



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

Page: 1
Total # Pages: 3 (A – C)
Plus Appendix Pages
Finalized Date: 25-MAR-2021
Account: BIMCIO

CERTIFICATE VA21044878

Project: Pulps for ABA

P.O. No.: 4500073289

This report is for 60 samples of Pulp submitted to our lab in Baffinland, NU, Canada on 24-FEB-2021.

The following have access to data associated with this certificate:

TREVOR BRISCO
JASON DUFF
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ELEANOR GRANT
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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	
MS14L-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 VA21044878

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
S666640+S666641		<0.00005	<0.005	<0.001	0.39	0.008	<0.0005	<0.0005	4.6	<0.00005	0.0152	<0.0005	<0.001	<0.03	<0.00005	6.28
S666613+S666610		<0.00005	0.024	<0.001	0.07	0.003	<0.0005	<0.0005	9.6	<0.00005	0.0002	<0.0005	<0.001	<0.03	<0.00005	16.10
S667367+S667371		<0.00005	0.136	<0.001	0.03	<0.001	<0.0005	<0.0005	0.5	<0.00005	<0.0001	<0.0005	<0.001	<0.03	<0.00005	5.33
S667379+S667378		<0.00005	0.109	<0.001	0.05	0.001	<0.0005	<0.0005	0.9	<0.00005	<0.0001	<0.0005	<0.001	<0.03	<0.00005	6.99
S667404+S667429		<0.00005	0.160	<0.001	0.03	0.001	<0.0005	<0.0005	0.9	<0.00005	<0.0001	0.0008	<0.001	<0.03	<0.00005	9.10
S667408+S667411		<0.00005	0.142	<0.001	0.03	0.002	<0.0005	<0.0005	1.2	<0.00005	<0.0001	0.0024	<0.001	<0.03	<0.00005	9.79
S667453+S667451		<0.00005	0.090	<0.001	0.02	0.002	<0.0005	<0.0005	1.6	<0.00005	<0.0001	<0.0005	<0.001	<0.03	<0.00005	8.09
S667446+S667445		<0.00005	0.042	<0.001	0.04	0.002	<0.0005	<0.0005	2.8	<0.00005	<0.0001	0.0029	<0.001	<0.03	<0.00005	7.12
S667442+S667495		<0.00005	0.114	<0.001	0.04	0.002	<0.0005	<0.0005	1.5	<0.00005	<0.0001	0.0017	<0.001	<0.03	<0.00005	7.91
S667470+S667498		<0.00005	0.032	<0.001	0.31	0.002	<0.0005	<0.0005	2.0	<0.00005	<0.0001	<0.0005	<0.001	<0.03	<0.00005	4.29
S667483+S667488		<0.00005	0.129	<0.001	0.04	0.002	<0.0005	<0.0005	1.2	<0.00005	<0.0001	0.0009	<0.001	<0.03	<0.00005	11.50
S667485+S667494		<0.00005	0.112	<0.001	0.09	0.003	<0.0005	<0.0005	1.4	<0.00005	<0.0001	<0.0005	<0.001	<0.03	<0.00005	10.80
S667491+S667487		<0.00005	0.089	<0.001	0.02	0.001	<0.0005	<0.0005	1.5	<0.00005	<0.0001	0.0012	<0.001	<0.03	<0.00005	6.91
S667555+S667554		<0.00005	0.118	<0.001	0.04	0.002	<0.0005	<0.0005	1.1	<0.00005	<0.0001	0.0019	<0.001	<0.03	<0.00005	6.28
S667557+S667497		<0.00005	0.048	<0.001	0.03	0.003	<0.0005	<0.0005	2.2	<0.00005	<0.0001	0.0030	<0.001	<0.03	<0.00005	5.62
S667496+S667500		<0.00005	0.051	<0.001	0.03	0.002	<0.0005	<0.0005	3.0	<0.00005	<0.0001	0.0033	<0.001	<0.03	<0.00005	6.18
S667928+S667908		<0.00005	0.118	0.002	0.24	0.001	<0.0005	<0.0005	1.1	<0.00005	<0.0001	0.0009	<0.001	<0.03	<0.00005	10.00
S667963+S667907		<0.00005	0.098	<0.001	0.24	<0.001	<0.0005	<0.0005	1.3	<0.00005	<0.0001	0.0007	<0.001	<0.03	<0.00005	9.04
S667905+S667977		<0.00005	0.060	<0.001	0.24	0.001	<0.0005	<0.0005	1.3	<0.00005	<0.0001	0.0005	<0.001	0.03	<0.00005	5.66
S667902+S667900		<0.00005	0.038	<0.001	0.09	<0.001	<0.0005	<0.0005	2.1	<0.00005	<0.0001	0.0007	<0.001	<0.03	<0.00005	2.03
S667949+S667933		<0.00005	0.009	<0.001	0.08	<0.001	<0.0005	<0.0005	1.7	<0.00005	0.0003	<0.0005	<0.001	<0.03	<0.00005	2.28
S667922+S667950		<0.00005	0.019	<0.001	0.07	<0.002	<0.0005	<0.0005	5.1	<0.00005	0.0001	<0.0005	<0.001	<0.03	<0.00005	4.89
S668211+S668212		<0.00005	0.079	<0.001	0.12	0.001	<0.0005	<0.0005	7.2	<0.00005	<0.0001	0.0021	<0.001	<0.03	<0.00005	2.47
S667772+S667770		<0.00005	0.151	<0.001	0.07	0.002	<0.0005	<0.0005	5.0	<0.00005	<0.0001	<0.0005	<0.001	<0.03	<0.00005	3.28
S668186+S667869		<0.00005	0.273	<0.001	<0.01	<0.001	<0.0005	<0.0005	0.5	<0.00005	<0.0001	0.0020	<0.001	<0.03	<0.00005	2.61
S668222+S668223		<0.00005	0.030	<0.001	0.04	<0.001	<0.0005	<0.0005	1.4	<0.00005	<0.0001	<0.0005	<0.001	<0.03	<0.00005	1.58
S668169+S667791		<0.00005	0.063	<0.001	0.03	0.002	<0.0005	<0.0005	4.2	<0.00005	<0.0001	<0.0005	<0.001	<0.03	<0.00005	11.60
S667892+S667898		<0.00005	0.123	<0.001	0.35	<0.001	<0.0005	<0.0005	2.3	<0.00005	<0.0001	0.0011	<0.001	0.13	<0.00005	2.23
S667765+S667790		<0.00005	0.045	<0.001	0.04	0.002	<0.0005	<0.0005	6.9	<0.00005	<0.0001	<0.0005	<0.001	<0.03	<0.00005	5.63
S668162+S668208		<0.00005	0.046	<0.001	0.05	0.001	<0.0005	<0.0005	3.0	<0.00005	<0.0001	0.0007	<0.001	<0.03	<0.00005	7.92
S667810+S667808		<0.00005	0.036	<0.001	0.05	0.003	<0.0005	<0.0005	4.7	<0.00005	<0.0001	<0.0005	<0.001	<0.03	<0.00005	5.64
S667864+S667825		<0.00005	<0.005	<0.001	0.09	0.004	<0.0005	<0.0005	16.8	<0.00005	0.0004	<0.0005	<0.001	<0.03	<0.00005	7.00
S668537+S668538		<0.00005	5.330	<0.001	0.07	0.059	<0.0005	<0.0005	0.2	<0.00005	0.0009	0.0009	0.002	4.47	<0.00005	47.90
S668536+S668539		<0.00005	4.350	<0.001	0.07	0.070	<0.0005	<0.0005	0.2	<0.00005	0.0008	0.0006	0.002	4.07	<0.00005	45.90
S666542+S666557		<0.00005	0.091	<0.001	0.06	0.002	<0.0005	<0.0005	3.0	<0.00005	<0.0001	<0.0005	<0.001	0.07	<0.00005	3.28
S108739+S108760		<0.00005	7.920	<0.001	0.07	0.076	<0.0005	<0.0005	0.2	<0.00005	0.0009	0.0007	0.004	4.52	<0.00005	36.80
S108881+S108885		<0.00005	15.500	0.002	0.16	0.348	0.0013	<0.0005	0.3	<0.00005	0.0018	0.0015	0.008	8.27	<0.00005	27.60
S108886+S666176		<0.00005	15.900	<0.001	0.19	0.260	0.0014	<0.0005	0.3	<0.00005	0.0029	0.0013	0.011	9.31	<0.00005	30.10
S108960+S108965		<0.00005	15.900	0.001	0.30	0.209	0.0013	<0.0005	0.5	<0.00005	0.0048	0.0019	0.047	8.79	<0.00005	30.10
S108977+S108979		<0.00005	16.200	0.003	0.18	0.540	0.0014	<0.0005	0.4	<0.00005	0.0032	0.0020	0.021	7.38	<0.00005	31.00



