



ALS Canada Ltd.
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To: BAFFINLAND IRON MINES CORPORATION
2275 UPPER MIDDLE ROAD EAST
SUITE 300
OAKVILLE ON L6H 0C3

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Total # Pages: 3 (A)
Plus Appendix Pages
Finalized Date: 12-JAN-2022
Account: BIMCIO

Project: Pulps for ABA

CERTIFICATE OF ANALYSIS VA21319700

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	OA-VOL08 MPA tCaCO ₃ /lkt 0.3	OA-VOL08 FIZZ RAT Unity 1	OA-VOL08 NNP tCaCO ₃ /lkt 1	OA-VOL08 NP tCaCO ₃ /lkt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 Ratio (N) Unity 0.01	S-IR08 S % 0.01	S-GRA06 S % 0.01	S-GRA06a S % 0.01	S-CAL06 S % 0.01	C-GAS05 C % 0.05	C-GAS05 CO ₂ % 0.2
B625066		0.46	1.9	1	17	19	9.0	10.13	0.06	<0.01	0.02	0.06	<0.05	<0.2
B625067		0.34	0.6	1	19	20	8.8	32.00	0.02	<0.01	<0.01	0.02	<0.05	<0.2
B625068		0.30	0.6	1	26	27	8.7	43.20	0.02	<0.01	0.02	0.02	<0.05	<0.2
B625069		0.32	0.3	1	16	16	9.8	51.20	0.01	<0.01	0.02	0.01	<0.05	<0.2
B625070		0.44	1.3	1	13	14	9.2	11.20	0.04	<0.01	<0.01	0.04	<0.05	<0.2
B625071		0.36	1.3	1	17	18	9.0	14.40	0.04	<0.01	<0.01	0.04	<0.05	<0.2
B625072		0.38	0.3	1	20	20	9.6	64.00	0.01	<0.01	0.02	0.01	<0.05	<0.2
B625073		0.36	<0.3	1	28	28	8.4	179.20	<0.01	<0.01	0.01	<0.01	<0.05	<0.2
B625074		0.42	0.6	1	20	21	8.6	33.60	0.02	<0.01	0.02	0.02	<0.05	<0.2
B625075		0.42	<0.3	2	63	63	8.3	403.2	<0.01	<0.01	0.01	<0.01	<0.05	<0.2
B625076		0.36	0.3	1	35	35	8.1	112.00	0.01	<0.01	0.03	0.01	<0.05	<0.2
B625077		0.34	17.5	1	12	29	8.1	1.66	0.56	<0.01	0.05	0.56	<0.05	<0.2
B625078		0.38	0.3	2	66	66	8.1	211.2	0.01	<0.01	0.01	0.01	<0.05	<0.2
B625079		0.40	3.8	1	23	27	7.9	7.20	0.12	<0.01	<0.01	0.12	<0.05	<0.2
B625080		0.30	<0.3	1	12	12	8.8	76.80	<0.01	<0.01	<0.01	<0.01	<0.05	<0.2
B625081		0.34	2.2	1	27	29	8.6	13.26	0.07	<0.01	0.01	0.07	0.07	0.3
B625082		0.40	<0.3	1	13	13	8.8	83.20	<0.01	<0.01	<0.01	<0.01	<0.05	<0.2
B625083		0.40	<0.3	1	20	20	8.7	128.00	<0.01	<0.01	<0.01	<0.01	<0.05	<0.2
B625084		0.46	0.6	1	18	19	8.2	30.40	0.02	<0.01	<0.01	0.02	<0.05	<0.2
B625085		0.48	<0.3	1	25	25	9.5	160.00	<0.01	<0.01	<0.01	<0.01	<0.05	<0.2
B625086		0.52	0.3	1	20	20	9.0	64.00	0.01	<0.01	0.02	0.01	<0.05	<0.2
B625087		0.50	<0.3	1	19	19	9.5	121.60	<0.01	<0.01	0.01	<0.01	<0.05	<0.2
B625088		0.46	<0.3	1	16	16	9.3	102.40	<0.01	<0.01	<0.01	<0.01	<0.05	<0.2
B625089		0.44	<0.3	1	17	17	8.7	108.80	<0.01	<0.01	<0.01	<0.01	<0.05	<0.2
B625090		0.48	<0.3	1	15	15	8.7	96.00	<0.01	<0.01	0.01	<0.01	<0.05	<0.2
B625091		0.40	<0.3	1	18	18	8.4	115.20	<0.01	<0.01	<0.01	<0.01	<0.05	<0.2
B625092		0.58	0.6	1	23	24	8.6	38.40	0.02	<0.01	<0.01	0.02	<0.05	<0.2
B625093		0.60	0.3	1	17	17	7.8	54.40	0.01	<0.01	<0.01	0.01	<0.05	<0.2
B625094		0.34	5.6	2	57	63	8.2	11.20	0.18	<0.01	<0.01	0.18	<0.05	<0.2
B625095		0.38	<0.3	2	55	55	8.3	352.0	<0.01	<0.01	<0.01	<0.01	<0.05	<0.2
B625096		0.50	4.4	1	19	23	7.6	5.26	0.14	<0.01	0.02	0.14	<0.05	<0.2
B625097		0.50	0.6	1	33	34	8.1	54.40	0.02	<0.01	0.01	0.02	<0.05	<0.2
B625098		0.38	<0.3	1	18	18	8.6	115.20	<0.01	<0.01	<0.01	<0.01	<0.05	<0.2
B625099		0.36	0.6	1	3.7	18	8.2	28.80	0.02	<0.01	<0.01	0.02	<0.05	<0.2
B625100		0.48	0.3	1	24	24	8.4	76.80	0.01	<0.01	<0.01	0.01	<0.05	<0.2
B625101		0.36	2.5	1	24	26	8.7	10.40	0.08	<0.01	<0.01	0.08	<0.05	<0.2
B625102		0.36	1.9	1	3.7	19	8.9	10.13	0.06	<0.01	<0.01	0.06	<0.05	<0.2
B625103		0.34	0.3	1	15	15	9.0	48.00	0.01	<0.01	<0.01	0.01	<0.05	<0.2
B625104		0.38	0.3	1	16	16	9.3	51.20	0.01	<0.01	0.01	0.01	<0.05	<0.2
B625105		0.32	4.1	1	17	21	9.0	5.17	0.13	<0.01	<0.01	0.13	<0.05	<0.2



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Plus Appendix Pages
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Account: BIMCIO

Project: Pulps for ABA

CERTIFICATE OF ANALYSIS VA21319700

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	OA-VOL08 MPA tCaCO ₃ /1kt 0.3	OA-VOL08 FIZZ RAT Unity 1	OA-VOL08 NNP tCaCO ₃ /1kt 1	OA-VOL08 NP tCaCO ₃ /1kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 Ratio (N Unity 0.01	S-IR08 S % 0.01	S-GRA06 S % 0.01	S-GRA06a S % 0.01	S-CAL06 S % 0.01	C-GAS05 C % 0.05	C-GAS05 CO ₂ % 0.2
B625106		0.36	0.3	1	27	27	8.0	86.40	0.01	<0.01	<0.01	0.01	<0.05	<0.2
B625107		0.40	0.3	1	14	14	9.0	44.80	0.01	<0.01	<0.01	0.01	<0.05	<0.2
B625108		0.32	0.6	1	16	17	9.0	27.20	0.02	<0.01	<0.01	0.02	<0.05	<0.2
B625109		0.42	0.9	1	13	14	9.4	14.93	0.03	0.01	<0.01	0.02	<0.05	<0.2
B625110		0.44	0.3	1	15	15	8.6	48.00	0.01	<0.01	<0.01	0.01	<0.05	<0.2
B625111		0.46	0.6	1	16	17	8.6	27.20	0.02	<0.01	0.01	0.02	<0.05	<0.2



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CERTIFICATE OF ANALYSIS	VA21319700
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CERTIFICATE COMMENTS	
Applies to Method:	<div>LABORATORY ADDRESSES</div> <div>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</div> <div><div>BAG-01 OA-VOL08 S-GRA06 WEI-21</div><div>C-GAS05 PUL-32p S-GRA06a</div><div>LOG-23 PUL-QC S-IR08</div><div>OA-ELE07 S-CAL06 SPL-34</div></div>



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CERTIFICATE VA21326970

Project: Pulp for ABA
P.O. No.: 4500092191

This report is for 56 samples of Pulp submitted to our lab in Vancouver, BC, Canada on 21-OCT-2021.

The following have access to data associated with this certificate:

TREVOR BRISCO
PAUL DAWE
FRED LAWRENCE
HAYLEY POTHIER
JUSTIN TUPPER

PAUL BRYDEN
JASON DUFF
JORDON MARSH
JACOB PRINCE
WARRICK WILLIAMS

JASON CHIASSON
SIMON FLEURY
SHAHE NACCASHIAN
MATTHEW TRACEY

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis
SND-01	Send samples to external laboratory

ANALYTICAL PROCEDURES	
ALS CODE	DESCRIPTION
OA-SFE01	Shake Flask Analysis at ALSE
MST4L-ANPH	Anions by ion chromatography
	ICP-MS

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver



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CERTIFICATE OF ANALYSIS VA21326970

Sample Description	Method Analyte Units LOD	OA-SFE01 Ag mg/L 0.00005	OA-SFE01 Al mg/L 0.005	OA-SFE01 As mg/L 0.001	OA-SFE01 B mg/L 0.01	OA-SFE01 Ba mg/L 0.001	OA-SFE01 Be mg/L 0.0005	OA-SFE01 Bi mg/L 0.0005	OA-SFE01 Ca mg/L 0.1	OA-SFE01 Cd mg/L 0.00005	OA-SFE01 Co mg/L 0.0001	OA-SFE01 Cr mg/L 0.0005	OA-SFE01 Cu mg/L 0.001	OA-SFE01 Fe mg/L 0.03	OA-SFE01 Hg mg/L 0.00005	OA-SFE01 K mg/L 0.05
B625001		<0.00005	0.054	<0.001	0.01	<0.001	<0.0005	<0.0005	0.6	<0.00005	<0.0001	0.0035	<0.001	0.05	<0.00005	0.08
B625002		<0.00005	0.999	<0.001	0.04	0.006	<0.0005	<0.0005	0.2	<0.0001	0.0001	<0.0005	<0.001	0.65	<0.00005	79.10
B625003		<0.00005	0.166	<0.001	0.02	<0.001	<0.0005	<0.0005	0.9	<0.00005	<0.0001	0.0017	<0.001	<0.03	<0.00005	0.17
B625004		<0.00005	0.080	<0.001	<0.01	<0.001	<0.0005	<0.0005	0.5	<0.00005	<0.0001	0.0010	<0.001	0.04	<0.00005	<0.05
B625005		<0.00005	31.500	<0.001	0.23	0.493	0.0019	<0.0005	0.5	<0.00005	0.0069	0.0060	0.007	25.70	<0.00005	82.30
B625006		<0.00005	0.418	<0.001	0.14	0.021	<0.0005	<0.0005	3.3	<0.00005	<0.0001	<0.0005	<0.001	0.06	<0.00005	82.80
B625007		<0.00005	19.900	<0.001	0.31	0.219	0.0016	<0.0005	0.5	<0.00005	0.0038	0.0128	0.005	12.50	<0.00005	52.40
B625008		0.00007	14.400	0.001	0.14	0.126	0.00016	<0.0005	0.3	<0.00005	0.0033	0.0014	0.009	8.05	<0.00005	29.40
B625009		0.00008	42.200	0.001	0.22	0.203	0.00015	<0.0005	0.4	<0.00005	0.0035	0.0032	0.031	13.50	<0.00005	47.10
B625010		<0.00005	18.200	<0.001	0.16	0.192	<0.0005	<0.0005	0.3	<0.00005	0.0029	0.0046	0.003	8.59	<0.00005	32.80
B625011		<0.00005	0.032	<0.001	<0.01	<0.001	<0.0005	<0.0005	2.3	<0.00005	<0.0001	<0.0005	<0.001	<0.03	<0.00005	3.86
B625012		<0.00005	0.322	<0.001	<0.01	<0.001	<0.0005	<0.0005	<0.1	<0.00005	<0.0001	<0.0005	<0.001	<0.03	<0.00005	<0.05
B625013		<0.00005	0.375	<0.001	0.04	0.010	<0.0005	<0.0005	2.8	<0.00005	<0.0001	<0.0005	<0.001	<0.03	<0.00005	99.40
B625014		<0.00005	0.098	<0.001	0.02	0.014	<0.0005	<0.0005	54.7	<0.00005	0.0002	<0.0005	<0.001	<0.03	<0.00005	4.98
B625015		<0.00005	6.310	<0.001	0.06	0.059	<0.0005	<0.0005	0.2	<0.00005	0.0010	0.0007	0.001	5.01	<0.00005	52.00
B625016		<0.00005	0.997	<0.001	0.09	0.018	<0.0005	<0.0005	4.5	<0.00005	0.0003	<0.0005	0.002	0.85	<0.00005	28.20
B625017		<0.00005	0.293	<0.001	0.10	0.027	<0.0005	<0.0005	5.9	<0.00005	<0.0001	<0.0005	<0.001	<0.03	<0.00005	37.80
B625018		<0.00005	0.064	<0.001	0.08	0.004	<0.0005	<0.0005	0.6	<0.00005	<0.0001	<0.0005	<0.001	<0.03	<0.00005	3.59
B625019		<0.00005	1.430	<0.001	0.24	0.036	<0.0005	<0.0005	0.6	<0.00005	0.0002	<0.0005	<0.001	0.71	<0.00005	87.90
B625020		<0.00005	12.700	<0.001	0.25	0.081	0.0008	<0.0005	1.2	<0.00005	0.0025	0.0034	0.001	6.94	<0.00005	26.30
B625021		<0.00005	0.501	<0.001	0.02	0.008	<0.0005	<0.0005	1.9	<0.00005	<0.0001	<0.0005	<0.001	<0.03	<0.00005	21.40
B625022		<0.00005	0.074	<0.001	0.17	0.004	<0.0005	<0.0005	0.6	<0.00005	<0.0001	<0.0005	<0.001	<0.03	<0.00005	16.90
B625023		<0.00005	0.287	<0.001	0.06	0.001	<0.0005	<0.0005	<0.1	<0.00005	<0.0001	0.0027	<0.001	<0.03	<0.00005	5.54
B625024		<0.00005	0.194	<0.001	0.12	<0.001	<0.0005	<0.0005	1.0	<0.00005	<0.0001	0.0007	<0.001	<0.03	<0.00005	7.97
B625025		<0.00005	0.234	<0.001	0.59	0.003	<0.0005	<0.0005	0.3	<0.00005	<0.0001	<0.0005	<0.001	<0.03	<0.00005	42.20
B625026		<0.00005	0.164	<0.001	0.09	0.001	<0.0005	<0.0005	1.9	<0.00005	<0.0001	0.0039	<0.001	<0.03	<0.00005	14.10
B625027		0.00009	14.000	0.001	0.09	0.148	0.0011	0.0057	0.3	<0.00005	0.0038	0.0135	0.065	11.30	<0.00005	63.30
B625028		<0.00005	18.000	<0.001	0.28	0.186	0.0009	<0.0005	0.4	<0.00005	0.0034	0.0421	0.010	8.47	<0.00005	35.90
B625029		<0.00005	95.000	<0.01	0.50	0.283	0.0053	<0.005	1.3	<0.00005	0.0086	0.0136	<0.01	29.10	<0.00005	99.90
B625039		<0.00003	40.000	<0.005	0.42	0.134	<0.003	<0.003	0.8	<0.0003	0.0038	0.0059	0.055	14.50	<0.00005	53.10
B625040		0.02050	40.500	0.103	0.87	0.540	0.2330	0.0512	21.7	0.02020	0.1050	0.2150	0.129	31.10	<0.00005	80.20
B625041		0.00069	90.000	<0.01	0.43	0.382	0.0056	0.0085	<1	<0.0005	0.0110	0.0280	0.175	36.20	<0.00005	84.80
B625042		<0.00005	0.314	<0.001	0.01	0.001	<0.0005	<0.0005	0.4	<0.00005	<0.0001	0.0092	<0.001	<0.03	<0.00005	14.90
B625043		<0.00005	0.064	<0.001	0.11	0.001	<0.0005	<0.0005	1.8	<0.00005	<0.0001	<0.0005	<0.001	<0.03	<0.00005	12.70
B625044		<0.00005	0.045	<0.001	0.09	0.005	<0.0005	<0.0005	1.6	<0.00005	<0.0001	<0.0005	<0.001	<0.03	<0.00005	18.90
B625045		<0.00005	0.130	<0.001	0.05	0.001	<0.0005	<0.0005	0.4	<0.00005	<0.0001	<0.0005	<0.001	<0.03	<0.00005	11.50
B625046		<0.00005	0.301	<0.001	0.06	0.003	<0.0005	<0.0005	0.9	<0.00005	<0.0001	<0.0005	<0.001	0.04	<0.00005	45.00
B625047		<0.0001	21.300	<0.002	0.17	0.152	0.0011	<0.001	0.2	<0.0001	0.0033	0.0023	0.005	19.40	<0.00005	72.50
B625048		<0.00005	0.227	<0.001	0.07	<0.001	<0.0005	<0.0005	1.3	<0.00005	<0.0001	0.0014	<0.001	<0.03	<0.00005	1.58
B625049		<0.0003	50.200	<0.005	0.27	0.377	0.0025	<0.003	0.5	<0.0003	0.0099	0.0060	0.015	49.60	<0.00005	72.40



