2.20	0.66	15.06	5.48	45.2	46	15.6	8.0	311	1.98	3.4	2.2	8.4	5.5	34.7	0.11	0.31	0.12	50	0.63	
21JM012S	Silt	2.17	1.61	13.69	4.87	41.3	56	12.6	8.1	374	1.88	3.8	0.9	2.1	3.2	33.6	0.08	0.26	0.09	46	0.60	
21JM013S	Silt	2.08	0.82	14.83	12.50	69.2	147	15.2	8.1	492	2.10	2.6	12.8	2.8	5.1	42.9	0.45	0.22	0.23	53	0.67	
21JM014S	Silt	1.59	1.37	15.57	14.39	83.9	182	16.8	9.3	602	2.17	3.3	5.4	3.4	7.7	39.3	0.40	0.25	0.39	55	0.59	
21JM015S	Silt	1.30	1.02	18.26	17.35	113.1	248	16.9	8.7	482	2.43	3.4	27.3	6.8	10.0	42.3	0.72	0.27	0.31	54	0.72	
21JM016S	Silt	1.34	1.67	13.74	9.50	69.2	103	17.2	9.9	517	2.15	3.3	4.3	9.0	8.7	36.1	0.26	0.27	0.25	55	0.57	
21JM017S	Silt	2.72	0.65	9.99	8.55	57.0	68	13.7	8.2	374	2.16	3.2	1.8	*	6.9	35.5	0.12	0.21	0.21	56	0.58	
21JM018S	Silt	0.44	1.33	20.62	12.35	82.5	167	20.8	10.5	547	2.56	4.3	3.7	12.2	7.0	48.0	0.48	0.31	0.29	62	0.77	
21JM019S	Silt	1.65	1.14	12.35	16.07	85.2	98	15.6	9.0	515	2.23	3.3	3.7	10.5	12.3	33.3	0.24	0.22	0.26	53	0.50	
21JM020S	Silt	1.42	1.22	15.91	7.32	57.4	82	17.2	8.8	376	2.27	3.8	13.1	1.8	4.7	54.6	0.16	0.30	0.34	54	0.76	
21JM021S	Silt	1.66	0.83	18.65	5.41	55.0	52	20.6	10.7	594	2.67	5.0	7.9	6.9	3.5	47.8	0.15	0.31	0.09	61	0.87	
21JM022S	Silt	1.17	0.44	19.15	5.62	53.4	52	16.7	10.0	366	2.52	9.3	1.5	9.1	5.6	41.4	0.08	0.57	0.10	62	0.80	
21JM023S	Silt	1.09	0.37	16.51	4.37	48.6	37	18.9	9.1	363	2.24	4.1	1.3	4.3	3.9	52.5	0.07	0.28	0.08	52	0.83	
21JM024S	Silt	1.96	0.53	15.77	7.35	53.3	82	15.7	9.7	459	2.25	8.9	2.3	8.8	5.0	42.3	0.19	0.48	0.11	56	0.69	
21JM025S	Silt	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.



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Project: Sot  
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Part: 2 of 3