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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
S666640+S666641		0.136	136.00	1.5600	<0.0001	1.4	1.02	0.0277	<0.0001	<0.3	<0.0001	0.0024	9.98	<0.0005	0.0299	<0.01
S666613+S666610		0.006	86.80	0.0674	0.0029	1.1	2.75	<0.0005	<0.0001	<0.3	<0.0001	0.0022	3.78	<0.0005	0.0085	<0.01
S667367+S667371		<0.005	16.80	0.0040	0.0073	0.5	0.60	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	1.66	<0.0005	0.0039	<0.01
S667379+S667378		<0.005	18.30	0.0037	0.0048	0.7	0.87	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	2.08	<0.0005	0.0066	<0.01
S667404+S667429		<0.005	12.60	0.0028	0.0062	0.6	1.05	<0.0005	<0.0001	<0.3	0.0001	<0.0005	2.18	<0.0005	0.0057	<0.01
S667408+S667411		<0.005	14.70	0.0023	0.0065	0.8	0.99	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	2.31	<0.0005	0.0042	<0.01
S667453+S667451		<0.005	10.90	0.0052	0.0072	0.9	2.27	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	3.17	<0.0005	0.0029	<0.01
S667446+S667445		<0.005	15.70	0.0034	0.0112	1.4	1.63	<0.0005	<0.0001	<0.3	<0.0001	0.0008	4.85	<0.0005	0.0046	<0.01
S667442+S667495		<0.005	11.40	0.0038	0.0073	0.6	1.39	<0.0005	<0.0001	<0.3	<0.0001	0.0012	2.44	<0.0005	0.0044	<0.01
S667470+S667498		0.101	19.30	0.0075	0.0199	1.2	0.67	0.0016	<0.0001	<0.3	<0.0001	0.0010	4.91	<0.0005	0.0101	<0.01
S667483+S667488		<0.005	7.66	0.0027	0.0073	0.8	2.05	0.0014	<0.0001	<0.3	<0.0001	<0.0005	2.89	<0.0005	0.0045	<0.01
S667485+S667494		<0.005	9.01	0.0033	0.0044	1.0	1.80	<0.0005	<0.0001	<0.3	<0.0001	0.0006	2.82	<0.0005	0.0048	<0.01
S667491+S667487		<0.005	9.48	0.0024	0.0259	0.8	1.73	<0.0005	<0.0001	<0.3	<0.0001	0.0006	2.84	<0.0005	0.0029	<0.01
S667555+S667554		<0.005	10.40	0.0020	0.0081	0.6	1.02	<0.0005	<0.0001	<0.3	0.0002	0.0005	2.56	<0.0005	0.0030	<0.01
S667557+S667497		<0.005	17.20	0.0050	0.0061	1.1	1.02	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	3.21	<0.0005	0.0046	<0.01
S667496+S667500		<0.005	19.00	0.0037	0.0205	0.8	0.96	<0.0005	<0.0001	<0.3	<0.0001	0.0018	3.14	<0.0005	0.0041	<0.01
S667928+S667908		0.029	12.90	0.0018	0.0030	0.8	2.85	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	2.77	<0.0005	0.0068	<0.01
S667963+S667907		0.022	13.90	0.0016	0.0038	0.6	3.25	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	2.90	<0.0005	0.0087	<0.01
S667905+S667977		0.033	18.50	0.0064	0.0027	0.8	1.33	<0.0005	<0.0001	<0.3	0.0001	0.0014	6.76	<0.0005	0.0065	<0.01
S667902+S667900		0.014	21.60	0.0172	0.0059	1.1	1.04	0.0010	<0.0001	<0.3	<0.0001	0.0025	6.41	<0.0005	0.0062	<0.01
S667949+S667933		0.012	45.40	0.0481	0.0027	1.5	0.81	0.0019	<0.0001	<0.3	<0.0001	0.0081	10.20	<0.0005	0.0068	<0.01
S667922+S667950		0.012	79.60	0.0392	0.0016	1.4	1.58	0.0006	<0.0001	<0.3	<0.0001	0.0129	5.03	<0.0005	0.0368	<0.01
S668211+S668212		0.010	10.80	0.0021	0.0036	0.7	2.57	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	3.45	<0.0005	0.0119	<0.01
S667772+S667770		0.007	8.75	0.0010	0.0061	<0.3	1.81	<0.0005	<0.0001	<0.3	<0.0001	0.0009	3.80	<0.0005	0.0197	<0.01
S668186+S667869		<0.005	15.90	0.0012	0.0015	0.4	0.49	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	1.43	<0.0005	0.0030	<0.01
S668222+S668223		0.023	9.52	0.0008	0.0038	0.8	0.59	<0.0005	<0.0001	<0.3	<0.0001	0.0023	7.89	<0.0005	0.0077	<0.01
S668169+S667791		<0.005	40.00	0.0205	0.0095	1.0	3.23	<0.0005	<0.0001	<0.3	<0.0001	0.0012	3.55	<0.0005	0.0066	<0.01
S667892+S667898		0.027	11.00	0.0014	0.0004	1.4	2.34	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	4.30	<0.0005	0.0058	<0.01
S667765+S667790		<0.005	61.80	0.0286	0.0050	1.1	3.37	<0.0005	<0.0001	<0.3	<0.0001	0.0010	3.70	<0.0005	0.0046	<0.01
S668162+S668208		0.007	56.30	0.0166	0.0037	1.1	1.90	<0.0005	<0.0001	<0.3	<0.0001	0.0010	3.82	<0.0005	0.0058	<0.01
S667810+S667808		0.010	36.40	0.0069	0.0181	2.2	2.04	<0.0005	<0.0001	<0.3	<0.0001	0.0058	4.45	<0.0005	0.0209	<0.01
S667864+S667825		0.040	240.00	0.3210	0.0001	3.4	1.48	0.0020	<0.0001	<0.3	<0.0001	0.0058	6.82	<0.0005	0.0508	<0.01
S668537+S668538		0.006	3.32	0.0286	0.0500	0.3	3.29	0.0011	0.0004	<0.3	0.0002	<0.0005	8.51	<0.0005	0.0040	0.17
S668536+S668539		0.006	3.17	0.0255	0.0438	0.3	3.91	0.0009	0.0003	<0.3	<0.0001	<0.0005	7.26	<0.0005	0.0033	0.13
S666542+S666557		0.005	7.58	0.0024	0.0041	0.8	1.55	<0.0005	<0.0001	<0.3	<0.0001	0.0005	4.07	<0.0005	0.0070	<0.01
S108739+S108760		0.008	2.89	0.0234	0.0365	0.3	2.82	0.0010	0.0004	<0.3	0.0002	<0.0005	12.90	<0.0005	0.0039	0.17
S108881+S108885		0.046	4.39	0.0511	0.0126	0.3	2.53	0.0020	0.0012	<0.3	<0.0001	<0.0005	19.90	<0.0005	0.0040	0.33
S108886+S666176		0.044	5.88	0.0899	0.0083	0.3	3.60	0.0043	0.0015	<0.3	<0.0001	<0.0005	21.50	<0.0005	0.0065	0.25
S108960+S108965		0.106	6.36	0.0597	0.0140	0.5	2.79	0.0057	0.0019	<0.3	0.0001	0.0011	20.20	<0.0005	0.0127	0.22
S108977+S108979		0.051	5.34	0.0566	0.0021	0.3	3.00	0.0029	0.0032	<0.3	0.0001	<0.0005	20.50	<0.0005	0.0087	0.28