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Sample Description	Method Analyte Units LOD	OA-SFE01 Li mg/L 0.005	OA-SFE01 Mg mg/L 0.05	OA-SFE01 Mn mg/L 0.0005	OA-SFE01 Mo mg/L 0.0001	OA-SFE01 Moisture % 0.3	OA-SFE01 Na mg/L 0.05	OA-SFE01 Ni mg/L 0.0005	OA-SFE01 Pb mg/L 0.0001	OA-SFE01 P mg/L 0.3	OA-SFE01 Sb mg/L 0.0001	OA-SFE01 Se mg/L 0.0005	OA-SFE01 Si mg/L 0.05	OA-SFE01 Sn mg/L 0.0005	OA-SFE01 Sr mg/L 0.0005	OA-SFE01 Ti mg/L 0.01
B625001		0.005	40.40	0.0063	0.0049	<0.3	<0.05	<0.0005	<0.0001	<0.3	<0.0001	0.0011	5.65	<0.0005	<0.0005	<0.01
B625002		<0.005	6.29	0.0015	0.1280	<0.3	6.76	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	2.79	<0.0005	0.0027	<0.01
B625003		<0.005	19.90	0.0010	0.0107	<0.3	0.16	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	2.16	<0.0005	0.0013	<0.01
B625004		<0.005	24.80	0.0018	0.0029	<0.3	<0.05	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	3.48	<0.0005	<0.0005	<0.01
B625005		0.039	14.80	0.2190	0.0056	<0.3	5.88	0.0095	0.0030	0.4	0.0002	<0.0005	39.20	<0.0005	0.0066	1.14
B625006		0.055	9.67	0.0026	0.0184	<0.3	7.54	<0.0005	<0.0001	<0.3	0.0002	0.0007	2.34	<0.0005	0.0144	<0.01
B625007		0.042	8.42	0.0914	0.0015	<0.3	5.47	0.0065	0.0018	<0.3	0.0001	<0.0005	27.50	<0.0005	0.0073	0.51
B625008		0.019	6.60	0.1260	0.0016	<0.3	3.98	0.0036	0.0033	<0.3	0.0002	<0.0005	19.70	<0.0005	0.0054	0.13
B625009		0.010	13.00	0.1440	0.0023	0.6	3.25	0.0034	0.0038	0.4	0.0001	<0.0005	75.40	0.0005	0.0067	0.53
B625010		0.043	5.57	0.0963	0.0031	<0.3	2.96	0.0037	0.0057	<0.3	0.0002	<0.0005	24.10	<0.0005	0.0104	0.38
B625011		<0.005	72.80	0.0316	0.0141	<0.3	0.57	<0.0005	<0.0001	<0.3	<0.0001	0.0039	4.42	<0.0005	0.0019	<0.01
B625012		<0.005	36.60	0.0047	0.0520	<0.3	<0.05	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	1.54	<0.0005	<0.0005	<0.01
B625013		0.006	12.40	0.0073	0.0047	<0.3	7.10	<0.0005	<0.0001	<0.3	0.0001	<0.0005	2.04	<0.0005	0.0062	<0.01
B625014		<0.005	89.90	0.0330	0.0121	<0.3	1.07	0.0006	<0.0001	<0.3	<0.0001	<0.0005	2.20	<0.0005	0.5220	<0.01
B625015		<0.005	5.48	0.0536	0.0919	<0.3	3.11	0.0011	0.0005	<0.3	0.0005	<0.0010	10.10	<0.0005	0.0049	0.14
B625016		0.011	9.70	0.0151	0.0081	<0.3	7.54	0.0012	0.0001	<0.3	<0.0001	0.0007	4.36	<0.0005	0.0059	0.02
B625017		0.009	28.50	0.0098	0.0151	<0.3	4.78	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	1.73	<0.0005	0.0078	<0.01
B625018		<0.005	67.80	0.0184	0.0087	<0.3	0.95	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	2.96	<0.0005	0.0038	<0.01
B625019		0.061	3.97	0.0056	0.0056	<0.3	7.74	<0.0005	<0.0001	<0.3	<0.0001	0.0010	3.50	<0.0005	0.0032	0.04
B625020		0.035	8.31	0.0395	0.0030	<0.3	5.13	0.0058	0.0013	<0.3	<0.0001	<0.0005	18.50	<0.0005	0.0042	0.11
B625021		<0.005	38.80	0.0032	0.0145	<0.3	0.55	<0.0005	<0.0001	<0.3	<0.0001	0.0007	1.27	<0.0005	0.0015	<0.01
B625022		0.014	19.90	0.0058	0.0096	<0.3	3.64	<0.0005	<0.0001	<0.3	<0.0001	0.0022	4.20	<0.0005	0.0047	<0.01
B625023		<0.005	29.10	0.0017	0.0005	<0.3	0.42	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	1.65	<0.0005	0.0009	<0.01
B625024		0.006	14.50	0.0026	0.0006	<0.3	5.03	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	1.64	<0.0005	0.0081	<0.01
B625025		0.018	12.20	0.0033	0.0007	<0.3	3.56	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	2.42	<0.0005	0.0032	<0.01
B625026		<0.005	16.50	0.0062	0.0004	<0.3	11.40	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	1.99	<0.0005	0.0120	<0.01
B625027		0.021	5.92	0.0780	0.0520	<0.3	6.73	0.0078	0.0036	0.3	0.0003	0.0012	19.50	0.0018	0.0027	0.57
B625028		0.074	7.98	0.0740	0.0119	0.5	2.86	0.0129	0.0027	<0.3	0.0001	<0.0005	26.20	<0.0005	0.0081	0.30
B625029		0.053	30.40	0.1920	0.0350	<0.3	5.29	0.0166	0.0107	<3	<0.001	<0.005	123.00	<0.005	0.0135	0.83
B625039		0.052	12.10	0.0964	0.0050	<0.3	2.72	0.0047	0.0018	<2	<0.0005	<0.003	56.10	<0.003	0.0097	0.34
B625040		0.679	20.80	0.2710	0.1080	<0.3	14.80	0.2140	0.1140	51.3	0.1030	0.1990	106.00	0.0986	0.1170	1.10
B625041		0.109	29.00	0.4450	0.0512	<0.3	5.64	0.0204	0.0082	<3	<0.001	<0.005	135.00	<0.005	0.0142	1.22
B625042		0.011	28.00	0.0057	0.0177	<0.3	0.40	<0.0005	<0.0001	<0.3	<0.0001	0.0009	2.55	<0.0005	0.0010	<0.01
B625043		0.007	29.70	0.0070	0.0122	<0.3	10.40	<0.0005	<0.0001	<0.3	<0.0001	0.0010	3.05	<0.0005	0.0091	<0.01
B625044		0.010	52.40	0.0259	0.0158	<0.3	6.14	<0.0005	<0.0001	<0.3	<0.0001	0.0008	3.42	<0.0005	0.0086	<0.01
B625045		<0.005	29.40	0.0027	0.0365	<0.3	1.12	<0.0005	<0.0001	<0.3	<0.0001	0.0007	2.24	<0.0005	0.0021	<0.01
B625046		<0.005	10.60	0.0013	0.0565	<0.3	2.69	<0.0005	<0.0001	<0.3	<0.0001	0.0005	2.06	<0.0005	0.0065	<0.01
B625047		0.020	11.00	0.1200	0.0462	<0.3	5.51	0.0039	0.0012	<0.6	<0.002	<0.001	30.80	<0.001	0.0105	0.51
B625048		<0.005	16.70	0.0023	0.0021	<0.3	0.93	<0.0005	<0.0001	<0.3	<0.0001	0.0041	1.57	<0.0005	0.0017	<0.01
B625049		0.069	22.30	0.1510	0.0464	<0.3	5.20	0.0168	0.0032	<2	<0.0005	<0.003	66.20	<0.003	0.0147	1.64



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To: BAFFINLAND IRON MINES CORPORATION
2275 UPPER MIDDLE ROAD EAST
SUITE 300
OAKVILLE ON L6H 0C3

Page: 2 – C
Total # Pages: 3 (A – C)
Plus Appendix Pages
Finalized Date: 11-FEB-2022
Account: BIMCIO

Project: Pulps for ABA

CERTIFICATE OF ANALYSIS VA21326970

Sample Description	Method Analyte Units LOD	OA-SFE01 TI ppm 0.0001	OA-SFE01 U mg/L 0.00001	OA-SFE01 V mg/L 0.001	OA-SFE01 Zn mg/L 0.01	OA-SFE01 Hardness mg/L CaCO3e 0.6	OA-SFE01 Final pH Unity 0.1	MS14L-ANPH Br mg/L 0.05	MS14L-ANPH Cl mg/L 0.5	F mg/L 0.02	NO3 (as mg/L 0.005	SO4 mg/L 0.5	TDS mg/L 3	Conducti uS/cm 2	Alkalini mg/L CaCO3e 1
B625001		<0.0001	<0.00001	0.001	<0.01	168.0	8.3	<0.05	2.9	0.80	0.881	1.3	151	282	141
B625002		<0.0001	0.00014	<0.001	<0.01	26.5	9.0	<0.05	5.9	1.47	0.106	1.6	182	293	117
B625003		<0.0001	<0.00001	<0.001	<0.01	84.2	8.1	<0.05	3.7	0.50	0.216	2.6	73	152	63
B625004		<0.0001	<0.00001	<0.001	<0.01	103.0	8.0	<0.05	1.8	0.69	0.112	0.7	90	182	85
B625005		0.0004	0.00099	0.045	0.03	62.2	9.5	<0.05	1.9	2.18	0.134	1.9	326	227	86
B625006		<0.0001	0.00010	0.002	<0.01	48.1	7.7	<0.05	1.8	0.98	0.110	136.0	262	406	21
B625007		0.0002	0.00113	0.027	0.02	35.8	9.2	<0.05	2.2	1.50	0.110	1.5	212	157	55
B625008		0.0001	0.00526	0.011	0.02	27.8	8.9	<0.05	1.1	1.15	0.088	1.1	144	91	41
B625009		0.0003	0.00319	0.040	0.01	54.6	9.1	<0.3	2.6	1.21	0.112	1.8	346	100	27
B625010		0.0001	0.00094	0.024	0.01	23.6	8.7	<0.07	0.8	0.84	0.075	0.8	164	101	45
B625011		<0.0001	<0.00001	<0.001	<0.01	306	7.6	<0.3	1.9	0.26	0.112	245	374	627	57
B625012		<0.0001	0.00002	<0.001	<0.01	151.0	8.0	<0.3	2.6	0.52	0.055	55.8	151	300	85
B625013		<0.0001	0.00007	<0.001	<0.01	58.0	7.7	<0.2	4.2	1.35	0.067	138.0	297	498	43
B625014		<0.0001	0.00003	<0.001	<0.01	507	7.2	<0.3	120.0	0.25	0.167	324	619	1050	28
B625015		<0.0001	0.00019	0.005	<0.01	23.1	8.1	<0.2	2.2	0.90	1.860	3.8	152	204	61
B625016		<0.0001	0.00030	0.002	<0.01	51.2	7.7	<0.1	16.2	0.99	0.095	21.6	130	231	45
B625017		<0.0001	0.00008	<0.001	<0.01	132.0	7.7	<0.3	3.0	1.05	0.065	137.0	251	432	47
B625018		<0.0001	<0.00001	<0.001	<0.01	281	7.1	<0.2	2.4	0.17	0.135	261	358	597	22
B625019		<0.0001	0.00011	0.011	<0.01	17.8	7.9	<0.1	3.9	1.62	0.054	96.2	238	387	41
B625020		<0.0001	0.00074	0.006	<0.01	37.2	7.9	<0.07	4.8	1.01	0.063	2.1	147	133	47
B625021		<0.0001	0.00012	<0.001	<0.01	164.0	7.9	<0.2	6.3	0.94	0.034	125.0	235	417	61
B625022		<0.0001	0.00001	<0.001	<0.01	83.4	7.4	<0.4	2.7	0.53	0.137	27.8	114	233	49
B625023		<0.0001	<0.00001	<0.001	<0.01	120.0	8.0	<0.3	4.9	0.79	0.101	26.7	122	263	82
B625024		<0.0001	<0.00001	<0.001	<0.01	62.1	7.9	<0.08	13.5	0.62	0.041	<0.5	81	176	55
B625025		<0.0001	<0.00001	<0.001	<0.01	51.1	7.7	<0.2	11.3	0.77	0.098	23.7	134	258	54
B625026		<0.0001	<0.00001	<0.001	<0.01	72.7	8.1	<0.1	17.4	0.61	0.071	<0.5	115	241	79
B625027		0.0002	0.00407	0.035	0.02	25.0	8.7	<0.05	2.5	4.65	0.096	14.2	219	228	72
B625028		0.0001	0.00076	0.021	0.02	33.7	8.9	<0.3	2.8	0.83	0.083	2.1	170	114	31
B625029		<0.0001	0.00281	0.030	<0.1	128.0	8.4	<2	3.2	1.68	1.560	2.2	645	207	61
B625039		<0.0005	0.00160	0.018	<0.05	51.8	8.1	<1	2.8	0.94	0.090	1.5	305	136	40
B625040		0.0196	0.02320	0.535	2.11	140.0	8.3	<2	2.9	1.17	0.112	1.9	531	151	43
B625041		<0.001	0.00556	0.071	0.10	119.0	8.7	<0.5	2.0	2.78	0.069	1.1	654	155	59
B625042		<0.0001	<0.00001	0.002	<0.01	116.0	8.4	<2	2.8	1.02	0.073	10.7	124	248	97
B625043		<0.0001	<0.00001	<0.001	<0.01	127.0	7.9	<0.3	19.5	0.85	0.176	58.0	170	331	46
B625044		<0.0001	<0.00001	<0.001	<0.01	220	7.3	<0.5	5.4	0.44	0.091	197.0	305	505	22
B625045		<0.0001	0.00001	<0.001	<0.01	122.0	7.8	<1	3.1	0.55	0.129	54.0	135	266	47
B625046		<0.0001	<0.00001	<0.001	<0.01	45.9	8.0	<2	3.3	0.66	0.412	5.0	106	216	50
B625047		<0.0002	0.00060	0.014	<0.02	45.9	8.4	<2	4.1	1.24	0.138	11.7	264	224	55
B625048		<0.0001	<0.00001	<0.001	<0.01	72.0	8.0	<0.1	5.7	0.56	0.108	<0.5	67	143	58
B625049		<0.0005	0.00194	0.042	<0.05	93.1	8.8	<1	3.4	1.36	0.124	8.7	430	190	61



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To: BAFFINLAND IRON MINES CORPORATION
2275 UPPER MIDDLE ROAD EAST
SUITE 300
OAKVILLE ON L6H 0C3

Page: 3 – A
Total # Pages: 3 (A – C)
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Finalized Date: 11-FEB-2022
Account: BIMCIO

Project: Pulps for ABA

CERTIFICATE OF ANALYSIS VA21326970

Sample Description	Method Analyte Units LOD	OA-SFE01 Ag mg/L 0.00005	OA-SFE01 Al mg/L 0.005	OA-SFE01 As mg/L 0.001	OA-SFE01 B mg/L 0.01	OA-SFE01 Ba mg/L 0.001	OA-SFE01 Be mg/L 0.0005	OA-SFE01 Bi mg/L 0.0005	OA-SFE01 Ca mg/L 0.1	OA-SFE01 Cd mg/L 0.00005	OA-SFE01 Co mg/L 0.0001	OA-SFE01 Cr mg/L 0.0005	OA-SFE01 Cu mg/L 0.001	OA-SFE01 Fe mg/L 0.03	OA-SFE01 Hg mg/L 0.00005	OA-SFE01 K mg/L 0.05
B625050		<0.0003	29.500	<0.005	0.15	0.413	<0.003	<0.003	0.7	<0.0003	0.0088	0.0083	0.009	38.50	<0.00005	89.70
B625051		0.00027	15.400	<0.002	0.07	0.156	0.0012	0.0014	1.4	0.00036	0.0031	0.0067	0.040	11.00	<0.00005	25.20
B625052		<0.00005	0.408	<0.001	0.05	<0.001	<0.0005	<0.0005	0.2	<0.00005	<0.0001	0.0010	<0.001	<0.03	<0.00005	4.01
B625053		<0.00005	0.137	<0.001	0.02	0.002	<0.0005	<0.0005	5.6	<0.00005	<0.0001	<0.0005	<0.001	<0.03	<0.00005	16.10
B625054		<0.00005	0.268	<0.001	0.02	<0.001	<0.0005	<0.0005	<0.1	<0.00005	<0.0001	<0.0005	<0.001	<0.03	<0.00005	5.09
B625055		<0.0003	32.300	<0.005	0.14	0.439	<0.003	<0.003	0.5	<0.0003	0.0057	0.0059	0.010	20.40	<0.00005	68.00
B625056		<0.0003	34.000	<0.005	0.30	0.294	<0.003	<0.003	0.7	<0.0003	0.0047	0.0060	0.010	17.50	<0.00005	75.40
B625057		<0.00005	4.030	<0.001	0.10	0.033	<0.0005	<0.0005	0.3	<0.00005	0.0012	0.0361	0.003	2.66	<0.00005	54.00
B625058		<0.00005	0.160	<0.001	0.29	<0.001	<0.0005	<0.0005	1.1	<0.00005	<0.0001	<0.0005	<0.001	<0.03	<0.00005	8.89
B625059		<0.00005	0.427	<0.001	0.16	<0.001	<0.0005	<0.0005	0.1	<0.00005	<0.0001	0.0012	<0.001	<0.03	<0.00005	3.81
B625060		<0.00005	36.200	<0.001	0.22	0.651	0.0019	<0.0005	0.7	<0.00005	0.0058	0.0115	0.006	27.90	<0.00005	64.80
B625061		<0.00005	24.100	<0.001	0.06	0.492	0.0007	<0.0005	0.5	<0.00005	0.0051	0.0033	0.005	17.60	<0.00005	78.70
B625062		<0.00005	23.500	<0.001	0.14	0.336	0.0007	<0.0005	0.4	<0.00005	0.0036	0.0057	0.009	10.80	<0.00005	63.40
B625063		<0.00005	17.800	<0.001	0.20	0.318	0.0009	<0.0005	0.3	<0.00005	0.0031	0.0028	0.003	13.60	<0.00005	50.80
B625064		<0.00005	21.600	<0.001	0.12	0.380	0.0007	<0.0005	0.5	<0.00005	0.0038	0.0026	0.005	17.80	<0.00005	76.50
B625065		<0.00005	26.400	<0.001	0.16	0.267	0.0016	<0.0005	0.4	<0.00005	0.0060	0.0296	0.008	17.50	<0.00005	49.80



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To: BAFFINLAND IRON MINES CORPORATION
2275 UPPER MIDDLE ROAD EAST
SUITE 300
OAKVILLE ON L6H 0C3

Page: 3 – B
Total # Pages: 3 (A – C)
Plus Appendix Pages
Finalized Date: 11-FEB-2022
Account: BIMCIO