# CERTIFICATE OF ANALYSIS

## WHI21000563.2

Method	Analyte	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	FA130	FA130
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	TI	S	Hg	Se	Te	Ga	Au	Pt
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppb	ppb
MDL		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	1	0.1
21JM002S	Silt	0.080	17.3	22.0	0.57	162.4	0.105	2	1.47	0.019	0.10	0.7	4.9	0.13	<0.02	60	0.2	0.02	4.8		
21JM003S	Silt	0.088	14.6	18.8	0.55	135.8	0.090	2	1.38	0.022	0.11	0.6	4.8	0.12	<0.02	23	0.3	<0.02	4.3		
21JM004S	Silt	0.079	20.3	24.5	0.61	151.0	0.106	4	1.70	0.024	0.10	1.3	6.1	0.16	0.03	125	0.5	<0.02	5.0		
21JM005S	Silt	0.085	12.3	23.0	0.56	113.5	0.095	1	1.30	0.031	0.08	0.3	4.4	0.07	<0.02	20	0.2	<0.02	3.8		
21JM006S	Silt	0.076	13.6	23.4	0.52	118.6	0.099	<1	1.38	0.023	0.06	0.7	4.3	0.09	<0.02	47	0.2	<0.02	4.1		
21JM007S	Silt	0.078	12.9	26.4	0.58	138.0	0.097	2	1.44	0.026	0.06	0.4	4.4	0.09	<0.02	50	0.3	0.04	4.4		
21JM008S	Silt	0.070	14.7	24.0	0.53	155.2	0.112	<1	1.42	0.025	0.06	0.9	4.1	0.15	<0.02	32	<0.1	<0.02	4.6		
21JM009S	Silt	0.078	20.8	26.3	0.66	224.6	0.110	2	1.93	0.023	0.24	0.3	7.4	0.26	<0.02	43	0.4	<0.02	5.9		
21JM010S	Silt	0.061	26.6	34.2	0.70	245.8	0.123	2	2.25	0.022	0.24	0.7	7.6	0.35	0.03	88	0.5	<0.02	6.8		
21JM011S	Silt	0.079	15.5	23.9	0.52	126.7	0.106	2	1.29	0.029	0.07	0.6	4.2	0.07	<0.02	34	0.1	0.04	3.8		
21JM012S	Silt	0.060	10.3	22.6	0.48	131.2	0.089	1	1.53	0.024	0.05	0.4	3.9	0.08	0.03	42	0.3	<0.02	4.2		
21JM013S	Silt	0.074	19.4	23.5	0.55	139.3	0.100	<1	1.69	0.028	0.08	0.4	4.1	0.10	0.02	37	0.5	<0.02	4.9		
21JM014S	Silt	0.071	16.7	27.8	0.55	159.6	0.117	<1	1.71	0.025	0.09	0.5	4.3	0.13	<0.02	26	0.4	<0.02	5.7		
21JM015S	Silt	0.066	40.4	25.7	0.55	149.4	0.111	2	1.93	0.023	0.11	0.3	5.5	0.15	0.03	43	0.7	0.02	5.7		
21JM016S	Silt	0.074	15.7	26.7	0.52	122.2	0.112	2	1.58	0.026	0.06	0.4	3.9	0.10	<0.02	47	0.4	0.03	4.7		
21JM017S	Silt	0.069	12.8	22.9	0.52	120.1	0.121	2	1.49	0.027	0.06	0.4	3.9	0.09	<0.02	26	0.3	<0.02	4.6	40	1.0
21JM018S	Silt	0.075	20.5	29.9	0.63	148.5	0.119	4	1.80	0.038	0.08	0.3	5.0	0.10	0.02	32	0.7	0.03	5.3		
21JM019S	Silt	0.059	18.2	25.6	0.50	120.3	0.106	3	1.73	0.022	0.07	0.3	4.2	0.11	<0.02	36	0.6	<0.02	5.7		
21JM020S	Silt	0.072	17.9	24.7	0.59	140.6	0.117	3	1.59	0.037	0.08	0.3	4.3	0.09	<0.02	25	<0.1	<0.02	4.8		
21JM021S	Silt	0.080	12.9	28.7	0.63	135.7	0.129	3	1.55	0.047	0.08	0.2	4.9	0.06	<0.02	29	0.5	0.03	4.6		
21JM022S	Silt	0.082	15.3	26.8	0.64	145.4	0.115	2	1.47	0.035	0.12	0.4	5.2	0.11	<0.02	24	0.4	0.03	4.4		
21JM023S	Silt	0.082	12.0	28.7	0.63	137.4	0.112	4	1.40	0.041	0.09	0.2	4.4	0.07	<0.02	25	0.7	<0.02	4.1		
21JM024S	Silt	0.077	13.3	29.3	0.59	142.9	0.103	2	1.49	0.028	0.08	0.8	5.1	0.13	0.02	36	0.5	<0.02	4.5		
21JM025S	Silt	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.