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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	MS14L-ANPH F mg/L 0.02	MS14L-ANPH NO3 (as) mg/L 0.005	MS14L-ANPH SO4 mg/L 0.5	MS14L-ANPH TDS mg/L 3	MS14L-ANPH Conducti uS/cm 2	MS14L-ANPH Alkalini mg/L CaCO3e 1
S666640+S666641		<0.0001	0.00001	<0.001	<0.01	572	5.9	<0.3	9.1	<0.1	0.309	537	725	1060	2
S666613+S666610		<0.0001	<0.00001	<0.001	<0.01	381	6.6	<0.3	2.9	0.22	1.140	346	484	770	8
S667367+S667371		<0.0001	<0.00001	<0.001	<0.01	70.5	7.4	<0.05	1.6	0.21	0.329	<0.5	47	162	24
S667379+S667378		<0.0001	<0.00001	<0.001	<0.01	77.6	7.2	<0.05	1.5	0.26	0.721	1.0	55	177	25
S667404+S667429		<0.0001	<0.00001	<0.001	<0.01	54.1	7.4	<0.05	1.7	0.32	0.758	2.0	52	141	22
S667408+S667411		<0.0001	<0.00001	<0.001	<0.01	63.4	7.4	<0.05	2.6	0.29	0.654	0.7	58	165	28
S667453+S667451		<0.0001	<0.00001	<0.001	<0.01	48.9	7.2	<0.05	2.0	0.34	1.370	2.9	56	136	20
S667446+S667445		<0.0001	<0.00001	<0.001	<0.01	71.5	7.4	<0.05	2.3	0.39	8.03	5.5	98	196	23
S667442+S667495		<0.0001	<0.00001	<0.001	<0.01	50.6	7.3	<0.05	2.2	0.36	0.713	4.5	53	134	21
S667470+S667498		<0.0001	0.00003	<0.001	<0.01	84.5	7.2	0.06	4.7	0.23	0.290	40.4	94	202	11
S667483+S667488		<0.0001	<0.00001	<0.001	<0.01	34.6	7.4	<0.05	3.3	0.37	1.120	2.1	55	116	21
S667485+S667494		<0.0001	<0.00001	<0.001	<0.01	40.6	7.4	<0.05	2.7	0.37	1.120	4.5	58	124	22
S667491+S667487		<0.0001	<0.00001	<0.001	<0.01	42.8	7.4	<0.05	2.6	0.35	0.469	5.4	51	119	20
S667555+S667554		<0.0001	<0.00001	<0.001	<0.01	45.6	7.3	<0.05	2.0	0.47	0.643	3.2	48	121	20
S667557+S667497		<0.0001	<0.00001	<0.001	<0.01	76.2	7.3	<0.05	2.0	0.33	12.80	3.7	109	215	19
S667496+S667500		<0.0001	<0.00001	<0.001	<0.01	85.8	7.2	<0.05	2.0	0.51	1.150	43.3	101	212	19
S667928+S667908		<0.0001	<0.00001	<0.001	<0.01	55.9	7.3	0.11	9.4	0.45	0.347	1.0	61	156	22
S667963+S667907		<0.0001	<0.00001	<0.001	<0.01	60.6	7.2	0.13	13.6	0.29	0.370	4.5	69	168	21
S667905+S667977		<0.0001	0.00002	<0.001	<0.01	79.5	7.1	<0.05	4.3	0.43	0.409	36.6	100	192	18
S667902+S667900		<0.0001	0.00002	<0.001	<0.01	94.2	7.2	<0.05	3.6	0.40	0.364	49.3	111	213	20
S667949+S667933		<0.0001	0.00001	<0.001	<0.01	191.0	6.9	<0.05	2.7	0.38	0.502	133.0	222	362	11
S667922+S667950		<0.0001	<0.00001	<0.001	<0.01	340	6.9	<0.05	3.1	0.15	0.432	289	404	628	8
S668211+S668212		<0.0001	<0.00001	<0.001	<0.01	62.4	7.9	0.11	7.6	0.57	0.638	7.3	75	144	40
S667772+S667770		<0.0001	0.00003	<0.001	<0.01	48.5	7.7	0.13	9.0	0.34	0.489	3.2	62	114	30
S668186+S667869		<0.0001	<0.00001	<0.001	<0.01	66.8	7.5	<0.05	1.1	0.32	1.300	1.7	49	136	24
S668222+S668223		<0.0001	<0.00001	<0.001	<0.01	42.6	7.2	<0.05	3.4	0.61	7.17	2.9	79	115	10
S668169+S667791		<0.0001	<0.00001	<0.001	<0.01	175.0	7.0	<0.05	1.6	0.60	2.80	141.0	230	388	9
S667892+S667898		<0.0001	<0.00001	<0.001	<0.01	51.1	7.6	0.08	7.4	0.93	0.397	<0.5	57	117	26
S667765+S667790		<0.0001	0.00001	<0.001	<0.01	272	7.0	<0.05	2.2	0.43	0.226	239	337	524	9
S668162+S668208		<0.0001	0.00002	<0.001	<0.01	239	6.9	<0.05	1.4	0.38	2.21	202	298	476	8
S667810+S667808		<0.0001	0.00002	<0.001	<0.01	162.0	7.6	<0.05	3.5	0.60	1.790	110.0	199	335	26
S667864+S667825		<0.0001	<0.00001	<0.001	<0.01	1030	6.2	<0.5	6.4	<0.2	0.785	979	1280	1580	4
S668537+S668538		<0.0001	0.00022	0.006	<0.01	14.2	7.9	<0.05	2.2	0.84	0.374	3.4	113	159	27
S668536+S668539		<0.0001	0.00019	0.004	<0.01	13.6	7.8	<0.05	2.2	0.72	0.301	5.9	108	158	26
S666542+S666557		<0.0001	0.00001	<0.001	<0.01	38.8	7.4	0.05	4.4	0.33	0.455	5.2	50	95	19
S108739+S108760		<0.0001	0.00027	0.006	<0.01	12.3	7.6	<0.05	2.0	0.56	0.598	8.7	117	121	20
S108881+S108885		0.0001	0.00096	0.011	<0.01	18.7	8.0	<0.05	2.0	0.60	0.347	2.0	134	80	23
S108886+S666176		0.0001	0.00134	0.013	<0.01	25.0	7.9	<0.05	2.0	0.73	1.690	1.6	154	102	30
S108960+S108965		<0.0001	0.00070	0.009	0.03	27.5	7.5	<0.05	1.6	0.62	0.403	4.6	143	99	23
S108977+S108979		0.0001	0.00161	0.013	0.03	22.9	8.0	<0.05	1.7	0.62	0.430	3.6	142	91	24