Project: Pulps for ABA

CERTIFICATE OF ANALYSIS **VA21326970**

Sample Description	Method Analyte Units LOD	OA-SFE01 Li mg/L 0.005	OA-SFE01 Mg mg/L 0.05	OA-SFE01 Mn mg/L 0.0005	OA-SFE01 Mo mg/L 0.0001	OA-SFE01 Moisture % 0.3	OA-SFE01 Na mg/L 0.05	OA-SFE01 Ni mg/L 0.0005	OA-SFE01 Pb mg/L 0.0001	OA-SFE01 P mg/L 0.3	OA-SFE01 Sb mg/L 0.0001	OA-SFE01 Se mg/L 0.0005	OA-SFE01 Si mg/L 0.05	OA-SFE01 Sn mg/L 0.0005	OA-SFE01 Sr mg/L 0.0005	OA-SFE01 Ti mg/L 0.01
B625050		0.030	12.80	0.0865	0.0149	<0.3	6.55	0.0205	0.0062	<2	<0.0005	<0.003	42.20	<0.003	0.0054	1.50
B625051		0.024	5.86	0.2190	0.0439	<0.3	13.60	0.0051	0.0155	<0.6	<0.0002	<0.001	29.10	0.0029	0.0080	0.55
B625052		<0.005	18.40	0.0009	0.0135	<0.3	0.43	<0.0005	<0.0001	<0.3	<0.0001	0.0009	1.09	<0.0005	0.0011	<0.01
B625053		<0.005	36.20	0.0090	0.0175	<0.3	3.15	<0.0005	<0.0001	<0.3	<0.0001	0.0011	2.04	<0.0005	0.0069	<0.01
B625054		<0.005	27.40	0.0008	0.0081	<0.3	0.09	<0.0005	<0.0001	<0.3	<0.0001	0.0012	1.76	<0.0005	0.0006	<0.01
B625055		0.038	11.80	0.1810	0.0051	<0.3	4.26	0.0086	0.0116	<2	<0.0005	<0.003	43.90	<0.003	0.0102	0.98
B625056		0.046	12.60	0.1470	0.0039	<0.3	3.86	0.0114	0.0036	<2	<0.0005	<0.003	47.80	<0.003	0.0089	0.76
B625057		<0.005	5.90	0.0313	0.0034	<0.3	3.14	0.0062	0.0008	<0.3	<0.0001	<0.0005	6.53	<0.0005	0.0027	0.09
B625058		0.068	211.00	0.0055	0.0212	<0.3	<0.05	<0.0005	<0.0001	<0.3	<0.0001	0.0013	2.13	<0.0005	<0.0005	<0.01
B625059		0.047	28.40	0.0010	0.0052	<0.3	<0.05	<0.0005	<0.0001	<0.3	<0.0001	0.0008	1.32	<0.0005	<0.0005	<0.01
B625060		0.077	13.90	0.1550	0.0027	<0.3	4.64	0.0121	0.0017	0.5	<0.0001	<0.0005	47.50	0.0007	0.0097	1.54
B625061		0.018	9.32	0.1740	0.0084	<0.3	6.79	0.0049	0.0028	0.9	<0.0001	0.0006	28.80	<0.0005	0.0035	1.01
B625062		0.038	8.46	0.1500	0.0038	<0.3	5.16	0.0075	0.0070	0.4	<0.0001	0.0005	27.00	<0.0005	0.0108	0.61
B625063		0.037	6.72	0.0868	0.0059	<0.3	4.63	0.0043	0.0019	0.6	<0.0001	<0.0005	22.90	<0.0005	0.0039	0.73
B625064		0.029	7.36	0.0781	0.0064	<0.3	6.38	0.0039	0.0014	0.8	<0.0001	<0.0005	26.90	<0.0005	0.0045	0.96
B625065		0.060	12.00	0.1760	0.0120	<0.3	5.39	0.0259	0.0024	<0.3	<0.0001	0.0006	30.20	<0.0005	0.0048	0.83



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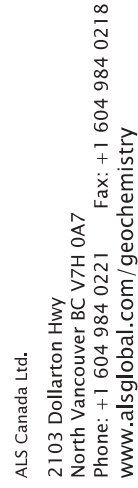
To: BAFFINLAND IRON MINES CORPORATION
2275 UPPER MIDDLE ROAD EAST
SUITE 300
OAKVILLE ON L6H 0C3

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Total # Pages: 3 (A – C)
Plus Appendix Pages
Finalized Date: 11-FEB-2022
Account: BIMCIO

Project: Pulps for ABA

CERTIFICATE OF ANALYSIS VA21326970

Sample Description	Method Analyte Units LOD	OA-SFE01 TI ppm 0.0001	OA-SFE01 U mg/L 0.00001	OA-SFE01 V mg/L 0.001	OA-SFE01 Zn mg/L 0.01	OA-SFE01 Hardness mg/L CaCO3e 0.6	OA-SFE01 Final pH Unity 0.1	MS14L-ANPH Br mg/L 0.05	MS14L-ANPH Cl mg/L 0.5	F mg/L 0.02	NO3 (as mg/L 0.005	MS14L-ANPH SO4 mg/L 0.5	MS14L-ANPH TDS mg/L 3	Conducti uS/cm 2	Alkalini mg/L CaCO3e 1
B625050		<0.0005	0.00127	0.043	<0.05	54.4	9.1	<2	2.2	1.62	0.140	7.6	348	246	73
B625051		<0.0002	0.00432	0.021	0.05	27.6	8.0	<0.1	5.2	1.90	0.265	10.9	188	127	29
B625052		<0.0001	<0.00001	<0.001	<0.01	76.2	7.9	<0.4	2.5	0.58	0.118	1.2	63	155	53
B625053		<0.0001	0.00001	<0.001	<0.01	163.0	8.0	<1	7.6	0.71	0.281	80.3	196	373	66
B625054		<0.0001	<0.00001	<0.001	<0.01	113.0	7.8	<2	2.7	0.58	0.064	38.8	110	227	49
B625055		<0.0005	0.00198	0.044	<0.05	49.9	9.2	<0.3	1.2	1.57	0.083	4.6	302	179	63
B625056		<0.0005	0.00107	0.027	<0.05	53.6	8.5	<3	1.8	1.20	0.778	3.7	315	198	52
B625057		<0.0001	0.00013	0.008	<0.01	25.0	8.3	<2	3.5	0.85	0.226	1.5	127	187	53
B625058		<0.0001	0.00002	<0.001	<0.01	872	7.7	<0.6	7.2	0.42	0.844	767	1040	1380	53
B625059		<0.0001	<0.00001	<0.001	<0.01	117.0	8.3	<0.5	5.9	0.91	0.144	1.8	107	228	102
B625060		0.0003	0.00139	0.039	0.02	58.9	9.1	<2	3.3	1.37	0.085	2.7	324	186	64
B625061		0.0003	0.00173	0.058	0.03	39.5	9.5	<2	0.6	1.74	0.117	4.6	276	228	88
B625062		0.0002	0.00105	0.036	0.02	35.8	9.1	<2	2.2	1.59	0.072	4.5	234	188	67
B625063		0.0002	0.00061	0.038	<0.01	28.5	9.2	<0.4	1.7	1.43	0.283	2.8	199	154	60
B625064		0.0002	0.00096	0.043	<0.01	31.5	9.2	<2	1.7	1.76	0.111	23.7	272	243	68
B625065		0.0003	0.00099	0.033	0.02	50.5	8.9	<1	1.6	1.75	0.055	3.0	236	151	59



Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 11-FEB-2022
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CERTIFICATE OF ANALYSIS **VA21326970**

LABORATORY ADDRESSES

Applies to Method:

Applies to Method:



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To: **BAFFINLAND IRON MINES CORPORATION**
2275 UPPER MIDDLE ROAD EAST
SUITE 300
OAKVILLE ON L6H 0C3

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Finalized Date: 13-JAN-2022
Account: BIMCIO

CERTIFICATE VA21327957

Project: Pulp for ABA
P.O. No.: 4500092191

This report is for 46 samples of Pulp submitted to our lab in Vancouver, BC, Canada on 1-DEC-2021.

The following have access to data associated with this certificate:

TREVOR BRISCO
PAUL DAWE
FRED LAWRENCE
HAYLEY POTHIER
JUSTIN TUPPER

PAUL BRYDEN
JASON DUFF
JORDON MARSH
JACOB PRINCE
WARRICK WILLIAMS

JASON CHIASSON
SIMON FLEURY
SHAHE NACCASHIAN
MATTHEW TRACEY

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis
SND-01	Send samples to external laboratory

ANALYTICAL PROCEDURES	
ALS CODE	DESCRIPTION
OA-SFE01	Shake Flask Analysis at ALSE
MST4L-ANPH	Anions by ion chromatography
	ICP-MS

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver



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To: BAFFINLAND IRON MINES CORPORATION
2275 UPPER MIDDLE ROAD EAST
SUITE 300
OAKVILLE ON L6H 0C3

Page: 2 – A
Total # Pages: 3 (A – C)
Plus Appendix Pages
Finalized Date: 13-JAN-2022
Account: BIMCIO

Project: Pulps for ABA

CERTIFICATE OF ANALYSIS VA21327957

Sample Description	Method Analyte Units LOD	OA-SFE01 Ag mg/L 0.00005	OA-SFE01 Al mg/L 0.005	OA-SFE01 As mg/L 0.001	OA-SFE01 B mg/L 0.01	OA-SFE01 Ba mg/L 0.001	OA-SFE01 Be mg/L 0.0005	OA-SFE01 Bi mg/L 0.0005	OA-SFE01 Ca mg/L 0.1	OA-SFE01 Cd mg/L 0.00005	OA-SFE01 Co mg/L 0.0001	OA-SFE01 Cr mg/L 0.0005	OA-SFE01 Cu mg/L 0.001	OA-SFE01 Fe mg/L 0.03	OA-SFE01 Hg mg/L 0.00005	OA-SFE01 K mg/L 0.05
B625066		0.00011	20.600	<0.002	0.16	0.211	0.0013	0.0020	1.1	0.00020	0.0048	0.0161	0.028	13.60	<0.00005	53.90
B625067		<0.00005	6.880	<0.001	0.13	0.042	<0.0005	<0.0005	3.3	<0.0001	0.0016	0.0051	0.013	4.17	<0.00005	40.40
B625068		<0.00005	4.820	<0.001	0.21	0.022	<0.0005	<0.0005	1.3	<0.00005	0.0016	0.0114	0.002	4.01	<0.00005	53.00
B625069		0.00015	21.800	0.002	0.08	0.294	<0.001	<0.001	1.6	0.00050	0.0040	0.0023	0.024	15.90	<0.00005	92.40
B625070		0.00015	9.540	0.004	0.08	0.047	0.0009	0.0007	1.2	0.00019	0.0029	0.0091	0.034	6.82	<0.00005	36.30
B625071		0.00014	21.100	<0.002	0.47	0.100	0.0020	0.0020	0.5	<0.0001	0.0034	0.0036	0.020	11.50	<0.00005	55.30
B625072		<0.0001	18.800	<0.002	0.10	0.192	0.0017	<0.001	1.0	0.00042	0.0053	0.0072	0.016	13.10	<0.00005	78.30
B625073		<0.00005	0.221	<0.001	0.06	0.005	<0.0005	<0.0005	1.0	<0.00005	<0.0001	<0.0005	<0.001	0.04	<0.00005	26.60
B625074		<0.00001	7.370	<0.002	0.04	0.035	<0.001	<0.001	<0.2	<0.001	0.0074	0.0369	0.007	12.10	<0.00005	38.30
B625075		<0.0001	0.158	<0.002	<0.02	<0.002	<0.001	<0.001	0.3	<0.0001	<0.0002	0.0079	<0.002	<0.06	<0.00005	0.83
B625076		<0.00005	0.372	<0.001	0.03	<0.001	<0.0005	<0.0005	0.2	<0.00005	0.0002	0.0034	<0.001	0.82	<0.00005	0.44
B625077		<0.00005	0.088	<0.001	0.05	<0.001	<0.0005	<0.0005	0.2	<0.00005	<0.0001	<0.0005	<0.001	0.07	<0.00005	0.36
B625078		<0.00005	0.105	<0.001	0.02	<0.001	<0.0005	<0.0005	0.2	<0.00005	<0.0001	<0.0005	<0.001	0.12	<0.00005	1.82
B625079		<0.00005	0.110	<0.001	0.05	<0.001	<0.0005	<0.0005	0.3	<0.00005	<0.0001	0.0005	<0.001	0.21	<0.00005	2.42
B625080		<0.00005	11.800	<0.001	0.19	0.024	0.0005	<0.0005	0.2	<0.00005	0.0008	0.0006	0.004	3.38	<0.00005	21.90
B625081		<0.00005	0.212	<0.001	0.24	0.029	<0.0005	<0.0005	3.3	<0.00005	<0.0001	<0.0005	<0.001	<0.03	<0.00005	50.10
B625082		0.00037	16.100	<0.001	0.09	0.128	0.0005	0.0024	0.2	<0.00005	0.0029	0.0038	0.218	12.90	<0.00005	43.30
B625083		<0.00005	4.730	<0.001	0.19	0.031	<0.0005	<0.0005	0.2	<0.00005	0.0008	0.0099	<0.001	4.05	<0.00005	32.60
B625084		<0.00005	0.942	<0.001	0.17	0.010	<0.0005	<0.0005	0.9	<0.00005	0.0005	<0.0005	<0.001	0.54	<0.00005	56.90
B625085		<0.00005	11.800	<0.001	0.21	0.133	<0.0005	<0.0005	0.3	<0.00005	0.0016	0.0011	<0.001	8.37	<0.00005	64.20
B625086		<0.0001	15.400	<0.002	0.31	0.154	0.0013	<0.001	0.4	<0.0001	0.0029	0.0017	0.010	13.30	<0.00005	43.80
B625087		<0.0003	20.500	<0.005	0.18	0.213	<0.003	<0.003	<0.5	<0.0003	0.0038	0.0026	<0.005	17.50	<0.00005	60.30
B625088		<0.0003	25.200	<0.005	0.11	0.316	<0.003	<0.003	<0.5	<0.0003	0.0035	<0.003	0.006	16.00	<0.00005	52.20
B625089		<0.0003	19.900	<0.005	0.15	0.260	<0.003	<0.003	<0.5	<0.0003	0.0045	0.0027	0.013	15.20	<0.00005	46.90
B625090		<0.00005	8.440	<0.001	0.12	0.045	<0.0005	<0.0005	0.2	<0.00005	0.0033	0.0013	0.003	8.89	<0.00005	38.20
B625091		<0.00005	10.500	<0.001	0.23	0.096	0.0006	<0.0005	0.1	<0.00005	0.0013	0.0009	0.001	5.13	<0.00005	30.40
B625092		<0.00005	1.010	<0.001	0.04	0.006	<0.0005	<0.0005	0.3	<0.00005	0.0002	<0.0005	<0.001	1.10	<0.00005	27.70
B625093		<0.00005	0.119	<0.001	0.02	<0.001	<0.0005	<0.0005	0.4	<0.00005	0.0001	0.0026	<0.001	0.20	<0.00005	0.36
B625094		<0.00005	0.122	<0.001	0.02	<0.001	<0.0005	<0.0005	0.3	<0.00005	<0.0001	0.0011	<0.001	0.07	<0.00005	<0.05
B625095		<0.00005	0.079	<0.001	0.07	0.005	<0.0005	<0.0005	8.8	<0.00005	<0.0001	<0.0005	<0.001	<0.03	<0.00005	37.10
B625096		<0.00005	0.277	<0.001	0.10	<0.001	<0.0005	<0.0005	1.1	<0.00005	<0.0001	0.0057	<0.001	0.08	<0.00005	1.25
B625097		<0.00005	0.159	<0.001	0.02	<0.001	<0.0005	<0.0005	0.8	<0.00005	<0.0001	0.0116	<0.001	<0.03	<0.00005	2.34
B625098		<0.0001	27.600	<0.002	0.07	0.267	<0.001	<0.001	0.3	<0.0001	0.0038	0.0029	0.004	23.60	<0.00005	40.70
B625099		0.00081	42.700	<0.005	0.17	0.298	0.0026	0.0085	1.6	<0.0003	0.0084	0.0112	0.573	32.70	<0.00005	41.80
B625100		<0.00005	0.498	<0.001	0.06	0.005	<0.0005	<0.0005	2.0	<0.00005	<0.0001	<0.0005	<0.001	0.25	<0.00005	22.00
B625101		<0.00005	9.150	<0.001	0.18	0.044	<0.0005	<0.0005	0.6	<0.00005	0.0032	0.0125	0.010	7.06	<0.00005	55.70
B625102		<0.00003	41.900	<0.005	0.19	0.453	<0.003	<0.003	0.7	<0.0003	0.0098	0.0813	0.017	29.10	<0.00005	47.30
B625103		<0.0001	27.600	<0.002	0.29	0.384	0.0015	<0.001	0.4	<0.0001	0.0037	0.0030	0.008	13.30	<0.00005	39.40
B625104		0.00061	39.100	<0.002	0.11	0.522	0.0027	0.0085	0.4	<0.0002	0.0043	0.0026	0.066	18.20	<0.00005	49.30
B625105		0.00005	13.500	<0.001	0.25	0.123	0.0006	0.0011	0.3	0.00012	0.0035	0.0123	0.020	12.10	<0.00005	67.40



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To: BAFFINLAND IRON MINES CORPORATION
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Page: 2 – B
Total # Pages: 3 (A – C)
Plus Appendix Pages
Finalized Date: 13-JAN-2022
Account: BIMCIO