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# CERTIFICATE OF ANALYSIS

WHI21000563.2

Method	FA130	
Analyte	Pd	
Unit	ppb	
MDL	0.5	
21JM002S	Silt	
21JM003S	Silt	
21JM004S	Silt	
21JM005S	Silt	
21JM006S	Silt	
21JM007S	Silt	
21JM008S	Silt	
21JM009S	Silt	
21JM010S	Silt	
21JM011S	Silt	
21JM012S	Silt	
21JM013S	Silt	
21JM014S	Silt	
21JM015S	Silt	
21JM016S	Silt	
21JM017S	Silt	3.0
21JM018S	Silt	
21JM019S	Silt	
21JM020S	Silt	
21JM021S	Silt	
21JM022S	Silt	
21JM023S	Silt	
21JM024S	Silt	
21JM025S	Silt	



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# QUALITY CONTROL REPORT

WHI21000563.2

Method	WGHT	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.01	0.01	0.01	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	
Pulp Duplicates																					
21JM020S	Silt	1.42	1.22	15.91	7.32	57.4	82	17.2	8.8	376	2.27	3.8	13.1	1.8	4.7	54.6	0.16	0.30	0.34	54	0.76
REP 21JM020S	QC		1.26	15.15	7.01	56.4	80	16.4	8.5	363	2.19	3.6	12.8	3.2	4.3	53.7	0.13	0.27	0.37	51	0.73
Reference Materials																					
STD DS11	Standard		14.34	142.79	134.13	330.2	1686	76.3	13.0	1026	3.10	42.4	2.6	72.8	9.1	69.3	2.22	8.79	12.22	47	1.06
STD OREAS262	Standard		0.63	113.74	57.19	150.1	455	63.8	28.3	553	3.28	36.3	1.3	63.6	10.4	38.4	0.63	5.09	1.07	22	3.00
STD OREAS47	Standard																				
STD PD05	Standard																				
STD DS11 Expected			14.6	149	138	345	1710	77.7	14.2	1055	3.1	42.8	2.59	79	7.65	67.3	2.37	8.74	12.2	50	1.063
STD OREAS262 Expected			0.68	118	56	154	450	62	26.9	530	3.284	35.8	1.22	65	9.33	36	0.61	5.06	1.03	22.5	2.98
STD PD05 Expected																					
STD OREAS47 Expected																					
BLK	Blank		<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
BLK	Blank																				



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# QUALITY CONTROL REPORT

WHI21000563.2

Method	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	AQ252	FA130	FA130	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Au	Pt	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppb	ppb	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	1	0.1	
Pulp Duplicates																					
21JM020S	Silt	0.072	17.9	24.7	0.59	140.6	0.117	3	1.59	0.037	0.08	0.3	4.3	0.09	<0.02	25	<0.1	<0.02	4.8		
REP 21JM020S	QC	0.070	16.8	24.8	0.58	138.0	0.110	<1	1.54	0.035	0.08	0.3	4.1	0.09	<0.02	32	0.3	0.03	4.6		
Reference Materials																					
STD DS11	Standard	0.069	18.4	57.0	0.83	354.2	0.090	9	1.13	0.075	0.40	2.8	3.1	4.80	0.27	266	2.2	4.38	4.8		
STD OREAS262	Standard	0.039	18.7	44.2	1.17	255.2	0.003	7	1.31	0.069	0.31	0.2	3.8	0.46	0.26	156	0.3	0.24	3.7		
STD OREAS47	Standard																			42	30.7
STD PD05	Standard																			523	459.3
STD DS11 Expected		0.0701	18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	3.4	4.9	0.2835	260	2.2	4.56	5.1		
STD OREAS262 Expected		0.04	15.9	41.7	1.17	248	0.0027	4	1.3	0.071	0.312	0.2	3.24	0.47	0.253	170	0.4	0.23	4.1		
STD PD05 Expected																				519	430
STD OREAS47 Expected																				44.7	30
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1		
BLK	Blank																			4	0.4



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# QUALITY CONTROL REPORT

# WHI21000563.2

Method	FA130
Analyte	Pd
Unit	ppb
MDL	0.5
Pulp Duplicates	
21JM020S Silt	
REP 21JM020S QC	
Reference Materials	
STD DS11 Standard	
STD OREAS262 Standard	
STD OREAS47 Standard	43.7
STD PD05 Standard	613.3
STD DS11 Expected	
STD OREAS262 Expected	
STD PD05 Expected	596
STD OREAS47 Expected	44.2
BLK Blank	
BLK Blank	1.5