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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 VA21044878

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
S108991+S108995		<0.00005	13.000	<0.001	0.12	0.180	0.0006	<0.0005	0.3	<0.00005	0.0020	0.0031	0.005	5.83	<0.0003	45.00
S666051+S666054		0.00010	12.900	<0.001	0.04	0.228	<0.0005	<0.0005	0.2	<0.00005	0.0016	0.0011	0.006	5.85	<0.0003	49.50
S666084+S666089		<0.00005	10.300	<0.001	0.22	0.106	0.0006	<0.0005	0.3	<0.00005	0.0016	0.0010	0.005	4.57	<0.0003	31.50
S666113+S666119		<0.00005	8.310	<0.001	0.11	0.109	0.0005	0.0008	0.3	<0.00005	0.0016	0.0024	0.010	4.87	<0.0003	31.50
S666123+S666125		<0.00005	8.800	<0.001	0.20	0.083	0.0011	<0.0005	0.2	<0.00005	0.0014	0.0009	0.003	4.03	<0.0003	26.90
S666131+S666132		<0.00005	10.300	<0.001	0.20	0.099	0.0013	<0.0005	0.3	<0.00005	0.0017	0.0010	0.004	5.13	<0.0003	28.40
S666144+S666146		<0.00005	7.850	<0.001	0.08	0.081	0.0005	<0.0005	0.2	<0.00005	0.0013	0.0013	0.007	4.27	<0.0003	28.80
S666147+S666148		<0.00005	8.780	<0.001	0.07	0.115	<0.0005	<0.0005	0.2	<0.00005	0.0014	0.0014	0.007	4.17	<0.0003	30.80
S666151+S666153		<0.00005	7.490	<0.001	0.18	0.065	0.0010	<0.0005	0.2	<0.00005	0.0013	0.0011	0.004	3.66	<0.0003	24.00
S666301+S666299		0.00010	8.960	0.001	0.03	0.094	<0.0005	<0.0005	0.2	<0.00005	0.0016	0.0011	0.013	6.20	<0.0003	39.50
S666302+S666300		<0.00005	0.203	<0.001	0.06	0.002	<0.0005	<0.0005	0.4	<0.00005	<0.0001	<0.0005	<0.001	<0.03	<0.00005	27.40
S666909+S666954		<0.00005	8.430	<0.001	0.12	0.074	0.0009	<0.0005	0.1	<0.00005	0.0012	0.0006	0.006	3.98	<0.0003	29.40
S666939+S666964		<0.00005	7.540	<0.001	0.21	0.066	0.0010	<0.0005	0.4	<0.00005	0.0013	0.0020	0.003	3.71	<0.0003	32.10
S666947+S666948		<0.00005	7.180	<0.001	0.14	0.067	0.0009	<0.0005	0.2	<0.00005	0.0011	0.0008	0.003	3.49	<0.0003	28.40
S666974+S667165		<0.00005	0.007	<0.001	0.17	0.003	<0.0005	<0.0005	1.8	<0.00005	0.0003	<0.0005	<0.001	<0.03	<0.00005	1.72
S667190+S667145		<0.00005	0.038	<0.001	0.23	0.010	<0.0005	<0.0005	1.2	<0.00005	<0.0001	<0.0005	<0.001	<0.03	<0.00005	18.60
S667217+S667058		<0.00005	0.104	<0.001	0.07	0.003	<0.0005	<0.0005	0.7	<0.00005	<0.0001	0.0021	<0.001	<0.03	<0.00005	23.20
S667236+S667275		<0.00005	0.040	<0.001	0.32	0.009	<0.0005	<0.0005	1.5	<0.00005	<0.0001	<0.0005	<0.001	<0.03	<0.00005	10.50
S668744+S668745		0.00006	12.600	<0.001	0.16	0.040	0.0007	0.0025	0.6	0.00007	0.0010	0.0007	0.030	3.43	<0.0003	31.10
S666663+S666664		<0.00005	0.841	<0.001	0.05	0.012	<0.0005	<0.0005	10.7	<0.00005	0.0001	0.0005	0.004	0.40	<0.0003	17.40



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

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CERTIFICATE OF ANALYSIS VA21044878

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
		Li	Mg	Mn	Mo	Moisture	Na	Ni	Pb	P	Sb	Se	Si	Sn	Sr
		mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		0.005	0.05	0.0005	0.0001	0.3	0.05	0.0005	0.0001	0.3	0.0001	0.0005	0.05	0.0005	0.0005
S108991+S108995		0.035	4.52	0.0544	0.0052	0.6	3.83	0.0040	0.0041	0.3	<0.0001	<0.0005	15.10	<0.0005	0.0062
S666051+S666054		0.010	3.71	0.0563	0.0081	0.4	3.46	0.0015	0.0070	0.5	<0.0001	<0.0005	16.10	<0.0005	0.0037
S666084+S666089		0.066	3.66	0.0447	0.0011	0.7	3.73	0.0019	0.0008	<0.3	<0.0001	<0.0005	13.50	<0.0005	0.0081
S666113+S666119		0.017	2.90	0.0397	0.0066	0.4	3.23	0.0020	0.0034	<0.3	<0.0001	<0.0005	12.60	<0.0005	0.0033
S666123+S666125		0.049	2.61	0.0268	0.0009	0.6	3.41	0.0024	0.0009	<0.3	<0.0001	<0.0005	12.90	<0.0005	0.0036
S666131+S666132		0.052	3.42	0.0354	0.0010	0.6	3.43	0.0022	0.0010	<0.3	<0.0001	<0.0005	13.80	<0.0005	0.0044
S666144+S666146		0.014	2.65	0.0320	0.0035	0.5	2.50	0.0017	0.0016	<0.3	<0.0001	<0.0005	11.60	<0.0005	0.0023
S666147+S666148		0.011	2.22	0.0266	0.0033	0.4	2.98	0.0019	0.0009	<0.3	0.0001	<0.0005	13.00	<0.0005	0.0024
S666151+S666153		0.043	2.83	0.0285	0.0014	0.6	2.84	0.0017	0.0015	<0.3	<0.0001	<0.0005	11.50	<0.0005	0.0037
S666301+S666299		0.009	3.10	0.0499	0.0088	0.4	3.23	0.0012	0.0039	0.3	0.0001	<0.0005	12.80	<0.0005	0.0059
S666302+S666300		0.006	3.98	0.0017	0.0128	0.7	2.18	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	2.42	<0.0005	0.0032
S666909+S666954		0.026	2.47	0.0300	0.0055	0.5	3.43	0.0014	0.0013	<0.3	<0.0001	<0.0005	14.10	<0.0005	0.0034
S666939+S666964		0.034	3.53	0.0365	0.0025	0.6	4.10	0.0026	0.0023	<0.3	<0.0001	<0.0005	11.50	<0.0005	0.0056
S666947+S666948		0.025	2.21	0.0280	0.0012	0.4	3.38	0.0014	0.0013	<0.3	<0.0001	<0.0005	11.80	<0.0005	0.0031
S666974+S667165		0.112	29.70	0.1190	0.0046	<0.3	1.30	0.0015	<0.0001	<0.3	<0.0001	0.0021	6.21	<0.0005	0.0151
S667190+S667145		0.036	41.40	0.0065	0.0369	1.5	2.53	<0.0005	<0.0001	<0.3	<0.0001	0.0008	3.04	<0.0005	0.0144
S667217+S667058		0.008	9.69	0.0028	0.0258	0.9	3.90	<0.0005	<0.0001	<0.3	0.0002	0.0006	3.06	<0.0005	0.0042
S667236+S667275		0.182	35.00	0.0108	0.0336	1.4	2.03	<0.0005	<0.0001	<0.3	<0.0001	0.0017	3.72	<0.0005	0.0119
S668744+S668745		0.008	4.20	0.0224	0.0022	0.7	2.05	0.0014	0.0021	<0.3	<0.0001	<0.0005	16.70	<0.0005	0.0035
S666663+S666664		0.006	3.24	0.0115	0.0188	0.4	15.70	0.0006	0.0009	<0.3	0.0001	0.0009	5.37	<0.0005	0.0119