Project: Pulps for ABA

CERTIFICATE OF ANALYSIS VA21327957

Sample Description	Method Analyte Units LOD	OA-SFE01 Li mg/L 0.005	OA-SFE01 Mg mg/L 0.05	OA-SFE01 Mn mg/L 0.0005	OA-SFE01 Mo mg/L 0.0001	OA-SFE01 Moisture % 0.3	OA-SFE01 Na mg/L 0.05	OA-SFE01 Ni mg/L 0.0005	OA-SFE01 Pb mg/L 0.0001	OA-SFE01 P mg/L 0.3	OA-SFE01 Sb mg/L 0.0001	OA-SFE01 Se mg/L 0.0005	OA-SFE01 Si mg/L 0.05	OA-SFE01 Sn mg/L 0.0005	OA-SFE01 Sr mg/L 0.0005	OA-SFE01 Ti mg/L 0.01
B625066		0.040	8.28	0.2010	0.0540	<0.3	11.10	0.0080	0.0129	<0.6	0.0004	<0.001	33.50	0.0019	0.0091	0.78
B625067		0.028	5.53	0.0684	0.1030	<0.3	12.50	0.0026	0.0025	<0.3	0.0003	<0.0005	15.60	0.0005	0.0086	0.25
B625068		0.013	6.98	0.0353	0.0115	<0.3	9.10	0.0030	0.0002	<0.3	<0.0001	0.0007	9.65	<0.0005	0.0095	0.08
B625069		0.051	8.31	0.3890	0.0755	<0.3	11.50	0.0023	0.0176	<0.6	0.0004	<0.001	32.90	0.0027	0.0090	1.19
B625070		0.026	4.84	0.1360	0.0500	<0.3	19.90	0.0050	0.0285	<0.3	0.0005	0.0007	17.70	0.0008	0.0064	0.30
B625071		0.029	9.22	0.1860	0.1020	<0.3	7.20	0.0033	0.0032	<0.6	<0.0002	<0.001	37.10	0.0047	0.0084	0.55
B625072		0.030	8.72	0.2480	0.0497	<0.3	16.90	0.0081	0.0142	<0.6	0.0002	<0.001	30.70	0.0019	0.0065	0.80
B625073		<0.005	7.34	<0.0005	0.0311	<0.3	4.99	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	2.11	<0.0005	0.0062	<0.01
B625074		<0.01	7.16	0.1400	2.8600	<0.3	4.54	0.0224	0.0014	<0.6	<0.0002	0.0011	12.80	<0.001	0.0024	0.30
B625075		<0.01	24.80	0.0030	0.0103	<0.3	0.21	<0.001	<0.0002	<0.6	<0.0002	<0.001	2.83	<0.001	<0.001	<0.02
B625076		<0.005	14.20	0.0113	0.0410	<0.3	0.15	0.0012	<0.0001	<0.3	<0.0001	0.0010	3.12	<0.0005	<0.0005	<0.01
B625077		0.020	30.00	0.0041	0.0106	<0.3	0.07	<0.0005	<0.0001	<0.3	0.0002	0.0023	5.91	<0.0005	0.0006	<0.01
B625078		0.008	26.00	0.0030	0.0059	<0.3	0.20	<0.0005	<0.0001	<0.3	<0.0001	0.0008	3.93	<0.0005	0.0005	<0.01
B625079		<0.005	11.90	0.0042	0.0037	<0.3	0.62	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	3.82	<0.0005	0.0026	<0.01
B625080		0.010	3.76	0.0299	0.0031	<0.3	3.31	0.0010	0.0012	<0.3	<0.0001	<0.0005	21.80	<0.0005	0.0019	0.04
B625081		0.017	9.47	0.0021	0.0115	<0.3	5.29	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	2.78	<0.0005	0.0245	<0.01
B625082		0.005	5.66	0.0662	0.0523	<0.3	1.78	0.0043	0.0031	<0.3	0.0002	0.0018	23.80	0.0042	0.0021	0.32
B625083		0.008	4.10	0.00210	0.0014	<0.3	5.98	0.0024	0.0004	<0.3	<0.0001	<0.0005	8.27	<0.0005	0.0024	0.08
B625084		0.009	4.82	0.0032	0.0248	<0.3	4.11	<0.0005	<0.0001	<0.3	0.0001	0.0011	2.96	<0.0005	0.0068	0.02
B625085		0.010	3.78	0.0306	0.0156	<0.3	5.86	0.0042	0.0015	0.7	<0.0001	<0.0005	14.00	<0.0005	0.0045	0.41
B625086		0.041	6.33	0.0586	0.0702	<0.3	4.13	0.0033	0.0017	<0.6	<0.0002	<0.001	20.40	<0.001	0.0104	0.52
B625087		0.029	7.00	0.0767	0.0436	<0.3	4.20	0.0044	0.0016	<2	<0.0005	<0.003	27.60	<0.003	0.0093	0.83
B625088		<0.03	7.53	0.0877	0.0193	<0.3	3.32	0.0041	0.0025	<2	<0.0005	<0.003	38.70	<0.003	0.0065	0.54
B625089		<0.03	4.88	0.0620	0.0404	<0.3	3.27	0.0044	0.0033	<2	<0.0005	<0.003	29.60	<0.003	0.0111	0.69
B625090		0.017	5.19	0.0469	0.0299	<0.3	3.75	0.0062	0.0009	<0.3	0.0002	0.0006	14.10	<0.0005	0.0038	0.25
B625091		0.015	3.20	0.0391	0.0050	<0.3	2.18	0.0017	0.0030	<0.3	0.0003	<0.0005	17.00	0.0007	0.0024	0.14
B625092		<0.005	2.47	0.0023	0.0144	<0.3	3.94	0.0009	<0.0001	<0.3	<0.0001	<0.0005	2.83	<0.0005	0.0018	0.02
B625093		<0.005	9.88	0.0026	0.0027	<0.3	0.13	0.0010	<0.0001	<0.3	<0.0001	0.0005	3.54	<0.0005	0.0007	<0.01
B625094		<0.005	21.30	0.0017	0.0084	<0.3	<0.05	<0.0005	<0.0001	<0.3	<0.0001	0.0012	3.57	<0.0005	<0.0005	<0.01
B625095		0.012	64.60	0.0325	0.0134	<0.3	3.78	<0.0005	<0.0001	<0.3	<0.0001	0.0015	2.43	<0.0005	0.0087	<0.01
B625096		0.009	17.00	0.0022	0.0052	<0.3	<0.05	<0.0005	<0.0001	<0.3	<0.0001	0.0008	2.83	<0.0005	0.0013	<0.01
B625097		<0.005	19.60	0.0025	0.0215	<0.3	0.97	<0.0005	<0.0001	<0.3	<0.0001	0.0012	2.28	<0.0005	0.0015	<0.01
B625098		<0.01	14.30	0.1320	0.0160	<0.3	3.08	0.0064	0.0013	<0.6	0.0003	0.0011	34.90	<0.001	0.0084	0.28
B625099		0.032	15.10	0.1940	0.0598	<0.3	4.64	0.0180	0.0162	<2	<0.0005	<0.003	62.60	0.0035	0.0089	0.96
B625100		<0.005	4.49	0.0009	0.0124	<0.3	4.91	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	1.84	<0.0005	0.0044	<0.01
B625101		0.009	7.25	0.0372	0.0170	<0.3	5.59	0.0074	0.0010	<0.3	<0.0001	0.0011	14.20	0.0009	0.0060	0.15
B625102		0.058	15.50	0.2560	0.0086	<0.3	4.40	0.0368	0.0054	<2	<0.0005	<0.003	57.80	<0.003	0.0094	1.21
B625103		0.095	8.86	0.1170	0.0031	<0.3	3.67	0.0040	0.0030	<0.6	0.0004	<0.001	35.90	<0.001	0.0104	0.72
B625104		0.024	14.80	0.2670	0.0740	<0.3	3.95	0.0032	0.0096	<0.6	<0.0002	<0.001	53.90	<0.001	0.0070	0.88
B625105		0.023	8.73	0.0956	0.0278	<0.3	3.47	0.0091	0.0033	<0.3	0.0002	0.0012	19.10	0.0009	0.0074	0.37



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To: BAFFINLAND IRON MINES CORPORATION
2275 UPPER MIDDLE ROAD EAST
SUITE 300
OAKVILLE ON L6H 0C3

Page: 2 – C
Total # Pages: 3 (A – C)
Plus Appendix Pages
Finalized Date: 13-JAN-2022
Account: BIMCIO

Project: Pulps for ABA

CERTIFICATE OF ANALYSIS VA21327957

Sample Description	Method Analyte Units LOD	OA-SFE01 TI ppm 0.0001	OA-SFE01 U mg/L 0.00001	OA-SFE01 V mg/L 0.001	OA-SFE01 Zn mg/L 0.01	OA-SFE01 Hardness mg/L CaCO3e 0.6	OA-SFE01 Final pH Unity 0.1	MS14L-ANPH Br mg/L 0.05	MS14L-ANPH Cl mg/L 0.5	F mg/L 0.02	NO3 (as mg/L 0.005	SO4 mg/L 0.5	TDS mg/L 3	Conducti uS/cm 2	Alkalini mg/L CaCO3e 1
B625066		0.0003	0.00307	0.050	0.05	36.7	8.3	0.07	2.9	3.04	0.487	5.5	251	183	63
B625067		0.0001	0.00158	0.024	<0.01	30.9	8.2	0.09	5.8	1.91	0.247	3.3	171	203	74
B625068		<0.0001	0.00007	0.017	<0.01	31.9	8.1	0.23	4.9	2.12	0.057	1.3	161	223	79
B625069		0.0005	0.01120	0.049	0.08	38.3	9.4	<0.05	3.6	5.01	0.072	2.7	329	306	127
B625070		0.0002	0.02030	0.048	0.05	23.0	8.6	0.08	9.5	2.10	0.343	4.6	184	196	66
B625071		0.0003	0.00149	0.028	0.04	39.3	8.3	0.05	3.4	5.77	1.040	2.4	253	172	51
B625072		0.0003	0.00329	0.083	0.07	38.5	9.2	0.06	3.5	4.56	1.440	3.5	301	273	104
B625073		<0.0001	<0.00001	<0.001	<0.01	32.8	7.9	0.11	8.2	1.01	0.035	<0.5	86	157	51
B625074		<0.0002	0.00030	0.016	<0.02	29.5	8.0	0.10	3.0	1.31	0.185	3.4	140	137	46
B625075		<0.0002	<0.00002	<0.002	<0.02	103.0	8.1	<0.05	4.3	1.01	0.084	1.5	89	191	79
B625076		<0.0001	<0.00001	<0.001	<0.01	59.0	7.8	<0.05	3.6	0.68	0.062	1.8	62	116	51
B625077		<0.0001	0.00002	<0.001	<0.01	124.0	7.6	<0.05	4.2	0.84	0.068	81.2	151	256	30
B625078		<0.0001	<0.00001	<0.001	<0.01	108.0	7.9	<0.05	4.6	1.25	0.180	5.3	95	201	73
B625079		<0.0001	<0.00001	<0.001	<0.01	49.6	7.5	<0.05	4.7	0.29	0.239	4.0	54	107	30
B625080		<0.0001	0.00151	0.009	<0.01	15.9	8.1	<0.05	2.5	0.96	0.092	2.1	129	80	32
B625081		<0.0001	<0.00001	0.002	<0.01	47.3	8.4	<0.05	3.9	0.74	0.100	5.8	146	255	99
B625082		0.0002	0.00196	0.018	0.02	23.8	8.3	<0.05	2.6	1.69	0.099	4.3	183	132	49
B625083		<0.0001	0.00020	0.006	<0.01	17.4	8.1	0.07	4.3	1.11	1.130	0.9	112	138	44
B625084		<0.0001	0.00006	0.001	<0.01	22.0	7.7	0.06	4.1	0.72	0.622	50.4	154	243	32
B625085		0.0001	0.00017	0.034	<0.01	16.2	8.9	<0.05	2.1	1.49	0.423	12.6	192	214	70
B625086		<0.0002	0.00235	0.024	<0.02	27.1	8.5	<0.05	1.9	1.34	0.091	5.8	176	130	46
B625087		<0.0005	0.00208	0.059	<0.05	28.8	9.0	<0.05	1.2	1.51	0.055	6.2	234	172	68
B625088		<0.0005	0.00356	0.030	<0.05	31.0	8.7	<0.05	2.4	1.09	0.940	7.9	254	139	48
B625089		<0.0005	0.00090	0.029	<0.05	20.1	8.1	<0.05	1.7	1.44	0.077	16.0	211	133	36
B625090		<0.0001	0.00109	0.008	<0.01	22.0	7.8	0.08	4.3	1.20	0.112	6.0	137	138	37
B625091		<0.0001	0.00047	0.010	<0.01	13.5	8.1	<0.05	2.6	0.93	0.174	1.7	125	99	35
B625092		<0.0001	0.00004	0.001	<0.01	11.0	7.9	0.06	6.2	1.07	0.133	1.7	77	122	39
B625093		<0.0001	<0.00001	<0.001	<0.01	41.8	7.5	<0.05	2.2	0.39	0.051	1.0	42	81	29
B625094		<0.0001	<0.00001	<0.001	<0.01	88.5	7.8	<0.05	5.9	1.17	0.104	6.7	82	168	60
B625095		<0.0001	0.00001	<0.001	<0.01	288	7.2	<0.3	4.4	0.60	0.278	290	431	627	23
B625096		<0.0001	<0.00001	0.002	<0.01	72.7	8.0	0.09	3.9	1.65	0.077	1.0	70	127	60
B625097		<0.0001	<0.00001	<0.001	<0.01	82.8	8.1	0.09	4.7	0.63	0.092	1.3	80	154	71
B625098		<0.0002	0.00093	0.019	<0.02	59.6	8.0	0.10	3.1	0.78	0.066	2.2	240	119	49
B625099		<0.0005	0.00279	0.033	<0.05	66.2	7.6	0.14	2.6	1.31	0.154	9.7	343	109	33
B625100		<0.0001	0.00001	<0.001	<0.01	23.4	7.9	0.10	7.0	0.78	0.036	<0.5	76	123	48
B625101		<0.0001	0.00026	0.030	0.01	31.3	8.2	0.34	4.2	2.18	0.072	4.3	174	203	64
B625102		<0.0005	0.00214	0.057	<0.05	65.7	8.3	0.14	2.7	1.24	0.042	3.1	330	113	45
B625103		0.0002	0.00075	0.031	<0.02	37.4	8.4	0.10	1.5	0.96	0.070	1.4	221	99	44
B625104		0.0004	0.00332	0.020	0.08	61.8	8.8	0.20	1.5	1.32	0.050	1.8	308	118	51
B625105		0.0002	0.00048	0.023	0.05	36.8	8.9	<0.3	2.0	1.52	0.318	6.7	212	208	70



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To: BAFFINLAND IRON MINES CORPORATION
2275 UPPER MIDDLE ROAD EAST
SUITE 300
OAKVILLE ON L6H 0C3

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Finalized Date: 13-JAN-2022
Account: BIMCIO

Project: Pulps for ABA

CERTIFICATE OF ANALYSIS VA21327957

Sample Description	Method Analyte Units LOD	OA-SFE01 Ag mg/L 0.00005	OA-SFE01 Al mg/L 0.005	OA-SFE01 As mg/L 0.001	OA-SFE01 B mg/L 0.01	OA-SFE01 Ba mg/L 0.001	OA-SFE01 Be mg/L 0.0005	OA-SFE01 Bi mg/L 0.0005	OA-SFE01 Ca mg/L 0.1	OA-SFE01 Cd mg/L 0.00005	OA-SFE01 Co mg/L 0.0001	OA-SFE01 Cr mg/L 0.0005	OA-SFE01 Cu mg/L 0.001	OA-SFE01 Fe mg/L 0.03	OA-SFE01 Hg mg/L 0.00005	OA-SFE01 K mg/L 0.05
B625106		<0.00005	0.212	<0.001	0.02	<0.001	<0.0005	<0.0005	1.8	<0.00005	<0.0001	0.0014	<0.001	0.44	<0.00005	1.82
B625107		0.00011	12.500	<0.001	0.11	0.124	0.0011	0.0012	0.2	<0.00005	0.0023	0.0009	0.019	9.50	<0.00005	35.40
B625108		<0.00005	10.600	<0.001	0.26	0.063	0.0012	<0.0005	0.6	0.00012	0.0024	0.0020	0.025	7.98	<0.00005	30.50
B625109		0.00035	11.700	<0.001	0.04	0.101	0.0007	0.0009	0.9	0.00068	0.0038	0.0045	0.039	10.40	<0.00005	28.40
B625110		<0.00005	5.920	<0.001	0.17	0.037	<0.0005	<0.0005	0.1	<0.00005	0.0008	0.0014	<0.001	4.56	<0.00005	31.00
B625111		<0.00005	2.600	<0.001	0.06	0.015	<0.0005	<0.0005	0.2	<0.0002	0.0005	<0.0005	0.002	2.76	<0.00005	28.90



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Project: Pulps for ABA

CERTIFICATE OF ANALYSIS **VA21327957**

Sample Description	Method Analyte Units LOD	OA-SFE01 Li mg/L 0.005	OA-SFE01 Mg mg/L 0.05	OA-SFE01 Mn mg/L 0.0005	OA-SFE01 Mo mg/L 0.0001	OA-SFE01 Moisture % 0.3	OA-SFE01 Na mg/L 0.05	OA-SFE01 Ni mg/L 0.0005	OA-SFE01 Pb mg/L 0.0001	OA-SFE01 P mg/L 0.3	OA-SFE01 Sb mg/L 0.0001	OA-SFE01 Se mg/L 0.0005	OA-SFE01 Si mg/L 0.05	OA-SFE01 Sn mg/L 0.0005	OA-SFE01 Sr mg/L 0.0005	OA-SFE01 Ti mg/L 0.01
B625106		<0.005	10.20	0.0065	0.0044	<0.3	0.58	0.0007	<0.0001	<0.3	<0.0001	0.0006	3.00	<0.0005	0.0036	<0.01
B625107		0.015	6.90	0.0891	0.0105	<0.3	3.35	0.0015	0.0021	<0.3	<0.0001	<0.0005	17.40	<0.0005	0.0031	0.26
B625108		0.026	5.70	0.1100	0.0219	<0.3	10.30	0.0019	0.0024	<0.3	0.0001	<0.0005	19.90	0.0009	0.0031	0.38
B625109		0.026	6.42	0.2300	0.1090	<0.3	15.70	0.0039	0.0204	0.4	0.0001	0.0007	19.80	0.0009	0.0038	0.53
B625110		0.011	2.48	0.0134	0.0137	<0.3	3.19	0.0021	0.0004	<0.3	<0.0001	<0.0005	8.95	<0.0005	0.0022	0.14
B625111		<0.005	4.34	0.0072	0.2370	<0.3	4.68	0.0019	0.0002	<0.3	<0.0001	0.0011	5.68	<0.0005	0.0022	0.03



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CERTIFICATE OF ANALYSIS VA21327957

Sample Description	Method Analyte Units LOD	OA-SFE01 TI ppm 0.0001	OA-SFE01 U mg/L 0.00001	OA-SFE01 V mg/L 0.001	OA-SFE01 Zn mg/L 0.01	OA-SFE01 Hardness mg/L CaCO ₃ e 0.6	OA-SFE01 Final pH Unity 0.1	MS14L-ANPH Br mg/L 0.05	MS14L-ANPH Cl mg/L 0.5	F mg/L 0.02	NO ₃ (as mg/L 0.005	SO ₄ mg/L 0.5	TDS mg/L 3	Conducti uS/cm 2	Alkalini mg/L CaCO ₃ e 1
B625106		<0.0001	<0.00001	<0.001	<0.01	46.4	7.9	<0.05	3.3	0.51	0.035	0.7	54	94	44
B625107		0.0002	0.00189	0.007	0.03	28.9	8.9	<0.05	2.4	1.66	0.033	1.3	149	111	46
B625108		0.0001	0.00209	0.029	0.03	24.9	8.9	<0.05	2.9	4.07	0.100	1.7	159	127	50
B625109		0.0002	0.00766	0.049	0.15	28.7	9.4	<0.05	4.2	3.52	0.091	2.4	173	141	58
B625110		<0.0001	0.00040	0.006	<0.01	10.5	8.2	<0.05	6.2	0.92	0.187	3.0	102	110	33
B625111		<0.0001	0.00068	0.001	<0.01	18.4	8.2	<0.05	6.8	0.85	0.061	2.1	92	129	38



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Project: Pulps for ABA

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CERTIFICATE OF ANALYSIS VA21327957	
	CERTIFICATE COMMENTS
	LABORATORY ADDRESSES
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. FND-02 SND-01
Applies to Method:	Processed at ALSE Vancouver, Burnaby, BC, Canada. MS14L-ANPH OA-SFE01



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Account: BIMCIO

CERTIFICATE VA22026504

Project: Pulps for ABA

P.O. No.: 4500092191

This report is for 50 samples of Crushed Rock submitted to our lab in Vancouver, BC, Canada on 26-JAN-2022.