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CERTIFICATE OF ANALYSIS VA21044878

Sample Description	Method Analyte Units LOD	OA-SFE01	OA-SFE01	OA-SFE01	OA-SFE01	OA-SFE01	OA-SFE01	MS14L-ANPH	MS14L-ANPH	MS14L-ANPH	MS14L-ANPH	MS14L-ANPH	MS14L-ANPH	MS14L-ANPH	MS14L-ANPH
		TI	U	V	Zn	Hardness	Final pH	Br	Cl	F	NO3 (as	SO4	TDS	Conducti	Alkalini
		ppm	mg/L	mg/L	mg/L	mg/L CaCO3e	Unity	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	uS/cm	mg/L CaCO3e
		0.0001	0.00001	0.001	0.01	0.6	0.1	0.05	0.5	0.02	0.005	0.5	3	2	1
S108991+S108995		<0.0001	0.00085	0.019	0.01	19.4	8.9	<0.05	1.3	0.87	1.650	1.9	143	131	28
S666051+S666054		0.0001	0.00126	0.019	0.02	15.9	9.1	<0.05	0.9	0.90	1.420	1.6	150	142	33
S666084+S666089		<0.0001	0.00048	0.012	<0.01	15.8	8.0	<0.05	1.3	0.61	0.210	<0.5	108	98	22
S666113+S666119		<0.0001	0.00053	0.015	0.01	12.6	8.0	<0.05	1.7	0.72	1.060	2.4	107	99	20
S666123+S666125		<0.0001	0.00066	0.008	<0.01	11.3	7.7	<0.05	1.7	0.67	0.252	<0.5	96	86	17
S666131+S666132		<0.0001	0.00084	0.008	<0.01	14.8	7.8	<0.05	1.9	0.66	0.577	0.6	105	90	17
S666144+S666146		<0.0001	0.00074	0.009	<0.01	11.4	7.7	<0.05	2.3	0.63	0.654	1.1	95	90	16
S666147+S666148		<0.0001	0.00058	0.016	<0.01	9.6	8.0	<0.05	2.8	0.73	1.060	1.5	106	96	18
S666151+S666153		<0.0001	0.00113	0.006	<0.01	12.2	7.6	<0.05	1.5	0.60	0.455	<0.5	87	78	16
S666301+S666299		0.0001	0.00172	0.013	<0.01	13.3	8.0	<0.05	1.4	0.69	0.847	10.9	126	122	21
S666302+S666300		<0.0001	0.00002	<0.001	<0.01	17.3	7.1	<0.05	4.0	0.45	0.273	1.7	57	120	14
S666909+S666954		<0.0001	0.00211	0.007	<0.01	10.5	7.5	<0.05	1.5	0.64	0.384	2.1	102	95	14
S666939+S666964		<0.0001	0.00079	0.007	<0.01	15.5	7.5	<0.05	1.9	0.73	0.382	1.8	100	108	17
S666947+S666948		<0.0001	0.00098	0.008	<0.01	9.6	7.7	<0.05	1.5	0.60	0.461	<0.5	91	88	16
S666974+S667165		<0.0001	<0.00001	<0.001	<0.01	127.0	6.6	0.11	11.1	0.08	0.239	95.6	163	270	5
S667190+S667145		<0.0001	0.00001	<0.001	<0.01	173.0	6.9	<0.05	4.4	0.32	0.485	123.0	209	384	11
S667217+S667058		<0.0001	0.00003	<0.001	<0.01	41.6	7.2	<0.05	3.9	0.40	0.430	27.7	87	168	11
S667236+S667275		<0.0001	0.00002	<0.001	<0.01	148.0	7.1	0.05	8.4	0.22	0.723	114.0	193	333	11
S668744+S668745		<0.0001	0.00161	0.004	<0.01	18.7	7.4	<0.05	4.4	0.65	0.376	0.5	115	98	13
S666663+S666664		<0.0001	0.00941	0.003	<0.01	40.1	8.2	<0.05	5.7	0.54	0.512	4.5	111	183	58



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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: 25-MAR-2021
Account: BIMCIO

Project: Pulps for ABA

CERTIFICATE OF ANALYSIS VA21044878

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

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Total # Pages: 2 (A)
Plus Appendix Pages
Finalized Date: 25-APR-2021
Account: BIMCIO

CERTIFICATE VA21075715

Project: Pulps for ABA

P.O. No.: 4500073289

This report is for 37 samples of Crushed Rock submitted to our lab in Vancouver, BC, Canada on 29-MAR-2021.

The following have access to data associated with this certificate:

TREVOR BRISCO
JASON DUFF
DANIEL JANUSIAUSKAS
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PAUL BRYDEN
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HAYLEY POTHIER
WARRICK WILLIAMS

PAUL DAWE
ELEANOR GRANT
JORDON MARSH
JACOB PRINCE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
ROL-21	Manual Sheet Rolling
PUL-32p	Pulverize 400 g – 85%<75um
SPL-34Z	Pulp (Z) Split – For send out
LOG-22	Sample login – Rcd w/o BarCode
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, 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: 2 (A)
Plus Appendix Pages
Finalized Date: 25-APR-2021
Account: BIMCIO