The following have access to data associated with this certificate:

TREVOR BRISCO
PAUL DAWE
FRED LAWRENCE
HAYLEY POTHIER
JUSTIN TUPPER

PAUL BRYDEN
JASON DUFF
JORDON MARSH
JACOB PRINCE
WARRICK WILLIAMS

JASON CHIASSON
SIMON FLEURY
SHAHE NAACASHIAN
MATTHEW TRACEY

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging – ClientBarCode
SPL-21X	Addnl Crush Split w No Analysis
PUL-31	Pulverize up to 250g 85% <75 um
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
S-GRA06a	Sulfate Sulfur (HCl leachable)	WST-SEQ
OA-VOL08	Basic Acid Base Accounting	
S-IR08	Total Sulphur (IR Spectroscopy)	LECO
OA-ELE07	Paste pH	
S-CAL06	Sulfide Sulfur (calculated)	LECO
S-GRA06	Sulfate Sulfur-carbonate leach	WST-SEQ
C-GAS05	Inorganic Carbon (CO2)	

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, Director, North Vancouver Operations



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Project: Pulps for ABA

CERTIFICATE OF ANALYSIS **VA22026504**

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	OA-VOL08 MPA tCaCO ₃ /lkt	OA-VOL08 FIZZ RAT Unity	OA-VOL08 NNP tCaCO ₃ /lkt	OA-VOL08 NP tCaCO ₃ /lkt	OA-ELE07 pH Unity	OA-VOL08 Ratio (N Unity)	S-IR08 S %	S-GRA06 S %	S-GRA06a S %	S-CAL06 S %	C-GAS05 C %	C-GAS05 CO ₂ %
B625112		0.30	2.2	1	23	25	8.1	11.43	0.07	0.01	0.03	0.06	<0.05	<0.2
B625113		0.38	2.8	1	22	25	8.7	8.89	0.09	<0.01	0.03	0.09	<0.05	<0.2
B625114		0.33	2.2	1	20	22	8.5	10.06	0.07	<0.01	0.02	0.07	<0.05	<0.2
B625115		0.43	1.6	1	21	23	8.5	14.72	0.05	<0.01	0.01	0.05	<0.05	<0.2
B625116		0.38	<0.3	1	21	21	8.5	134.40	<0.01	<0.01	0.03	<0.01	<0.05	<0.2
B625117		0.40	1.3	1	19	20	9.0	16.00	0.04	<0.01	0.03	0.04	<0.05	<0.2
B625118		0.39	1.6	1	24	26	8.3	16.64	0.05	<0.01	0.02	0.05	<0.05	<0.2
B625119		0.38	<0.3	1	28	28	8.2	179.20	<0.01	<0.01	0.02	<0.01	<0.05	<0.2
B625120		0.33	<0.3	1	21	21	8.8	134.40	<0.01	<0.01	0.01	<0.01	<0.05	<0.2
B625121		0.51	3.1	1	26	29	7.4	9.28	0.10	0.08	0.12	0.02	<0.05	<0.2
B625123		0.52	<0.3	1	24	24	8.1	153.60	<0.01	<0.01	0.02	<0.01	<0.05	<0.2
B625124		0.55	<0.3	1	12	12	8.7	76.80	<0.01	0.01	0.02	<0.01	<0.05	<0.2
B625126		0.59	1.9	1	24	26	8.2	13.87	0.06	<0.01	0.03	0.06	<0.05	<0.2
B625127		0.60	0.3	1	10	10	7.7	32.00	0.01	<0.01	0.03	0.01	<0.05	<0.2
B625128		0.37	0.6	1	19	20	8.3	32.00	0.02	<0.01	0.04	0.02	<0.05	<0.2
B625129		0.37	7.8	1	15	23	8.3	2.94	0.25	<0.01	0.02	0.25	<0.05	<0.2
B625130		0.35	3.4	1	17	20	8.2	5.82	0.11	<0.01	0.03	0.11	<0.05	<0.2
B625131		0.46	6.3	1	15	21	8.2	3.36	0.20	<0.01	0.01	0.20	<0.05	<0.2
B625132		0.25	3.4	1	18	21	8.3	6.11	0.11	<0.01	0.05	0.11	<0.05	<0.2
B625133		0.41	5.0	1	15	20	8.2	4.00	0.16	<0.01	0.02	0.16	<0.05	<0.2
B625134		0.50	17.2	1	-2	15	8.1	0.87	0.55	<0.01	0.04	0.55	<0.05	<0.2
B625135		0.47	0.6	1	19	20	8.2	32.00	0.02	<0.01	0.02	0.02	<0.05	<0.2
B625136		0.40	0.3	1	15	15	9.0	48.00	0.01	<0.01	0.02	0.01	<0.05	<0.2
B625137		0.34	0.3	1	16	16	9.3	51.20	0.01	<0.01	0.02	0.02	<0.05	<0.2
B625138		0.38	0.6	1	15	16	9.2	25.60	0.02	0.01	0.01	0.01	<0.05	<0.2
B625139		0.37	<0.3	1	11	11	8.9	70.40	<0.01	<0.01	0.01	<0.01	<0.05	<0.2
B625140		0.41	0.6	1	19	20	8.7	32.00	0.02	<0.01	0.04	0.02	<0.05	<0.2
B625141		0.42	0.6	1	14	15	9.5	24.00	0.02	<0.01	0.02	0.02	<0.05	<0.2
B625142		0.41	<0.3	1	13	13	9.3	83.20	<0.01	<0.01	0.02	<0.01	<0.05	<0.2
B625143		0.58	13.8	1	6	20	8.0	1.45	0.44	<0.01	<0.01	0.44	<0.05	<0.2
B625144		0.38	<0.3	1	17	17	8.5	108.80	<0.01	<0.01	0.01	<0.01	<0.05	<0.2
B625145		0.43	1.3	1	20	21	8.3	16.80	0.04	0.01	0.01	0.03	<0.05	<0.2
B625146		0.43	3.4	1	17	20	8.5	5.82	0.11	<0.01	0.02	0.11	<0.05	<0.2
B625147		0.22	0.3	1	15	15	8.6	48.00	0.01	<0.01	0.02	0.01	<0.05	<0.2
B625148		0.40	0.3	1	17	17	8.9	54.40	0.01	<0.01	<0.01	0.01	<0.05	<0.2
B625149		0.37	0.6	1	13	14	8.5	22.40	0.02	<0.01	0.02	0.02	<0.05	<0.2
B625150		0.60	<0.3	1	15	15	8.9	96.00	<0.01	<0.01	0.01	<0.01	<0.05	<0.2
B625151		0.43	<0.3	1	16	16	8.4	102.40	<0.01	<0.01	0.01	<0.01	<0.05	<0.2
B625152		0.37	<0.3	1	15	15	8.4	96.00	<0.01	<0.01	0.02	<0.01	<0.05	<0.2
B625153		0.36	<0.3	1	25	25	8.3	160.00	<0.01	<0.01	0.01	<0.01	<0.05	<0.2



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To: BAFFINLAND IRON MINES CORPORATION
2275 UPPER MIDDLE ROAD EAST
SUITE 300
OAKVILLE ON L6H 0C3

Page: 3 – A
Total # Pages: 3 (A)
Plus Appendix Pages
Finalized Date: 25-MAR-2022
Account: BIMCIO

Project: Pulps for ABA

CERTIFICATE OF ANALYSIS VA22026504

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	OA-VOL08 MPA tCaCO ₃ /1kt 0.3	OA-VOL08 FIZZ RAT Unity 1	OA-VOL08 NNP tCaCO ₃ /1kt 1	OA-VOL08 NP tCaCO ₃ /1kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 Ratio (N Unity 0.01	S-IR08 S % 0.01	S-GRA06 S % 0.01	S-GRA06a S % 0.01	S-CAL06 S % 0.01	C-GAS05 C % 0.05	C-GAS05 CO ₂ % 0.2
B625154		0.46	0.3	1	14	14	9.1	44.80	0.01	<0.01	0.02	0.01	<0.05	<0.2
B625155		0.33	2.5	1	15	17	8.1	6.80	0.08	<0.01	0.01	0.08	<0.05	<0.2
B625156		0.45	<0.3	1	26	26	8.2	166.40	<0.01	<0.01	0.01	<0.01	<0.05	<0.2
B625157		0.39	2.8	1	20	23	8.3	8.18	0.09	<0.01	0.02	0.09	<0.05	<0.2
B625158		0.30	<0.3	1	26	26	8.3	166.40	<0.01	<0.01	<0.01	<0.01	<0.05	<0.2
B625159		0.14	0.3	1	14	14	8.9	44.80	0.01	<0.01	0.01	0.01	<0.05	<0.2
B625160		0.11	0.6	1	14	15	8.4	24.00	0.02	<0.01	0.02	0.02	<0.05	<0.2
B625161		0.40	0.3	1	10	10	9.2	32.00	0.01	<0.01	0.03	0.01	<0.05	<0.2
B625162		0.40	<0.3	1	5	5	9.2	32.00	<0.01	0.01	<0.01	<0.01	<0.05	<0.2
B625163		0.73	<0.3	1	17	17	8.2	108.80	<0.01	<0.01	<0.01	<0.01	0.06	0.2



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Account: BIMCIO

Project: Pulps for ABA

CERTIFICATE OF ANALYSIS	VA22026504
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CERTIFICATE COMMENTS	
Applies to Method:	<div>LABORATORY ADDRESSES</div> <div>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. C-GAS05 PUL-31 S-GRA06a</div> <div>LOG-21 PUL-QC S-IR08</div> <div>OA-ELE07 S-CAL06 SPL-21X</div> <div>OA-VOL08 S-GRA06 WEI-21</div>



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To: BAFFINLAND IRON MINES CORPORATION
2275 UPPER MIDDLE ROAD EAST
SUITE 300
OAKVILLE ON L6H 0C3

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Account: BIMCIO

CERTIFICATE VA22028806

Project: Pulp for ABA
P.O. No.: 4500092191

This report is for 50 samples of Crushed Rock submitted to our lab in Vancouver, BC, Canada on 26-JAN-2022.

The following have access to data associated with this certificate:

TREVOR BRISCO
PAUL DAWE
FRED LAWRENCE
HAYLEY POTHIER
JUSTIN TUPPER

PAUL BRYDEN
JASON DUFF
JORDON MARSH
JACOB PRINCE
WARRICK WILLIAMS

JASON CHIASSON
SIMON FLEURY
SHAHE NACCASHIAN
MATTHEW TRACEY

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis
SND-01	Send samples to external laboratory

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
OA-SFE01	Shake Flask Analysis at ALSE	ICP-MS
MS14L-ANPH	Anions by ion chromatography	

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, Director, North Vancouver Operations



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To: BAFFINLAND IRON MINES CORPORATION
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Page: 2 – A
Total # Pages: 3 (A – C)
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Finalized Date: 30-MAR-2022
Account: BIMCIO

Project: Pulps for ABA

CERTIFICATE OF ANALYSIS VA22028806

Sample Description	Method Analyte Units LOD	OA-SFE01																							
		Ag mg/L	Al mg/L	As mg/L	B mg/L	Ba mg/L	Be mg/L	Bi mg/L	Ca mg/L	Cd mg/L	Co mg/L	Cr mg/L	Cu mg/L	Fe mg/L	Hg mg/L	K mg/L									
B625112		<0.00005	6.840	<0.001	0.05	0.016	<0.0005	<0.0005	<0.0005	0.8	<0.00005	0.0077	0.022	5.34	<0.00005	5.92									
B625113		<0.00005	0.638	<0.001	0.03	0.003	<0.0005	<0.0005	<0.0005	3.9	<0.0001	0.0010	<0.0005	0.35	<0.00005	15.10									
B625114		<0.00005	0.230	<0.001	0.03	0.002	<0.0005	<0.0005	<0.0005	4.3	<0.0005	<0.0005	<0.001	0.08	<0.00005	10.70									
B625115		<0.00005	2.040	<0.001	0.02	0.013	<0.0005	<0.0005	<0.0005	0.2	<0.00005	0.0008	<0.001	2.44	<0.00005	8.36									
B625116		<0.00005	16.600	<0.001	0.08	0.033	0.0007	<0.0005	<0.0005	0.3	<0.00005	0.0244	0.003	6.73	<0.00005	12.10									
B625117		<0.00005	14.400	<0.001	0.11	0.126	<0.0005	<0.0005	<0.0005	0.5	<0.00005	0.0026	0.014	9.96	<0.00005	14.40									
B625118		<0.00005	0.843	<0.001	0.03	0.005	<0.0005	<0.0005	<0.0005	1.1	<0.00005	0.0003	<0.001	1.32	<0.00005	6.10									
B625119		<0.00005	0.124	0.005	0.03	<0.001	<0.0005	<0.0005	<0.0005	0.3	<0.0003	<0.0005	<0.001	0.07	<0.00005	2.84									
B625120		<0.00005	2.160	<0.001	0.04	0.015	<0.0005	<0.0005	<0.0005	0.2	<0.00005	0.0004	<0.001	2.30	<0.00005	7.09									
B625121		<0.00005	0.005	<0.001	0.09	0.011	<0.0005	<0.0005	<0.0005	7.8	<0.00005	0.0001	<0.001	<0.03	<0.00005	14.80									
B625123		<0.00005	1.210	<0.001	0.02	<0.001	<0.0005	<0.0005	<0.0005	<0.1	<0.00005	0.0012	<0.001	2.37	<0.00005	0.48									
B625124		0.00010	1.640	<0.001	0.04	0.005	<0.0005	<0.0005	0.0006	<0.1	<0.00005	0.0002	<0.001	0.52	<0.00005	5.40									
B625126		<0.00005	0.130	<0.001	0.02	<0.001	<0.0005	<0.0005	<0.0005	0.7	<0.00005	<0.0001	<0.001	0.07	<0.00005	3.94									
B625127		<0.00005	0.025	<0.001	0.21	0.002	<0.0005	<0.0005	<0.0005	1.6	<0.00005	<0.0001	<0.001	<0.03	<0.00005	4.40									
B625128		<0.00005	0.473	<0.001	0.01	<0.001	<0.0005	<0.0005	<0.0005	0.3	<0.00005	0.0001	<0.001	0.44	<0.00005	2.21									
B625129		<0.00005	0.168	<0.001	0.02	0.001	<0.0005	<0.0005	<0.0005	0.6	<0.00005	0.0007	<0.001	0.11	<0.00005	4.05									
B625130		<0.00005	0.089	<0.001	<0.01	<0.001	<0.0005	<0.0005	<0.0005	0.4	<0.00005	0.0017	<0.001	0.06	<0.00005	1.74									
B625131		<0.00005	0.079	<0.001	<0.01	<0.001	<0.0005	<0.0005	<0.0005	0.8	<0.00005	0.0025	<0.001	<0.03	<0.00005	1.19									
B625132		<0.00005	0.160	<0.001	<0.01	<0.001	<0.0005	<0.0005	<0.0005	0.4	<0.00005	<0.0001	<0.001	0.06	<0.00005	4.05									
B625133		<0.00005	0.318	<0.001	0.02	0.002	<0.0005	<0.0005	<0.0005	0.5	<0.00005	0.0017	<0.001	0.50	<0.00005	4.42									
B625134		<0.00005	0.028	<0.001	0.02	<0.001	<0.0005	<0.0005	<0.0005	0.3	<0.00005	<0.0005	<0.001	<0.03	<0.00005	0.70									
B625135		<0.00005	0.123	<0.001	0.01	<0.001	<0.0005	<0.0005	<0.0005	0.3	<0.00005	0.0055	<0.001	0.09	<0.00005	2.38									
B625136		<0.00005	1.580	<0.001	0.09	0.005	<0.0005	<0.0005	<0.0005	0.3	<0.00005	0.0001	<0.001	0.45	<0.00005	12.70									
B625137		<0.00005	2.420	<0.001	0.05	0.019	<0.0005	<0.0005	<0.0005	<0.1	<0.00005	0.0003	0.001	0.95	<0.00005	9.33									
B625138		0.00006	2.320	<0.001	0.05	0.018	<0.0005	<0.0005	<0.0005	<0.1	<0.00005	0.0003	0.005	0.75	<0.00005	10.10									
B625139		<0.00005	1.510	<0.001	0.04	0.006	<0.0005	<0.0005	<0.0005	0.4	<0.00005	<0.0005	<0.001	0.57	<0.00005	5.55									
B625140		<0.00005	0.686	<0.001	0.03	0.002	<0.0005	<0.0005	<0.0005	0.3	<0.00005	0.0001	<0.001	0.24	<0.00005	6.07									
B625141		<0.00005	2.100	<0.001	0.01	0.018	<0.0005	<0.0005	<0.0005	<0.1	<0.00005	0.0004	0.003	0.92	<0.00005	9.32									
B625142		<0.00005	2.910	<0.001	0.01	0.017	<0.0005	<0.0005	<0.0005	<0.1	<0.00005	0.0004	0.002	1.07	<0.00005	8.21									
B625143		<0.00005	0.107	<0.001	0.02	<0.001	<0.0005	<0.0005	<0.0005	0.3	<0.00005	0.0001	<0.001	0.40	<0.00005	1.42									
B625144		0.00005	4.690	<0.001	0.06	0.025	<0.0005	<0.0005	<0.0005	1.3	<0.00005	0.0016	0.011	3.17	<0.00005	4.76									
B625145		<0.00005	0.226	<0.001	0.01	<0.001	<0.0005	<0.0005	<0.0005	0.2	<0.00005	0.0001	<0.001	0.29	<0.00005	2.99									
B625146		<0.00005	0.094	<0.001	<0.01	<0.001	<0.0005	<0.0005	<0.0005	1.4	<0.00005	<0.0001	<0.001	0.13	<0.00005	0.48									
B625147		<0.00005	6.360	<0.001	0.09	0.013	<0.0005	<0.0005	<0.0005	0.3	<0.0002	0.0007	0.020	1.60	<0.00005	9.51									
B625148		<0.00005	0.474	<0.001	0.03	0.004	<0.0005	<0.0005	<0.0005	4.8	<0.0002	<0.0001	<0.001	0.16	<0.00005	11.70									
B625149		<0.00005	3.330	<0.001	0.06	0.011	<0.0005	<0.0005	<0.0005	0.4	<0.0003	0.0004	0.007	1.05	<0.00005	6.84									
B625150		<0.00005	1.390	<0.001	0.02	0.006	<0.0005	<0.0005	<0.0005	1.5	<0.00005	0.0002	<0.001	0.50	<0.00005	12.50									
B625151		<0.00005	1.530	<0.001	0.08	0.004	<0.0005	<0.0005	<0.0005	0.4	<0.00005	0.0002	0.003	0.75	<0.00005	6.16									
B625152		0.00006	4.360	<0.001	0.03	0.015	<0.0005	<0.0005	0.0006	0.4	<0.0002	0.0010	0.019	3.20	<0.00005	5.77									
B625153		<0.00005	0.144	<0.001	0.02	<0.001	<0.0005	<0.0005	<0.0005	0.6	<0.00005	<0.0001	<0.001	0.13	<0.00005	2.23									



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Total # Pages: 3 (A – C)
Plus Appendix Pages
Finalized Date: 30-MAR-2022
Account: BIMCIO

Project: Pulps for ABA

CERTIFICATE OF ANALYSIS VA22028806

Sample Description	Method Analyte Units LOD	OA-SFE01 Li mg/L 0.005	OA-SFE01 Mg mg/L 0.05	OA-SFE01 Mn mg/L 0.0005	OA-SFE01 Mo mg/L 0.0001	OA-SFE01 Moisture %	OA-SFE01 Na mg/L 0.05	OA-SFE01 Ni mg/L 0.0005	OA-SFE01 Pb mg/L 0.0001	OA-SFE01 P mg/L 0.3	OA-SFE01 Sb mg/L 0.0001	OA-SFE01 Se mg/L 0.0005	OA-SFE01 Si mg/L 0.05	OA-SFE01 Sn mg/L 0.0005	OA-SFE01 Sr mg/L 0.0005	OA-SFE01 Ti mg/L 0.01
B625112		0.011	6.34	0.0431	0.0040	<0.3	0.84	0.0162	0.0004	<0.3	<0.0001	0.0006	11.40	<0.0005	0.0066	0.02
B625113		0.011	2.74	0.0054	0.0716	<0.3	4.58	<0.0005	0.0008	<0.3	0.0001	<0.0005	4.98	<0.0005	0.0058	0.01
B625114		0.007	3.80	0.0039	0.0179	<0.3	4.42	<0.0005	<0.0001	<0.3	0.0001	<0.0005	3.07	<0.0005	0.0069	<0.01
B625115		<0.005	2.24	0.0059	0.0243	<0.3	1.45	0.0022	0.0002	<0.3	<0.0001	<0.0005	5.58	<0.0005	0.0016	0.04
B625116		0.014	6.44	0.0700	0.0067	<0.3	1.48	0.0090	0.0004	<0.3	<0.0001	<0.0005	27.20	<0.0005	0.0033	0.11
B625117		0.025	6.13	0.0791	0.0057	<0.3	1.43	0.0032	0.0018	<0.3	<0.0001	<0.0005	22.00	0.0006	0.0091	0.38
B625118		<0.005	3.25	0.0044	0.0504	<0.3	1.95	0.0011	<0.0001	<0.3	<0.0001	<0.0005	3.48	<0.0005	0.0044	0.01
B625119		<0.005	6.26	0.0023	0.4100	<0.3	0.84	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	2.84	<0.0005	0.0018	<0.01
B625120		<0.005	1.45	0.0096	0.0049	<0.3	1.95	0.0008	0.0002	<0.3	<0.0001	<0.0005	4.33	<0.0005	0.0014	0.04
B625121		0.013	213.00	0.0350	0.0010	<0.3	1.47	0.0006	<0.0001	<0.3	<0.0001	0.0007	3.75	<0.0005	0.0286	<0.01
B625123		<0.005	4.19	0.0127	0.0010	<0.3	0.25	0.0045	<0.0001	<0.3	<0.0001	<0.0005	5.06	<0.0005	<0.0005	<0.01
B625124		<0.005	0.48	0.0032	0.0114	<0.3	0.68	<0.0005	0.0001	<0.3	<0.0001	<0.0005	4.05	<0.0005	0.0005	0.02
B625126		<0.005	3.85	0.0031	0.0053	<0.3	0.67	<0.0005	<0.0001	<0.3	<0.0001	0.0007	1.76	<0.0005	0.0016	<0.01
B625127		0.087	15.10	0.0071	0.0013	<0.3	0.33	<0.0005	<0.0001	<0.3	<0.0001	0.0009	2.30	<0.0005	0.0064	<0.01
B625128		<0.005	2.07	0.0049	0.0047	<0.3	0.32	0.0012	<0.0001	<0.3	<0.0001	<0.0005	2.17	<0.0005	0.0008	<0.01
B625129		<0.005	4.28	0.0035	0.0049	<0.3	0.80	<0.0005	<0.0001	<0.3	<0.0001	0.0029	2.20	<0.0005	0.0038	<0.01
B625130		<0.005	4.49	0.0047	0.0074	<0.3	0.35	<0.0005	<0.0001	<0.3	<0.0001	0.0022	1.70	<0.0005	0.0029	<0.01
B625131		<0.005	6.25	0.0035	0.0036	<0.3	0.30	<0.0005	<0.0001	<0.3	<0.0001	0.0015	2.11	<0.0005	0.0028	<0.01
B625132		<0.005	5.92	0.0025	0.0069	<0.3	0.56	<0.0005	<0.0001	<0.3	<0.0001	0.0008	1.93	<0.0005	0.0035	<0.01
B625133		<0.005	5.02	0.0113	0.0048	<0.3	0.48	0.0029	<0.0001	<0.3	<0.0001	0.0008	2.52	<0.0005	0.0028	<0.01
B625134		<0.005	10.10	0.0177	0.0024	<0.3	0.20	<0.0005	<0.0001	<0.3	<0.0001	0.0025	4.13	<0.0005	0.0029	<0.01
B625135		<0.005	3.34	0.0021	0.0053	<0.3	0.45	<0.0005	<0.0001	<0.3	<0.0001	0.0015	2.00	<0.0005	0.0016	<0.01
B625136		0.013	0.77	0.0040	0.0038	<0.3	1.20	<0.0005	0.0003	<0.3	<0.0001	<0.0005	4.37	<0.0005	0.0037	0.02
B625137		0.006	0.53	0.0077	0.0041	<0.3	1.01	<0.0005	0.0005	<0.3	<0.0001	<0.0005	5.16	<0.0005	0.0012	0.04
B625138		0.010	0.74	0.0090	0.0052	<0.3	1.11	<0.0005	0.0003	<0.3	<0.0001	<0.0005	5.61	<0.0005	0.0016	0.03
B625139		0.010	1.34	0.0049	0.0020	<0.3	0.78	0.0007	<0.0001	<0.3	<0.0001	<0.0005	3.72	<0.0005	0.0032	<0.01
B625140		<0.005	1.39	0.0015	0.0032	<0.3	0.67	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	2.36	<0.0005	0.0018	<0.01
B625141		0.007	0.50	0.0077	0.0051	<0.3	0.97	<0.0005	0.0002	<0.3	<0.0001	<0.0005	4.65	<0.0005	0.0008	0.04
B625142		<0.005	0.64	0.0079	0.0004	<0.3	1.15	<0.0005	0.0003	<0.3	<0.0001	<0.0005	5.49	<0.0005	0.0006	0.03
B625143		<0.005	9.64	0.0182	0.0033	<0.3	0.31	0.0014	<0.0001	<0.3	<0.0001	0.0034	7.59	<0.0005	0.0020	<0.01
B625144		0.006	2.44	0.0244	0.0013	<0.3	1.22	0.0017	0.0008	<0.3	<0.0001	<0.0005	9.61	<0.0005	0.0017	0.05
B625145		<0.005	2.95	0.0028	0.0041	<0.3	0.39	0.0009	<0.0001	<0.3	<0.0001	<0.0005	2.29	<0.0005	0.0011	<0.01
B625146		<0.005	4.28	0.0032	0.0015	<0.3	0.53	0.0006	<0.0001	<0.3	<0.0001	<0.0005	3.82	<0.0005	0.0015	<0.01
B625147		0.015	1.93	0.0148	0.2050	<0.3	1.26	0.0014	0.0002	<0.3	<0.0001	<0.0005	12.50	<0.0005	0.0032	0.03
B625148		<0.005	2.73	0.0068	0.2200	<0.3	3.12	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	4.62	<0.0005	0.0090	<0.01
B625149		0.007	1.48	0.0122	0.3550	<0.3	0.92	<0.0005	0.0002	<0.3	<0.0001	<0.0005	7.79	<0.0005	0.0021	0.02
B625150		<0.005	1.02	0.0079	0.0213	<0.3	2.80	<0.0005	0.0006	<0.3	0.0001	<0.0005	5.19	<0.0005	0.0020	0.02
B625151		0.006	1.26	0.0123	0.0345	<0.3	1.90	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	6.39	<0.0005	0.0011	0.01
B625152		0.008	3.44	0.0684	0.1590	<0.3	0.85	0.0010	0.0010	<0.3	<0.0001	<0.0005	10.20	<0.0005	0.0014	0.08
B625153		<0.005	3.15	<0.0005	0.0191	<0.3	1.21	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	2.19	<0.0005	0.0017	<0.01



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To: **BAFFINLAND IRON MINES CORPORATION**
2275 UPPER MIDDLE ROAD EAST
SUITE 300
OAKVILLE ON L6H 0C3

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Total # Pages: 3 (A – C)
Plus Appendix Pages
Finalized Date: 30-MAR-2022
Account: BIMCIO

Project: Pulps for ABA

CERTIFICATE OF ANALYSIS **VA22028806**

Sample Description	Method Analyte Units LOD	OA-SFE01 TI ppm 0.0001	OA-SFE01 U mg/L 0.00001	OA-SFE01 V mg/L 0.001	OA-SFE01 Zn mg/L 0.01	OA-SFE01 Hardness mg/L CaCO3e 0.6	OA-SFE01 Final pH Unity 0.1	MS14L-ANPH Br mg/L 0.05	MS14L-ANPH Cl mg/L 0.5	F mg/L 0.02	NO3 (as mg/L 0.005	SO4 mg/L 0.5	TDS mg/L 3	Conducti uS/cm 2	Alkalini mg/L CaCO3e 1
B625112		<0.0001	0.00027	0.004	<0.01	28.0	7.5	<0.05	1.1	0.24	0.021	2.6	68	41	12
B625113		<0.0001	0.00079	0.016	<0.01	20.9	8.7	<0.05	4.3	0.29	0.039	2.8	69	104	35
B625114		<0.0001	0.00053	0.005	<0.01	26.5	8.2	<0.05	4.4	0.47	0.091	4.2	61	101	33
B625115		<0.0001	0.00051	0.002	<0.01	9.8	7.5	<0.05	1.6	0.20	0.449	2.7	44	42	9
B625116		0.0001	0.00073	0.011	<0.01	27.2	7.9	<0.05	1.4	0.25	0.043	0.5	127	31	12
B625117		<0.0001	0.00066	0.013	0.03	26.5	8.2	<0.05	2.2	0.16	0.125	1.8	119	41	13
B625118		<0.0001	0.00011	0.001	<0.01	16.2	7.2	<0.05	3.6	0.17	0.081	2.4	36	53	10
B625119		<0.0001	<0.00001	<0.001	<0.01	26.5	7.4	<0.05	2.2	0.23	0.029	8.5	37	64	13
B625120		<0.0001	0.00025	0.003	<0.01	6.4	7.9	<0.05	1.8	0.14	0.229	<0.5	36	35	10
B625121		<0.0001	<0.00001	<0.001	<0.01	896	6.5	<0.3	<3	<0.1	0.564	856	1110	1420	5
B625123		<0.0001	0.00002	0.002	<0.01	17.2	7.3	<0.05	0.5	0.09	0.021	<0.5	28	21	9
B625124		<0.0001	0.00011	0.003	<0.01	2.0	7.7	<0.05	0.9	0.15	0.030	<0.5	25	21	7
B625126		<0.0001	<0.00001	<0.001	<0.01	17.5	7.1	<0.05	1.3	0.08	0.037	12.4	33	56	8
B625127		<0.0001	<0.00001	<0.001	<0.01	66.3	6.8	<0.2	1.7	0.05	0.043	55.5	89	154	6
B625128		<0.0001	0.00002	0.001	<0.01	9.2	7.4	<0.05	0.7	0.09	0.054	1.3	19	24	8
B625129		<0.0001	0.00001	<0.001	<0.01	19.0	7.3	<0.05	1.3	0.12	0.033	11.3	34	58	9
B625130		<0.0001	<0.00001	<0.001	<0.01	19.4	7.0	<0.05	0.9	0.06	0.062	6.6	24	44	7
B625131		<0.0001	<0.00001	<0.001	<0.01	27.8	7.0	<0.05	1.6	0.09	0.049	9.9	31	57	8
B625132		<0.0001	<0.00001	<0.001	<0.01	12.9	7.1	<0.05	1.1	0.09	0.039	4.4	23	40	7
B625133		<0.0001	<0.00001	<0.001	<0.01	21.8	7.0	<0.05	1.2	0.05	0.069	8.4	33	55	8
B625134		<0.0001	0.00001	<0.001	<0.01	42.3	6.9	<0.05	1.4	0.17	0.105	18.9	48	85	8
B625135		<0.0001	<0.00001	<0.001	<0.01	14.4	7.3	<0.05	1.1	0.09	0.089	5.8	25	39	9
B625136		<0.0001	0.00032	0.004	<0.01	3.8	8.1	<0.05	0.8	0.15	0.033	0.9	40	45	16
B625137		<0.0001	0.00018	0.004	<0.01	2.2	8.2	<0.05	<0.5	0.15	0.025	<0.5	35	30	11
B625138		<0.0001	0.00072	0.005	<0.01	3.1	8.1	<0.05	<0.5	0.13	0.035	1.1	38	34	11
B625139		<0.0001	0.00032	0.001	<0.01	6.6	7.6	<0.05	0.5	0.09	0.161	1.1	29	30	11
B625140		<0.0001	0.00007	0.001	<0.01	6.4	7.2	<0.05	0.8	0.09	0.237	2.1	24	33	7
B625141		<0.0001	0.00024	0.005	<0.01	2.1	8.0	<0.05	<0.5	0.15	0.021	1.4	35	31	11
B625142		<0.0001	0.00100	0.004	<0.01	2.7	8.0	<0.05	0.7	0.12	0.034	<0.5	36	26	10
B625143		<0.0001	0.00002	<0.001	<0.01	40.4	6.9	<0.05	0.7	0.11	0.038	22.5	61	86	8
B625144		<0.0001	0.00032	0.003	0.03	13.3	7.0	<0.05	0.9	0.10	0.464	<0.5	51	30	7
B625145		<0.0001	<0.00001	<0.001	<0.01	12.7	7.2	<0.05	0.7	0.09	0.025	2.9	22	36	9
B625146		<0.0001	<0.00001	<0.001	<0.01	21.2	7.2	<0.05	0.6	0.13	0.048	4.4	29	46	11
B625147		<0.0001	0.00056	0.005	<0.01	8.8	7.2	<0.05	0.7	0.27	0.057	0.7	62	34	9
B625148		<0.0001	0.00055	0.003	<0.01	23.1	8.5	<0.05	1.2	0.33	0.020	0.7	59	88	36
B625149		<0.0001	0.00024	0.003	<0.01	7.0	7.0	<0.05	0.7	0.27	0.106	0.7	41	29	7
B625150		<0.0001	0.00168	0.005	<0.01	8.0	8.4	<0.05	2.4	0.26	0.020	1.0	51	59	22
B625151		<0.0001	0.00031	0.005	<0.01	6.1	7.3	<0.05	2.0	0.36	0.065	1.0	38	35	8
B625152		<0.0001	0.00085	0.006	0.01	15.1	7.5	<0.05	0.8	0.28	0.040	0.6	53	25	9
B625153		<0.0001	0.00002	<0.001	<0.01	14.4	7.5	<0.05	2.7	0.18	0.062	2.0	26	42	12



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To: BAFFINLAND IRON MINES CORPORATION
2275 UPPER MIDDLE ROAD EAST
SUITE 300
OAKVILLE ON L6H 0C3

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Project: Pulps for ABA

CERTIFICATE OF ANALYSIS VA22028806

Sample Description	Method Analyte Units LOD	OA-SFE01 Ag mg/L 0.00005	OA-SFE01 Al mg/L 0.005	OA-SFE01 As mg/L 0.001	OA-SFE01 B mg/L 0.01	OA-SFE01 Ba mg/L 0.001	OA-SFE01 Be mg/L 0.0005	OA-SFE01 Bi mg/L 0.0005	OA-SFE01 Ca mg/L 0.1	OA-SFE01 Cd mg/L 0.00005	OA-SFE01 Co mg/L 0.0001	OA-SFE01 Cr mg/L 0.0005	OA-SFE01 Cu mg/L 0.001	OA-SFE01 Fe mg/L 0.03	OA-SFE01 Hg mg/L 0.00005	OA-SFE01 K mg/L 0.05
B625154		<0.00005	2.130	<0.001	0.02	0.021	<0.0005	<0.0005	0.2	<0.00005	0.0005	<0.0005	<0.001	2.02	<0.00005	15.50
B625155		<0.00005	0.112	<0.001	<0.01	<0.001	<0.0005	<0.0005	0.6	<0.00005	<0.0001	0.0075	<0.001	0.19	<0.00005	0.58
B625156		<0.00005	1.200	<0.001	0.01	<0.001	<0.0005	<0.0005	0.4	<0.00005	0.0007	0.0011	<0.001	2.14	<0.00005	0.96
B625157		<0.00005	0.061	<0.001	0.01	0.003	<0.0005	<0.0005	1.3	<0.00005	<0.0001	0.0010	<0.001	<0.03	<0.00005	10.10
B625158		<0.00005	0.206	<0.001	0.02	<0.001	<0.0005	<0.0005	1.2	<0.00005	<0.0001	<0.0005	<0.001	0.29	<0.00005	2.54
B625159		<0.0001	15.500	0.007	0.07	0.296	<0.001	<0.001	0.4	<0.0001	0.0051	0.0076	0.008	30.50	<0.00005	55.50
B625160		<0.00005	2.120	<0.001	0.06	0.020	<0.0005	<0.0005	0.5	<0.00005	0.0004	0.0006	0.001	1.49	<0.00005	46.20
B625161		0.00010	4.230	<0.001	0.01	0.022	<0.0005	0.0008	0.3	0.00020	0.0017	0.0013	0.020	2.95	<0.00005	6.36
B625162		0.00015	2.710	<0.001	0.02	0.003	0.0006	<0.0005	0.2	<0.0004	0.0003	<0.0005	0.011	0.69	<0.00005	7.28
B625163		<0.00005	0.270	<0.001	0.02	0.002	<0.0005	<0.0005	8.0	0.00007	<0.0001	0.0005	0.002	0.08	<0.00005	4.49



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To: BAFFINLAND IRON MINES CORPORATION
2275 UPPER MIDDLE ROAD EAST
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OAKVILLE ON L6H 0C3