Project: Pulps for ABA

CERTIFICATE OF ANALYSIS VA21075715

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
S660109		0.42	9.4	1	5	14	8.4	1.49	0.30	<0.01	0.04	0.30	<0.05	<0.2
S660121		0.39	0.6	1	14	15	8.4	24.00	0.02	<0.01	0.01	0.02	<0.05	<0.2
S660208		0.42	<0.3	1	14	14	8.6	89.60	<0.01	<0.01	0.01	<0.01	<0.05	<0.2
S660269		0.43	<0.3	1	10	10	9.6	64.00	<0.01	<0.01	0.01	<0.01	<0.05	<0.2
S660377		0.25	6.9	1	4	11	6.8	1.60	0.22	0.15	0.22	0.07	<0.05	<0.2
S660389		0.32	0.3	1	20	20	8.6	64.00	0.01	<0.01	0.02	0.01	<0.05	<0.2
S660390		0.38	0.6	1	12	13	8.4	20.80	0.02	<0.01	0.01	0.02	<0.05	<0.2
S660658		0.45	2.8	1	18	21	8.4	7.47	0.09	<0.01	0.05	0.09	<0.05	<0.2
S660854		0.38	<0.3	1	20	20	8.2	128.00	<0.01	<0.01	0.01	<0.01	<0.05	<0.2
S660866		0.51	<0.3	1	16	16	8.3	102.40	<0.01	0.01	0.02	<0.01	<0.05	<0.2
S670694		0.41	0.9	1	11	12	9.3	12.80	0.03	<0.01	0.04	0.03	<0.05	<0.2
S670709		0.41	1.6	1	10	12	9.1	7.68	0.05	0.01	0.05	0.04	<0.05	<0.2
S670764		0.35	0.6	1	11	12	9.4	19.20	0.02	<0.01	0.01	0.02	<0.05	<0.2
S670765		0.32	<0.3	1	14	14	9.3	89.60	<0.01	<0.01	0.02	<0.01	<0.05	<0.2
S670766		0.35	<0.3	1	11	11	9.3	70.40	<0.01	0.01	0.02	<0.01	<0.05	<0.2
S670792		0.43	0.6	1	11	12	9.6	19.20	0.02	0.01	0.02	0.01	<0.05	<0.2
S670793		0.40	0.9	1	12	13	9.0	13.87	0.03	<0.01	0.05	0.03	<0.05	<0.2
S670794		0.40	<0.3	1	15	15	9.6	96.00	<0.01	0.01	0.02	<0.01	<0.05	<0.2
S670795		0.39	0.6	1	13	14	8.4	22.40	0.02	<0.01	0.02	0.02	<0.05	<0.2
S670818		0.33	<0.3	1	9	9	7.6	57.60	<0.01	0.01	0.02	<0.01	<0.05	<0.2
S670829		0.34	0.6	1	12	13	7.5	20.80	0.02	0.01	0.04	0.01	<0.05	<0.2
S670963		0.61	<0.3	1	15	15	8.0	96.00	<0.01	0.01	0.02	<0.01	<0.05	<0.2
S670964		0.44	0.3	1	14	14	7.7	44.80	0.01	0.01	0.01	<0.01	<0.05	<0.2
S670965		0.52	<0.3	1	19	19	7.6	121.60	<0.01	0.01	0.01	<0.01	<0.05	<0.2
S670966		0.44	5.3	1	10	15	7.5	2.82	0.17	0.01	<0.01	0.16	<0.05	<0.2
S670967		0.38	0.9	1	19	20	7.4	21.33	0.03	0.01	0.03	0.02	<0.05	<0.2
S671194		0.37	<0.3	1	17	17	8.1	108.80	<0.01	0.01	0.03	<0.01	<0.05	<0.2
S671195		0.44	1.9	1	12	14	7.4	7.47	0.06	0.03	0.09	0.03	<0.05	<0.2
S671196		0.36	<0.3	1	14	14	8.1	89.60	<0.01	0.01	0.02	<0.01	<0.05	<0.2
S671197		0.42	<0.3	1	13	13	7.8	83.20	<0.01	0.01	0.02	<0.01	<0.05	<0.2
S671257		0.43	<0.3	1	10	10	7.7	64.00	<0.01	0.01	0.02	<0.01	<0.05	<0.2
S671356		0.48	0.6	1	11	12	7.5	19.20	0.02	0.01	0.04	0.01	<0.05	<0.2
S671586		0.46	<0.3	1	11	11	9.1	70.40	<0.01	0.01	0.02	<0.01	<0.05	<0.2
S671587		0.41	<0.3	1	11	11	9.4	70.40	<0.01	0.01	0.02	<0.01	<0.05	<0.2
S671588		0.47	<0.3	1	10	10	9.3	64.00	<0.01	0.01	0.02	<0.01	<0.05	<0.2
S671725		0.40	<0.3	1	11	11	8.7	70.40	<0.01	<0.01	0.02	<0.01	<0.05	<0.2
S671961		0.33	2.2	1	9	11	7.9	5.03	0.07	<0.01	0.08	0.07	<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: 25-APR-2021
Account: BIMCIO

Project: Pulps for ABA

CERTIFICATE OF ANALYSIS VA21075715

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

C-GAS05

LOG-22

OA-ELE07

OA-VOL08

PUL-32p

PUL-QC

ROL-21

S-CAL06

S-GRA06

S-GRA06a

S-IR08

SPL-34Z

WEI-21



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Page: 1
Total # Pages: 2 (A - C)
Plus Appendix Pages
Finalized Date: 13-APR-2021
Account: BIMCIO

CERTIFICATE VA21076769

Project: Pulps for ABA

P.O. No.: 4500073289

This report is for 37 samples of Crushed Rock submitted to our lab in Vancouver, BC, Canada on 29-MAR-2021.

The following have access to data associated with this certificate:

TREVOR BRISCO
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HAYLEY POTHIER
WARRICK WILLIAMS

PAUL DAWE
ELEANOR GRANT
JORDON MARSH
JACOB PRINCE

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	
MS14L-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
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Page: 2 - A
 Total # Pages: 2 (A - C)
 Plus Appendix Pages
 Finalized Date: 13-APR-2021
 Account: BIMCIO