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Project: Pulps for ABA

CERTIFICATE OF ANALYSIS VA22028806

Sample Description	Method Analyte Units LOD	OA-SFE01 Li mg/L 0.005	OA-SFE01 Mg mg/L 0.05	OA-SFE01 Mn mg/L 0.0005	OA-SFE01 Mo mg/L 0.0001	OA-SFE01 Moisture % 0.3	OA-SFE01 Na mg/L 0.05	OA-SFE01 Ni mg/L 0.0005	OA-SFE01 Pb mg/L 0.0001	OA-SFE01 P mg/L 0.3	OA-SFE01 Sb mg/L 0.0001	OA-SFE01 Se mg/L 0.0005	OA-SFE01 Si mg/L 0.05	OA-SFE01 Sn mg/L 0.0005	OA-SFE01 Sr mg/L 0.0005	OA-SFE01 Ti mg/L 0.01
B625154		<0.005	1.12	0.0061	0.0325	<0.3	1.12	0.0012	0.0004	<0.3	<0.0001	<0.0005	5.29	<0.0005	0.0028	0.06
B625155		<0.005	4.61	0.0038	0.0025	<0.3	0.20	0.0009	<0.0001	<0.3	<0.0001	<0.0005	2.41	<0.0005	0.0017	<0.01
B625156		<0.005	4.08	0.0264	0.0018	<0.3	0.48	0.0020	<0.0001	<0.3	<0.0001	<0.0005	6.02	<0.0005	0.0011	<0.01
B625157		<0.005	7.65	0.0049	0.0023	<0.3	1.16	<0.0005	<0.0001	<0.3	<0.0001	0.0007	2.30	<0.0005	0.0040	<0.01
B625158		<0.005	4.31	0.0007	0.0228	<0.3	0.75	0.0007	<0.0001	<0.3	<0.0001	<0.0005	3.01	<0.0005	0.0059	<0.01
B625159		0.018	6.04	0.1240	0.0462	<0.3	4.05	0.0110	0.0040	<0.6	0.0002	0.0013	24.00	<0.001	0.0056	0.96
B625160		0.007	2.65	0.0092	0.0351	<0.3	4.01	0.0007	0.0004	<0.3	0.0002	0.0006	4.81	<0.0005	0.0038	0.09
B625161		0.008	2.03	0.0685	0.0415	<0.3	3.33	0.0019	0.0143	<0.3	<0.0001	<0.0005	9.72	0.0006	0.0015	0.11
B625162		0.010	0.68	0.0185	0.2140	<0.3	3.08	<0.0005	0.0291	<0.3	0.0004	<0.0005	8.60	0.0006	0.0008	0.01
B625163		<0.005	3.18	0.0128	0.0147	<0.3	4.50	<0.0005	0.0012	<0.3	<0.0001	<0.0005	3.80	<0.0005	0.0068	<0.01



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CERTIFICATE OF ANALYSIS VA22028806

Sample Description	Method Analyte Units LOD	OA-SFE01 TI ppm 0.0001	OA-SFE01 U mg/L 0.00001	OA-SFE01 V mg/L 0.001	OA-SFE01 Zn mg/L 0.01	OA-SFE01 Hardness mg/L CaCO ₃ e 0.6	OA-SFE01 Final pH Unity 0.1	MS14L-ANPH Br mg/L 0.05	MS14L-ANPH Cl mg/L 0.5	F mg/L 0.02	NO ₃ (as mg/L 0.005	SO ₄ mg/L 0.5	TDS mg/L 3	Conducti uS/cm 2	Alkalini mg/L CaCO ₃ e 1
B625154		<0.0001	0.00044	0.002	<0.01	5.1	7.6	<0.05	0.7	0.15	0.103	13.5	56	62	7
B625155		<0.0001	<0.00001	<0.001	<0.01	20.4	6.9	<0.05	0.5	0.13	0.045	4.6	23	44	8
B625156		<0.0001	0.00006	0.002	<0.01	17.7	7.1	<0.05	0.8	0.14	0.039	1.2	32	26	8
B625157		<0.0001	<0.00001	<0.001	<0.01	34.7	7.0	<0.05	1.6	0.10	0.040	33.5	66	110	6
B625158		<0.0001	0.00003	<0.001	<0.01	20.7	7.6	<0.05	1.3	0.21	0.083	0.8	32	52	19
B625159		<0.0002	0.00128	0.018	<0.02	25.7	7.9	<0.05	2.1	0.81	0.508	7.3	211	180	35
B625160		<0.0001	0.00048	0.004	<0.01	12.3	8.0	<0.05	2.6	0.87	0.266	4.9	102	174	36
B625161		<0.0001	0.00401	0.008	0.03	9.1	8.2	<0.05	1.4	0.55	0.055	0.6	56	33	13
B625162		<0.0001	0.01110	<0.001	0.06	3.3	7.6	<0.05	1.8	0.93	0.309	1.3	50	37	10
B625163		<0.0001	0.01900	0.002	<0.01	33.1	7.9	<0.05	6.7	1.36	0.189	1.2	59	101	30



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To: BAFFINLAND IRON MINES CORPORATION
2275 UPPER MIDDLE ROAD EAST
SUITE 300
OAKVILLE ON L6H 0C3

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 30-MAR-2022
Account: BIMCIO

Project: Pulps for ABA

CERTIFICATE OF ANALYSIS VA22028806

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
FND-02 SND-01

Processed at ALSE Vancouver, Burnaby, BC, Canada.
MS14L-ANPH OA-SFE01

Applies to Method:

Applies to Method:



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Page: 1
Total # Pages: 2 (A)
Plus Appendix Pages
Finalized Date: 22-DEC-2022
Account: BIMCIO

CERTIFICATE VA22313226

Project: Pulps for ABA & Shake Flask

P.O. No.: 4500111469

This report is for 28 samples of Crushed Rock submitted to our lab in Vancouver, BC, Canada on 26-OCT-2022.

The following have access to data associated with this certificate:

TREVOR BRISCO
SIMON FLEURY
HAYLEY POTHIER
MELISSA ROSE

PAUL BRYDEN
FRED LAWRENCE
JACOB PRINCE
JHON SUAREZ

JASON DUFF
SHAHE NACCASHIAN
ROBERT ROBERTSON

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-32p	Pulverize 400 g – 85%<75um
SPL-34X	Pulp Split – For send out
LOG-21	Sample logging – ClientBarCode
PUL-QC	Pulverizing QC Test
LOG-23	Pulp Login – Rcvd with Barcode

ANALYTICAL PROCEDURES	
ALS CODE	DESCRIPTION
S-GRA06a	Sulfate Sulfur (HCl leachable)
OA-VOL08	Basic Acid Base Accounting
S-IR08	Total Sulphur (IR Spectroscopy)
OA-ELE07	Paste pH
S-CAL06	Sulfide Sulfur (calculated)
S-GRA06	Sulfate Sulfur-carbonate leach
C-GAS05	Inorganic Carbon (CO2)

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, Director, North Vancouver Operations



Project: Pulps for ABA & Shake Flask

CERTIFICATE OF ANALYSIS

VA22313226

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	OA-VOL08 MPA tCaCO ₃ /lkt	OA-VOL08 FIZZ RAT Unity	OA-VOL08 NNP tCaCO ₃ /lkt	OA-VOL08 NP tCaCO ₃ /lkt	OA-ELE07 pH Unity	OA-VOL08 Ratio (N Unity	S-IR08 S %	S-GRA06 S %	S-GRA06a S %	S-CAL06 S %	C-GAS05 C %	C-GAS05 CO ₂ %
B625265		0.35	1.3	1	13	14	10.0	11.20	0.04	<0.01	0.02	0.04	<0.05	<0.2
B625266		0.34	3.4	1	19	22	9.2	6.40	0.11	<0.01	0.03	0.11	<0.05	<0.2
B625267		0.35	0.3	1	23	23	8.5	73.60	0.01	<0.01	0.01	0.01	0.17	0.6
B625268		0.35	0.3	1	19	19	8.6	60.80	0.01	<0.01	0.03	0.01	0.07	0.3
B625269		0.38	<0.3	1	20	20	8.4	128.00	<0.01	<0.01	0.02	<0.01	<0.05	0.2
B625270		0.36	0.3	1	20	20	8.8	64.00	0.01	<0.01	0.02	0.01	0.09	0.3
B625271		0.35	0.6	2	59	60	8.7	96.00	0.02	<0.01	0.01	0.02	0.61	2.2
B625272		0.36	6.3	1	21	27	7.7	4.32	0.20	<0.01	0.05	0.35	<0.05	<0.2
B625274		0.35	10.9	1	13	24	7.9	2.19	0.35	<0.01	0.03	0.09	<0.05	<0.2
B625275		0.36	2.8	1	16	19	8.8	6.76	0.09	<0.01	0.04	0.04	<0.05	<0.2
B625276		0.36	0.3	1	8	8	9.0	25.60	0.01	<0.01	0.02	0.01	<0.05	<0.2
B625277		0.36	0.3	1	13	13	8.8	41.60	0.01	<0.01	0.03	0.01	<0.05	<0.2
B625278		0.38	0.6	1	15	16	9.7	25.60	0.02	<0.01	0.03	0.02	<0.05	<0.2
B625279		0.39	0.9	1	13	14	9.3	14.93	0.03	<0.01	0.02	0.03	<0.05	<0.2
B625280		0.36	1.3	1	23	24	8.1	19.20	0.04	<0.01	0.05	0.04	<0.05	<0.2
B625281		0.38	0.3	1	14	14	9.6	44.80	0.01	<0.01	0.02	0.01	<0.05	<0.2
B625282		0.35	1.3	1	9	10	9.5	8.00	0.04	<0.01	0.01	0.04	<0.05	<0.2
B625283		0.35	0.3	1	20	20	8.9	64.00	0.01	<0.01	0.02	0.01	<0.05	<0.2
B625284		0.34	<0.3	1	12	12	9.0	76.80	<0.01	<0.01	0.01	<0.01	<0.05	<0.2
B625285		0.36	0.3	1	13	13	8.7	41.60	0.01	<0.01	0.01	0.01	<0.05	<0.2
B625286		0.37	<0.3	1	18	18	9.1	115.20	<0.01	<0.01	0.02	<0.01	<0.05	<0.2
B625287		0.37	0.3	1	14	14	9.9	44.80	0.01	<0.01	0.02	0.01	<0.05	<0.2
B625288		0.39	2.2	1	16	18	8.9	8.23	0.07	<0.01	0.02	0.07	<0.05	<0.2
B625289		0.38	1.9	1	12	14	7.4	7.47	0.06	<0.01	0.08	0.06	<0.05	<0.2
B625290		0.38	0.6	1	13	14	9.6	22.40	0.02	<0.01	0.02	0.02	<0.05	<0.2
B625291		0.39	3.1	1	10	13	9.5	4.16	0.10	<0.01	0.03	0.10	<0.05	<0.2
B625292		0.37	2.2	1	15	17	8.9	7.77	0.07	<0.01	0.04	0.07	<0.05	<0.2
B625293		0.37	0.3	1	14	14	8.6	44.80	0.01	<0.01	0.02	0.01	<0.05	<0.2



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To: BAFFINLAND IRON MINES CORPORATION
2275 UPPER MIDDLE ROAD EAST
SUITE 300
OAKVILLE ON L6H 0C3

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 22-DEC-2022
Account: BIMCIO

Project: Pulps for ABA & Shake Flask

CERTIFICATE OF ANALYSIS	VA22313226
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CERTIFICATE COMMENTS	
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LABORATORY ADDRESSES

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. C-GAS05 OA-VOL08 S-GRA06 WEI-21	LOG-21 PUL-32p S-GRA06a	LOG-23 PUL-QC S-IR08	OA-ELE07 S-CAL06 SPL-34X
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Page: 1
Total # Pages: 3 (A)
Plus Appendix Pages
Finalized Date: 30-JAN-2023
Account: BIMCIO

CERTIFICATE VA22317803

Project: Pulps for ABA & Shake Flask

P.O. No.: 4500111469

This report is for 50 samples of Crushed Rock submitted to our lab in Vancouver, BC, Canada on 26-OCT-2022.

The following have access to data associated with this certificate:

TREVOR BRISCO
SIMON FLEURY
HAYLEY POTHIER
MELISSA ROSE

PAUL BRYDEN
FRED LAWRENCE
JACOB PRINCE
JHON SUAREZ

JASON DUFF
SHAHE NACCASHIAN
ROBERT ROBERTSON

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-32p	Pulverize 400 g – 85%<75um
LOG-21	Sample logging – ClientBarCode
SPL-34X	Pulp Split – For send out
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
S-GRA06a	Sulfate Sulfur (HCl leachable)	WST-SEQ
OA-VOL08	Basic Acid Base Accounting	
S-IR08	Total Sulphur (IR Spectroscopy)	LECO
OA-ELE07	Paste pH	LECO
S-CAL06	Sulfide Sulfur (calculated)	
S-GRA06	Sulfate Sulfur-carbonate leach	WST-SEQ
C-GAS05	Inorganic Carbon (CO2)	

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, Director, North Vancouver Operations



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Total # Pages: 3 (A)
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Finalized Date: 30-JAN-2023
Account: BIMCIO

Project: Pulps for ABA & Shake Flask

Certificate of Analysis VA22317803															
Sample Description	Method Analyte Units LOD	WEI-21	OA-VOL08	OA-VOL08	OA-VOL08	OA-VOL08	OA-ELE07	OA-VOL08	S-IR08	S-GRA06	S-GRA06a	S-CAL06	C-GAS05	C-GAS05	
		Recvd Wt. kg	MPA tCaCO3 / lKt	FIZZ RAT Unity	NNP tCaCO3 / lKt	NP tCaCO3 / lKt	pH Unity	Ratio (N Unity	S %	S %	S %	S %	C %	CO2 %	
B625164		0.47	0.9	1	2	3	9.2	3.20	0.03	0.01	<0.01	0.02	<0.05	<0.2	
B625165		0.44	3.1	1	14	17	9.2	5.44	0.10	0.01	0.03	0.09	<0.05	<0.2	
B625166		0.38	2.5	1	20	22	9.4	8.80	0.08	<0.01	0.04	0.08	<0.05	<0.2	
B625167		0.43	0.9	1	18	19	8.8	20.27	0.03	<0.01	0.01	0.03	<0.05	<0.2	
B625168		0.36	0.9	1	13	14	9.0	14.93	0.03	0.01	0.02	0.02	<0.05	<0.2	
B625169		0.38	3.1	1	14	17	8.5	5.44	0.10	0.01	0.03	0.09	<0.05	<0.2	
B625170		0.43	13.8	1	0	14	7.8	1.02	0.44	0.02	0.07	0.42	<0.05	<0.2	
B625171		0.38	0.6	1	11	12	9.3	19.20	0.02	<0.01	0.02	0.02	<0.05	<0.2	
B625172		0.38	0.6	1	9	10	9.0	16.00	0.02	<0.01	<0.01	0.02	<0.05	<0.2	
B625173		0.47	10.6	1	10	21	8.3	1.98	0.34	<0.01	0.17	0.34	<0.05	<0.2	
B625174		0.38	5.9	1	9	15	7.9	2.53	0.19	0.01	0.04	0.18	<0.05	<0.2	
B625175		0.50	11.9	1	4	16	8.0	1.35	0.38	0.01	0.03	0.37	<0.05	<0.2	
B625176		0.35	3.8	1	11	15	8.2	4.00	0.12	<0.01	0.04	0.12	<0.05	<0.2	
B625177		0.37	5.6	1	17	23	8.4	4.09	0.18	<0.01	0.02	0.18	<0.05	<0.2	
B625178		0.38	0.6	1	12	13	8.9	20.80	0.02	0.01	0.01	0.01	<0.05	<0.2	
B625179		0.43	1.3	1	17	18	9.0	14.40	0.04	<0.01	0.02	0.04	<0.05	<0.2	
B625180		0.44	16.3	1	-5	11	7.8	0.68	0.52	0.01	0.05	0.51	<0.05	<0.2	
B625181		0.41	4.7	1	9	14	8.2	2.99	0.15	<0.01	0.05	0.15	<0.05	<0.2	
B625182		0.39	0.6	1	10	11	8.7	17.60	0.02	0.01	0.01	0.01	<0.05	<0.2	
B625183		0.38	0.9	1	16	17	9.1	18.13	0.03	<0.01	0.03	0.03	<0.05	<0.2	
B625184		0.47	0.9	2	75	76	9.0	81.07	0.03	0.01	0.03	0.02	0.76	2.8	
B625185		0.40	0.3	1	15	15	8.9	48.00	0.01	<0.01	0.03	0.01	<0.05	<0.2	
B625186		0.40	0.9	1	23	24	9.2	25.60	0.03	0.01	<0.01	0.02	<0.05	<0.2	
B625187		0.37	0.6	1	14	15	8.8	24.00	0.02	0.01	0.04	0.01	<0.05	<0.2	
B625188		0.40	2.5	1	20	22	8.1	8.80	0.08	<0.01	0.03	0.08	<0.05	<0.2	
B625189		0.42	0.6	1	19	20	8.9	32.00	0.02	<0.01	0.02	0.02	<0.05	0.2	
B625190		0.42	0.9	1	3	4	9.4	4.27	0.03	0.01	<0.01	0.02	<0.05	<0.2	
B625191		0.54	2.5	1	15	17	9.2	6.80	0.08	0.01	0.04	0.07	<0.05	<0.2	
B625192		0.41	0.6	1	4	5	9.2	8.00	0.02	0.02	0.02	<0.01	<0.05	<0.2	
B625193		0.49	4.1	1	19	23	9.0	5.66	0.13	0.01	0.02	0.12	0.08	0.3	
B625194		0.41	3.4	1	19	22	7.5	6.40	0.11	0.01	0.03	0.10	<0.05	<0.2	
B625195		0.41	2.8	1	14	17	7.0	6.04	0.09	0.06	0.03	0.03	<0.05	<0.2	
B625196		0.43	1.6	1	20	22	7.6	14.08	0.05	0.01	0.04	0.04	<0.05	<0.2	
B625197		0.38	0.6	1	23	24	8.0	38.40	0.02	0.01	0.03	0.01	<0.05	<0.2	
B625199		0.40	2.8	1	21	24	8.0	8.53	0.09	<0.01	0.01	0.09	<0.05	<0.2	
B625200		0.45	1.6	1	16	18	7.9	11.52	0.05	0.01	0.04	0.04	<0.05	<0.2	
B625201		0.37	1.3	1	17	18	8.9	14.40	0.04	0.03	0.01	0.01	<0.05	<0.2	
B625202		0.38	0.6	1	30	31	8.7	49.60	0.02	0.01	0.01	0.01	0.19	0.7	
B625203		0.54	0.9	1	17	18	8.7	19.20	0.03	0.01	0.02	0.02	<0.05	<0.2	
B625204		0.39	0.6	1	14	15	9.2	24.00	0.02	0.01	0.01	0.01	<0.05	<0.2	



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Page: 3 – A
Total # Pages: 3 (A)
Plus Appendix Pages
Finalized Date: 30-JAN-2023
Account: BIMCIO

Project: Pulps for ABA & Shake Flask

CERTIFICATE OF ANALYSIS VA22317803

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	OA-VOL08 MPA tCaCO ₃ /lkt 0.3	OA-VOL08 FIZZ RAT Unity 1	OA-VOL08 NNP tCaCO ₃ /lkt 1	OA-VOL08 NP tCaCO ₃ /lkt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 Ratio (N Unity 0.01	S-IR08 S % 0.01	S-GRA06 S % 0.01	S-GRA06a S % 0.01	S-CAL06 S % 0.01	C-GAS05 C % 0.05	C-GAS05 CO ₂ % 0.2
B625205		0.38	0.3	1	4	4	9.5	12.80	0.01	0.01	<0.01	<0.01	<0.05	<0.2
B625210		0.48	3.1	1	12	15	7.3	4.80	0.10	<0.01	0.02	0.10	<0.05	<0.2
B625211		0.43	1.6	1	24	26	8.0	16.64	0.05	<0.01	0.01	0.05	<0.05	<0.2
B625212		<0.02	2.5	1	10	12	NSS	4.80	0.08	<0.01	0.03	0.08	<0.05	<0.2
B625213		0.37	0.6	1	23	24	8.1	38.40	0.02	0.01	0.02	0.01	<0.05	<0.2
B625214		0.46	10.0	1	5	15	8.1	1.50	0.32	0.01	0.01	0.31	<0.05	<0.2
B625215		0.46	7.5	1	14	21	8.0	2.80	0.24	0.01	<0.01	0.23	<0.05	<0.2
B625216		0.47	15.3	1	-1	14	8.2	0.91	0.49	0.01	0.03	0.48	<0.05	<0.2
B625217		0.43	12.2	1	9	21	8.0	1.72	0.39	0.02	0.01	0.37	<0.05	<0.2
B625218		0.61	3.8	1	12	16	8.1	4.27	0.12	0.01	0.01	0.11	<0.05	<0.2



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 30-JAN-2023
Account: BIMCIO

Project: Pulps for ABA & Shake Flask

CERTIFICATE OF ANALYSIS VA22317803

CERTIFICATE COMMENTS	
	<p>ANALYTICAL COMMENTS</p>
Applies to Method:	<p>NSS is non-sufficient sample. ALL METHODS</p>
Applies to Method:	<p>LABORATORY ADDRESSES</p> <p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <p>C-GAS05 PUL-32p S-GRA06a</p> <p>LOG-21 PUL-QC S-IR08</p> <p>OA-ELE07 S-CAL06 SPL-34X</p> <p>OA-VOL08 S-GRA06 WEI-21</p>



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Page: 1
Total # Pages: 3 (A)
Plus Appendix Pages
Finalized Date: 22-DEC-2022
Account: BIMCIO

CERTIFICATE VA22323721

Project: Pulps for ABA & Shake Flask

P.O. No.: 4500111469

This report is for 52 samples of Crushed Rock submitted to our lab in Vancouver, BC, Canada on 26-OCT-2022.