Project: Pulps for ABA

CERTIFICATE OF ANALYSIS VA21076769

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
S660109		<0.00005	0.137	<0.001	0.03	<0.001	<0.0005	<0.0005	1.4	<0.00005	<0.0001	0.0065	<0.001	<0.03	<0.00005	0.64
S660121		<0.00005	0.207	<0.001	0.03	<0.001	<0.0005	<0.0005	0.7	<0.00005	<0.0001	0.0062	<0.001	<0.03	<0.00005	7.04
S660208		<0.00005	5.680	<0.001	0.37	0.037	<0.0005	<0.0005	0.5	<0.00005	0.0007	<0.0005	0.002	4.72	<0.00005	28.20
S660269		<0.0001	20.200	<0.002	0.17	0.257	<0.001	<0.001	0.2	<0.0001	0.0034	0.0038	0.003	15.30	<0.00005	55.20
S660377		<0.00005	0.006	<0.001	0.20	0.003	<0.0005	<0.0005	7.1	<0.00005	0.0006	<0.0005	<0.001	<0.03	<0.0005	9.81
S660389		<0.00005	0.164	<0.001	0.06	<0.001	<0.0005	<0.0005	0.4	<0.00005	<0.0001	0.0134	<0.001	<0.03	<0.00005	1.34
S660390		<0.00005	0.130	<0.001	0.12	<0.001	<0.0005	<0.0005	0.7	<0.00005	<0.0001	0.0031	<0.001	0.04	<0.00005	0.86
S660658		<0.00005	0.083	<0.001	0.03	0.002	<0.0005	<0.0005	1.5	<0.00005	<0.0001	0.0148	<0.001	0.03	<0.00005	10.10
S660854		<0.00005	0.059	<0.001	0.01	<0.001	<0.0005	<0.0005	1.9	<0.00005	<0.0001	0.0106	<0.001	0.10	<0.00005	2.04
S660866		<0.00005	0.118	<0.001	0.15	<0.001	<0.0005	<0.0005	2.6	<0.00005	<0.0001	0.0104	<0.001	0.12	<0.00005	3.53
S670694		0.00011	16.600	<0.002	0.11	0.156	<0.001	<0.001	0.3	<0.0001	0.0030	0.0018	0.058	12.80	<0.00005	43.70
S670709		0.00015	15.600	<0.002	0.27	0.128	0.0030	0.0027	0.5	<0.0001	0.0048	0.0075	0.185	11.30	<0.0005	34.30
S670764		<0.0001	21.600	<0.002	0.25	0.309	<0.001	<0.001	0.9	<0.0001	0.0045	0.0040	0.007	16.30	<0.0005	46.40
S670765		<0.0001	24.600	<0.002	0.33	0.456	0.0019	<0.001	1.1	<0.0001	0.0039	0.0015	0.059	16.00	<0.0005	54.90
S670766		<0.0001	15.200	<0.002	0.15	0.146	0.0011	<0.001	0.5	<0.0001	0.0028	0.0034	0.007	9.09	<0.0005	38.80
S670792		<0.0001	15.900	<0.002	0.24	0.194	<0.001	<0.001	0.5	0.00075	0.0031	0.0017	0.011	11.40	<0.0005	51.70
S670793		<0.0001	15.300	<0.002	0.34	0.116	0.0017	<0.001	0.6	<0.0001	0.0035	0.0061	0.006	12.10	<0.0005	35.00
S670794		0.00011	22.500	<0.002	0.23	0.468	<0.001	<0.001	0.9	<0.0001	0.0052	0.0034	0.067	21.60	<0.0005	64.90
S670795		<0.00005	35.400	<0.001	0.36	0.178	0.0021	<0.0005	0.5	<0.00005	0.0059	0.0110	0.008	20.40	<0.0005	37.50
S670818		<0.00005	5.160	0.002	0.93	0.009	<0.0005	<0.0005	0.3	<0.00005	0.0018	0.0085	0.002	2.58	<0.0005	26.70
S670829		<0.00005	3.120	<0.001	0.95	0.005	<0.0005	<0.0005	0.6	<0.00005	0.0008	0.0060	<0.001	2.19	<0.00005	18.70
S670963		<0.00005	2.230	<0.001	0.07	0.007	<0.0005	<0.0005	0.2	<0.0003	0.0011	0.0160	0.003	3.58	<0.00005	22.60
S670964		<0.00005	0.145	<0.001	0.03	<0.001	<0.0005	<0.0005	0.3	<0.001	<0.0001	0.0011	<0.001	0.07	<0.00005	5.92
S670965		<0.00005	0.119	<0.001	0.04	<0.001	<0.0005	<0.0005	0.2	<0.00005	<0.0001	0.0023	<0.001	0.23	<0.00005	0.59
S670966		<0.00005	0.074	<0.001	0.07	<0.001	<0.0005	<0.0005	0.3	<0.00005	<0.0001	<0.0005	<0.001	0.16	<0.0005	0.69
S670967		<0.00005	0.059	<0.001	0.16	0.003	<0.0005	<0.0005	1.2	<0.00005	<0.0001	0.0012	<0.001	<0.03	<0.00005	13.60
S671194		<0.00005	0.217	<0.001	0.03	<0.001	<0.0005	<0.0005	0.8	<0.00005	<0.0001	0.0028	<0.001	<0.03	<0.00005	2.94
S671195		<0.00005	0.085	<0.001	0.12	0.002	<0.0005	<0.0005	0.4	<0.00005	<0.0001	0.0009	<0.001	<0.03	<0.00005	0.60
S671196		<0.00005	0.173	<0.001	0.02	<0.001	<0.0005	<0.0005	0.1	<0.00005	<0.0001	0.0067	<0.001	<0.03	<0.00005	0.37
S671197		<0.00005	0.213	<0.001	0.20	<0.001	<0.0005	<0.0005	0.7	<0.00005	<0.0001	0.0065	<0.001	<0.03	<0.00005	9.50
S671257		<0.00005	0.225	<0.001	0.41	<0.001	<0.0005	<0.0005	0.4	<0.00005	<0.0001	0.0012	<0.001	<0.03	<0.00005	12.80
S671356		<0.00005	0.124	<0.001	0.19	0.002	<0.0005	<0.0005	0.2	<0.00005	<0.0001	0.0025	<0.001	<0.03	<0.00005	3.54
S671586		<0.0001	16.100	<0.002	0.26	0.209	<0.001	<0.001	0.6	<0.0001	0.0029	0.0016	<0.002	10.90	<0.0005	42.50
S671587		<0.0001	21.900	<0.002	0.12	0.386	0.0014	<0.001	0.6	<0.0001	0.0042	0.0015	0.006	17.80	<0.0005	64.30
S671588		<0.0001	18.300	<0.002	0.15	0.268	0.0013	<0.001	0.3	<0.0001	0.0036	<0.001	0.007	13.80	<0.0005	44.70
S671725		0.00010	54.300	0.001	0.21	0.265	0.0033	0.0008	0.4	<0.00005	0.0098	0.0075	0.037	37.00	<0.0005	54.30
S671961		<0.00005	0.192	<0.001	0.02	<0.001	<0.0005	<0.0005	0.3	<0.00005	<0.0001	0.0016	<0.001	<0.03	<0.00005	2.50



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

Page: 2 - B
Total # Pages: 2 (A - C)
Plus Appendix Pages
Finalized Date: 13-APR-2021
Account: BIMCIO