The following have access to data associated with this certificate:

TREVOR BRISCO
SIMON FLEURY
HAYLEY POTHIER
MELISSA ROSE

PAUL BRYDEN
FRED LAWRENCE
JACOB PRINCE
JHON SUAREZ

JASON DUFF
SHAHE NACCASHIAN
ROBERT ROBERTSON

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging – ClientBarCode
PUL-32p	Pulverize 400 g – 85% < 75um
SPL-34X	Pulp Split – For send out
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
S-GRA06a	Sulfate Sulfur (HCl leachable)	WST-SEQ
OA-VOL08	Basic Acid Base Accounting	
S-IR08	Total Sulphur (IR Spectroscopy)	LECO
OA-ELE07	Paste pH	
S-CAL06	Sulfide Sulfur (calculated)	LECO
S-GRA06	Sulfate Sulfur-carbonate leach	WST-SEQ
C-GAS05	Inorganic Carbon (CO2)	

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, Director, North Vancouver Operations



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To: **BAFFINLAND IRON MINES CORPORATION**
2275 UPPER MIDDLE ROAD EAST
SUITE 300
OAKVILLE ON L6H 0C3

Page: 2 – A
Total # Pages: 3 (A)
Plus Appendix Pages
Finalized Date: 22-DEC-2022
Account: BIMCIO

Project: Pulps for ABA & Shake Flask

CERTIFICATE OF ANALYSIS VA22323721

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	OA-VOL08 MPA tCaCO ₃ /lkt 0.3	OA-VOL08 FIZZ RAT Unity 1	OA-VOL08 NNP tCaCO ₃ /lkt 1	OA-VOL08 NNP tCaCO ₃ /lkt 1	OA-VOL08 NP tCaCO ₃ /lkt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 Ratio (N Unity 0.01	S-IR08 S % 0.01	S-GRA06 S % 0.01	S-GRA06a S % 0.01	S-CAL06 S % 0.01	C-GAS05 C % 0.05	C-GAS05 CO ₂ % 0.2
B625206		0.23	0.6	1	11	12	12	9.5	19.20	0.02	0.02	0.01	<0.01	<0.05	<0.2
B625207		0.42	0.6	1	13	14	14	9.1	22.40	0.02	0.01	0.01	0.01	<0.05	<0.2
B625208		0.41	0.6	1	14	15	15	9.0	24.00	0.02	<0.01	0.02	0.02	<0.05	<0.2
B625209		0.40	0.9	1	13	14	14	9.2	14.93	0.03	<0.01	0.02	0.03	<0.05	<0.2
B625219		0.33	4.1	1	14	18	18	8.9	4.43	0.13	<0.01	0.02	0.13	<0.05	<0.2
B625220		0.32	3.1	1	11	14	14	9.3	4.48	0.10	0.02	0.01	0.08	<0.05	<0.2
B625221		0.41	0.6	1	17	18	18	8.8	28.80	0.02	0.01	0.01	0.01	<0.05	<0.2
B625222		0.40	1.3	1	15	16	16	8.3	12.80	0.04	<0.01	0.01	0.04	<0.05	<0.2
B625223		0.41	2.2	1	20	22	22	8.3	10.06	0.07	0.01	0.01	0.06	<0.05	<0.2
B625224		0.50	0.9	1	11	12	12	9.6	12.80	0.03	0.01	0.01	0.02	<0.05	<0.2
B625225		0.42	0.3	1	13	13	13	9.5	41.60	0.01	0.03	<0.01	<0.01	<0.05	<0.2
B625226		0.48	0.3	1	15	15	15	9.8	48.00	0.01	0.01	0.01	<0.01	<0.05	<0.2
B625227		0.38	0.3	1	15	15	15	9.6	48.00	0.01	<0.01	<0.01	<0.01	<0.05	<0.2
B625228		0.37	0.9	1	18	19	19	8.2	20.27	0.03	0.05	0.02	<0.01	<0.05	<0.2
B625229		0.38	4.1	1	10	14	14	7.9	3.45	0.13	0.01	0.01	0.12	<0.05	<0.2
B625230		0.40	3.4	1	13	16	16	8.1	4.65	0.11	<0.01	0.01	0.11	<0.05	<0.2
B625231		0.61	0.3	1	11	11	11	8.7	35.20	0.01	<0.01	0.02	0.01	<0.05	<0.2
B625232		0.58	0.3	1	16	16	16	8.6	51.20	0.01	<0.01	0.02	0.01	<0.05	<0.2
B625233		0.37	1.3	1	15	16	16	8.7	12.80	0.04	<0.01	0.04	0.04	<0.05	<0.2
B625234		0.35	1.3	1	17	18	18	9.0	14.40	0.04	<0.01	0.02	0.04	<0.05	<0.2
B625235		0.34	0.3	1	15	15	15	8.6	48.00	0.01	<0.01	0.01	0.01	<0.05	<0.2
B625236		0.34	0.3	1	26	26	26	8.5	83.20	0.01	<0.01	0.03	0.01	<0.05	<0.2
B625237		0.33	0.6	1	14	15	15	8.8	24.00	0.02	<0.01	0.01	0.02	<0.05	<0.2
B625238		0.42	1.3	1	22	23	23	9.1	18.40	0.04	<0.01	0.02	0.04	<0.05	<0.2
B625239		0.55	1.6	1	12	14	14	8.3	8.96	0.05	<0.01	0.04	0.05	<0.05	<0.2
B625240		0.41	2.8	1	21	24	24	8.9	8.53	0.09	<0.01	0.02	0.09	0.07	0.3
B625241		0.26	0.6	1	14	15	15	9.7	24.00	0.02	<0.01	0.02	0.02	<0.05	<0.2
B625242		0.28	13.4	1	11	24	24	8.3	1.79	0.43	<0.01	0.03	0.43	<0.05	<0.2
B625243		0.41	16.9	1	-3	14	14	7.9	0.83	0.54	<0.01	0.03	0.54	<0.05	<0.2
B625244		0.32	8.8	1	9	18	18	8.0	2.06	0.28	<0.01	0.09	0.28	<0.05	<0.2
B625245		0.35	12.8	1	11	24	24	8.1	1.87	0.41	<0.01	0.04	0.41	<0.05	<0.2
B625246		0.26	4.4	1	25	29	29	8.3	6.63	0.14	<0.01	0.06	0.14	<0.05	<0.2
B625247		0.47	4.7	1	14	19	19	8.1	4.05	0.15	<0.01	0.01	0.15	<0.05	<0.2
B625248		0.50	0.9	1	19	20	20	8.2	21.33	0.03	<0.01	0.03	0.03	<0.05	<0.2
B625249		0.50	7.2	1	12	19	19	8.4	2.64	0.23	<0.01	0.01	0.23	<0.05	<0.2
B625250		0.36	6.9	1	12	19	19	8.4	2.76	0.22	<0.01	0.04	0.22	<0.05	<0.2
B625251		0.36	0.6	1	26	27	27	8.2	43.20	0.02	<0.01	0.03	0.02	<0.05	<0.2
B625252		0.34	0.9	1	28	29	29	8.5	30.93	0.03	<0.01	0.03	0.03	<0.05	0.2
B625253		0.34	1.9	1	23	25	25	8.4	13.33	0.06	<0.01	0.02	0.06	<0.05	<0.2
B625254		0.33	3.4	1	9	12	12	8.9	3.49	0.11	<0.01	<0.01	0.11	<0.05	<0.2



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To: BAFFINLAND IRON MINES CORPORATION
2275 UPPER MIDDLE ROAD EAST
SUITE 300
OAKVILLE ON L6H 0C3

Page: 3 – A
Total # Pages: 3 (A)
Plus Appendix Pages
Finalized Date: 22-DEC-2022
Account: BIMCIO

Project: Pulps for ABA & Shake Flask

CERTIFICATE OF ANALYSIS VA22323721

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	OA-VOL08 MPA tCaCO ₃ /1Kt 0.3	OA-FIZZ RAT Unity 1	OA-VOL08 NNIP tCaCO ₃ /1Kt 1	OA-VOL08 NP tCaCO ₃ /1Kt 1	OA-ELE07 pH Unity 0.1	OA-VOL08 Ratio (N) Unity 0.01	S-IR08 S % 0.01	S-GRA06 S % 0.01	S-GRA06a S % 0.01	S-CAL06 S % 0.01	C-GAS05 C % 0.05	C-GAS05 CO ₂ % 0.2
B625255		0.33	0.3	1	24	24	8.9	76.80	0.01	<0.01	0.01	0.01	<0.05	<0.2
B625256		0.33	2.5	1	11	13	9.5	5.20	0.08	<0.01	0.01	0.08	<0.05	<0.2
B625257		0.34	2.2	1	12	14	8.4	6.40	0.07	<0.01	0.01	0.07	<0.05	<0.2
B625258		0.35	0.6	1	12	13	8.7	20.80	0.02	<0.01	0.02	0.02	<0.05	<0.2
B625259		0.33	0.3	1	16	16	8.9	51.20	0.01	<0.01	0.03	0.01	<0.05	<0.2
B625260		0.34	0.6	1	16	17	9.6	27.20	0.02	<0.01	0.01	0.02	<0.05	<0.2
B625261		0.34	1.3	1	15	16	8.0	12.80	0.04	<0.01	0.03	0.04	<0.05	<0.2
B625262		0.32	6.9	1	10	17	8.5	2.47	0.22	<0.01	0.03	0.22	<0.05	<0.2
B625263		0.37	0.3	1	13	13	9.1	41.60	0.01	<0.01	0.01	0.01	<0.05	<0.2
B625264		0.32	0.9	1	23	24	8.2	25.60	0.03	<0.01	0.01	0.03	0.17	0.6
S664546		0.34	0.3	1	7	7	9.9	22.40	0.01	<0.01	0.03	0.01	<0.05	<0.2
S664547		0.35	0.3	1	6	6	9.8	19.20	0.01	<0.01	<0.01	0.01	<0.05	<0.2



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Account: BIMCIO

Project: Pulps for ABA & Shake Flask

CERTIFICATE OF ANALYSIS	VA22323721
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CERTIFICATE COMMENTS	
Applies to Method:	<div>LABORATORY ADDRESSES</div> <div>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</div> <div><div>C-GAS05 PUL-32p S-GRA06a</div><div>LOG-21 PUL-QC S-IR08</div><div>OA-ELE07 S-CAL06 SPL-34X</div><div>OA-VOL08 S-GRA06 WEI-21</div></div>



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Total # Pages: 2 (A - C)
Plus Appendix Pages
Finalized Date: 23-DEC-2022
Account: BIMCIO

CERTIFICATE VA22323758

Project: Pulps for ABA & Shake Flask

P.O. No.: 4500111469

This report is for 28 samples of Pulp submitted to our lab in Vancouver, BC, Canada on 26-OCT-2022.

The following have access to data associated with this certificate:

TREVOR BRISCO
SIMON FLEURY
HAYLEY POTHIER
MELISSA ROSE

PAUL BRYDEN
FRED LAWRENCE
JACOB PRINCE
JHON SUAREZ

JASON DUFF
SHAHE NACCASHIAN
ROBERT ROBERTSON

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis
SND-01	Send samples to external laboratory

ANALYTICAL PROCEDURES	
ALS CODE	DESCRIPTION
OA-SFE01	Shake Flask Analysis at ALSE
MST4L-ANPH	Anions by ion chromatography
	ICP-MS

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.
***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, Director, North Vancouver Operations



Project: Pulps for ABA & Shake Flask

CERTIFICATE OF ANALYSIS **VA22323758**

Sample Description	Method Analyte Units LOD	OA-SFE01	OA-SFE01	OA-SFE01	OA-SFE01	OA-SFE01	OA-SFE01	OA-SFE01	OA-SFE01	OA-SFE01	OA-SFE01	OA-SFE01	OA-SFE01	OA-SFE01	OA-SFE01	OA-SFE01
		Ag mg/L 0.00005	Al mg/L 0.005	As mg/L 0.001	B mg/L 0.01	Ba mg/L 0.001	Be mg/L 0.0005	Bi mg/L 0.0005	Ca mg/L 0.1	Cd mg/L 0.00005	Co mg/L 0.0001	Cr mg/L 0.0005	Cu mg/L 0.001	Fe mg/L 0.03	Hg mg/L 0.00005	K mg/L 0.05
B625265		0.00015	16.400	0.004	0.03	0.209	<0.001	0.3	<0.0001	0.0032	0.0021	0.008	8.92	<0.00005	110.00	
B625266		<0.00005	8.720	<0.001	0.04	0.062	0.0005	0.2	<0.00005	0.0014	0.0011	0.002	7.06	<0.00005	74.70	
B625267		<0.00005	1.040	<0.001	0.11	0.021	<0.0005	10.7	<0.00005	0.0003	0.0006	0.003	0.65	<0.00005	27.50	
B625268		<0.00005	2.140	<0.001	0.08	0.036	<0.0005	6.1	<0.00005	0.0008	0.0007	0.003	1.45	<0.00005	27.00	
B625269		<0.00005	0.541	<0.001	0.07	0.009	<0.0005	4.3	<0.00005	0.0001	<0.0005	<0.001	0.38	<0.00005	23.30	
B625270		<0.00005	3.770	<0.001	0.06	0.058	<0.0005	5.0	<0.00005	0.0014	0.0015	0.003	3.05	<0.00005	32.20	
B625271		<0.00005	0.151	<0.001	0.17	0.013	<0.0005	18.6	<0.00005	<0.0001	<0.0005	0.005	0.03	<0.00005	20.70	
B625272		<0.00005	0.027	<0.001	0.17	0.017	<0.0005	4.9	<0.00005	<0.0001	<0.0005	<0.001	<0.03	<0.00005	25.30	
B625274		<0.00005	0.203	<0.001	0.05	<0.001	<0.0005	0.3	<0.00005	<0.0001	<0.0005	<0.001	0.12	<0.00005	0.77	
B625275		<0.00005	4.040	<0.001	0.31	0.030	<0.0005	0.3	<0.00005	0.0011	0.0091	0.007	3.13	<0.00005	40.30	
B625276		0.00010	20.900	<0.001	0.11	0.126	0.0007	0.2	<0.00005	0.0035	0.0064	0.030	10.80	<0.00005	48.10	
B625277		<0.0003	21.300	<0.005	0.22	0.244	<0.003	0.6	<0.0003	0.0030	<0.003	0.017	10.20	<0.00005	42.70	
B625278		<0.0001	16.200	<0.002	0.10	0.128	<0.001	2.9	<0.0001	0.0069	0.0180	0.014	16.70	<0.00005	82.80	
B625279		<0.0003	26.600	<0.005	0.14	0.245	<0.003	<0.5	<0.0003	0.0041	0.0032	0.054	21.60	<0.00005	62.40	
B625280		<0.00005	0.137	<0.001	0.02	<0.001	<0.0005	0.8	<0.00005	<0.0001	0.0062	<0.001	0.19	<0.00005	0.67	
B625281		<0.0003	25.700	<0.005	0.19	0.451	<0.003	0.9	<0.0003	0.0050	0.0033	0.019	19.90	<0.00005	59.40	
B625282		<0.0001	18.300	<0.002	0.05	0.388	<0.001	0.6	<0.0001	0.0042	0.0030	0.015	14.10	<0.00005	48.70	
B625283		<0.00005	4.960	<0.001	0.06	0.032	<0.0005	0.2	<0.00005	0.0012	0.0007	<0.001	6.21	<0.00005	43.20	
B625284		<0.0003	17.500	<0.005	0.12	0.073	<0.003	<0.5	<0.0003	0.0029	<0.003	0.016	7.30	<0.00005	35.10	
B625285		<0.0003	19.600	<0.005	0.35	0.066	<0.003	1.0	<0.0003	0.0032	<0.003	<0.005	9.63	<0.00005	32.70	
B625286		<0.0001	8.770	<0.002	0.06	0.066	<0.001	0.4	<0.0001	0.0019	0.0011	0.003	6.94	<0.00005	40.80	
B625287		<0.0001	22.000	<0.002	0.05	0.316	<0.001	1.6	<0.0001	0.0043	0.0027	0.007	29.70	<0.00005	92.90	
B625288		<0.00005	4.980	<0.001	0.04	0.077	<0.0005	0.3	<0.00005	0.0015	0.0322	0.014	3.64	<0.00005	31.40	
B625289		<0.00005	0.061	<0.001	<0.01	<0.001	<0.0005	2.1	<0.00005	<0.0001	<0.0005	<0.001	<0.03	<0.00005	1.25	
B625290		<0.0003	19.100	<0.005	0.06	0.309	<0.003	2.8	<0.0003	0.0040	0.0061	0.012	11.40	<0.00005	72.70	
B625291		<0.0003	21.000	<0.005	0.18	0.249	<0.003	1.4	<0.0003	0.0039	0.0031	0.016	11.50	<0.00005	61.00	
B625292		<0.0003	23.500	<0.005	0.12	0.182	<0.003	<0.5	<0.0003	0.0044	<0.003	0.005	20.40	<0.00005	80.90	
B625293		<0.0003	17.600	<0.005	0.12	0.094	<0.003	<0.5	<0.0003	0.0030	<0.003	<0.005	9.74	<0.00005	53.80	