Project: Pulps for ABA

CERTIFICATE OF ANALYSIS VA21076769

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
		Li	Mg	Mn	Mo	Moisture	Na	Ni	Pb	P	Sb	Se	Si	Sn	Sr
		mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		0.005	0.05	0.0005	0.0001	0.3	0.05	0.0005	0.0001	0.3	0.0001	0.0005	0.05	0.0005	0.0005
S660109		<0.005	13.40	0.0022	0.0173	0.8	0.25	<0.0005	<0.0001	<0.3	<0.0001	0.0015	2.09	<0.0005	0.0013
S660121		<0.005	11.10	0.0016	0.0067	0.7	0.61	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	1.58	<0.0005	0.0017
S660208		0.039	4.26	0.0289	0.0402	0.5	2.99	0.0011	0.0007	<0.3	0.0001	<0.0005	9.44	<0.0005	0.0086
S660269		0.014	5.44	0.0645	0.0111	<0.3	3.20	0.0037	0.0043	<0.6	<0.0002	<0.001	21.80	<0.001	0.0036
S660377		0.016	161.00	0.2990	0.0003	1.8	1.33	0.0020	<0.0001	<0.3	<0.0001	0.0039	6.98	<0.0005	0.0030
S660389		<0.005	15.80	<0.0005	0.0083	0.9	0.30	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	1.78	<0.0005	0.0006
S660390		<0.005	11.60	0.0017	0.0408	0.9	0.90	<0.0005	<0.0001	<0.3	0.0003	0.0018	1.99	<0.0005	0.0015
S660658		<0.005	11.40	0.0026	0.0090	0.9	2.34	<0.0005	<0.0001	<0.3	<0.0001	0.0014	2.89	<0.0005	0.0040
S660854		<0.005	13.10	0.0032	0.0024	1.6	0.49	<0.0005	<0.0001	<0.3	<0.0001	0.0006	4.54	<0.0005	0.0055
S660866		<0.005	11.20	0.0014	0.0021	0.8	0.70	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	3.74	<0.0005	0.0047
S670694		0.018	7.89	0.1160	0.0063	<0.3	2.32	0.0028	0.0042	<0.6	0.0003	<0.001	22.90	0.0020	0.0064
S670709		0.033	7.39	0.1020	0.0138	0.3	4.40	0.0049	0.0034	<0.6	<0.0002	<0.001	16.00	<0.001	0.0061
S670764		0.056	10.70	0.1400	0.0034	<0.3	3.59	0.0061	0.0067	<0.6	<0.0002	<0.001	21.10	<0.001	0.0210
S670765		0.076	12.30	0.1740	0.0044	0.4	3.56	0.0032	0.0078	<0.6	<0.0002	<0.001	25.50	<0.001	0.0289
S670766		0.016	6.08	0.0920	0.0025	0.3	2.14	0.0049	0.0026	<0.6	0.0002	<0.001	17.80	<0.001	0.0067
S670792		0.030	7.09	0.0985	0.0036	0.3	3.19	0.0026	0.0054	<0.6	<0.0002	<0.001	15.50	<0.001	0.0104
S670793		0.072	8.45	0.0963	0.0126	0.4	2.39	0.0069	0.0030	<0.6	<0.0002	<0.001	18.90	<0.001	0.0177
S670794		0.027	13.20	0.1840	0.0118	0.3	4.04	0.0048	0.0304	<0.6	<0.0002	<0.001	26.50	0.0016	0.0134
S670795		0.129	15.10	0.1590	0.0176	0.4	2.58	0.0126	0.0032	<0.3	0.0001	<0.0005	45.80	0.0009	0.0178
S670818		0.037	5.57	0.0309	0.0024	0.8	4.23	0.0047	<0.0001	<0.3	0.0001	<0.0005	9.53	<0.0005	0.0021
S670829		0.060	8.17	0.0080	0.0083	0.8	1.92	0.0042	0.0002	<0.3	<0.0001	0.0011	7.05	<0.0005	0.0047
S670963		<0.005	8.33	0.0387	0.4950	0.4	3.83	0.0051	0.0002	<0.3	<0.0001	<0.0005	4.95	<0.0005	0.0020
S670964		<0.005	10.10	0.0029	2.0800	0.7	1.53	<0.0005	<0.0001	<0.3	<0.0001	0.0011	1.71	<0.0005	0.0015
S670965		<0.005	15.40	0.0074	0.0429	1.2	0.29	<0.0005	<0.0001	<0.3	<0.0001	0.0009	3.36	<0.0005	<0.0005
S670966		0.006	18.80	0.0052	0.0138	1.1	0.21	<0.0005	<0.0001	<0.3	<0.0001	0.0011	5.26	<0.0005	0.0011
S670967		<0.005	29.40	0.0068	0.0743	1.0	4.05	<0.0005	<0.0001	<0.3	<0.0001	0.0012	2.98	<0.0005	0.0066
S671194		<0.005	12.50	0.0011	0.0007	0.3	2.24	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	1.36	<0.0005	0.0045
S671195		<0.005	92.70	0.0070	0.0009	0.5	0.21	<0.0005	<0.0001	<0.3	<0.0001	0.0007	2.08	<0.0005	0.0057
S671196		<0.005	13.20	0.0007	0.0005	0.3	0.15	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	1.86	<0.0005	0.0012
S671197		<0.005	10.60	0.0015	0.0014	0.6	2.92	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	1.66	<0.0005	0.0046
S671257		0.027	8.68	0.0012	0.0063	0.4	1.87	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	1.62	<0.0005	0.0041
S671356		0.013	26.70	0.0022	0.0003	0.5	0.78	<0.0005	0.0002	<0.3	<0.0001	<0.0005	1.85	<0.0005	0.0028
S671586		0.031	6.07	0.0992	0.0041	<0.3	3.71	0.0034	0.0025	<0.6	<0.0002	<0.001	16.70	<0.001	0.0146
S671587		0.014	8.10	0.1040	0.0030	<0.3	4.48	0.0029	0.0026	0.7	<0.0002	<0.001	21.20	<0.001	0.0077
S671588		0.019	7.40	0.0905	0.0018	<0.3	3.39	0.0034	0.0017	<0.6	<0.0002	<0.001	19.10	<0.001	0.0080
S671725		0.078	22.20	0.1900	0.0521	0.3	3.64	0.0151	0.0046	<0.3	0.0003	0.0005	84.80	0.0016	0.0190
S671961		<0.005	9.95	0.0013	0.0079	0.5	0.37	<0.0005	<0.0001	<0.3	<0.0001	<0.0005	1.42	<0.0005	0.0014



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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: 2 (A - C)
Plus Appendix Pages
Finalized Date: 13-APR-2021
Account: BIMCIO

Project: Pulps for ABA

CERTIFICATE OF ANALYSIS VA21076769

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	MS14L-ANPH F mg/L 0.02	MS14L-ANPH NO3 (as) mg/L 0.005	MS14L-ANPH SO4 mg/L 0.5	MS14L-ANPH TDS mg/L 3	MS14L-ANPH Conducti uS/cm 2	MS14L-ANPH Alkalini mg/L CaCO3e 1
S660109		<0.0001	<0.00001	<0.001	<0.01	58.6	7.8	<0.05	2.2	0.78	0.024	9.9	58	116	39
S660121		<0.0001	<0.00001	<0.001	<0.01	47.6	8.0	<0.05	1.7	0.42	0.016	<0.5	53	110	44
S660208		<0.0001	0.00008	0.004	<0.01	18.7	7.9	<0.05	2.3	0.74	0.025	4.3	99	113	33
S660269		0.0002	0.00163	0.046	<0.02	23.0	9.2	<0.05	1.9	1.34	0.085	0.6	204	157	68
S660377		<0.0001	<0.00001	<0.001	<0.01	681	6.1	<0.3	2.8	<0.1	0.093	705	908	1210	3
S660389		<0.0001	<0.00001	<0.001	<0.01	66.1	7.9	<0.05	2.0	0.66	0.051	1.3	58	130	52
S660390		<0.0001	<0.00001	<0.001	<0.01	49.4	7.8	<0.05	2.7	0.45	0.029	1.0	48	100	40
S660658		<0.0001	<0.00001	<0.001	<0.01	50.8	7.9	<0.05	3.2	0.61	0.198	3.6	70	134	47
S660854		<0.0001	<0.00001	<0.001	<0.01	58.8	7.8	<0.05	1.6	0.47	0.026	3.7	65	120	48
S660866		<0.0001	<0.00001	<0.001	<0.01	52.7	7.8	<0.05	3.6	1.20	0.082	1.0	59	115	41
S670694		<0.0002	0.00073	0.021	0.02	33.3	8.5	<0.05	1.5	0.99	0.030	1.6	178	122	46
S670709		<0.0002	0.00207	0.037	0.03	31.7	8.3	<0.05	1.6	2.73	0.123	2.2	149	104	41
S670764		0.0002	0.00118	0.033	0.04	46.3	8.8	<0.05	1.0	1.18	0.061	1.2	193	123	53
S670765		0.0003	0.00203	0.025	0.03	53.4	8.9	<0.05	1.4	1.30	0.031	0.7	226	144	68
S670766		<0.0002	0.00090	0.024	<0.02	26.2	8.5	<0.05	1.6	1.06	0.027	<0.5	149	106	44
S670792		<0.0002	0.00087	0.038	0.05	30.5	9.1	<0.05	1.1	1.42	0.066	1.3	174	148	63
S670793		<0.0002	0.00072	0.017	0.05	36.4	8.3	<0.05	1.2	0.93	0.032	0.9	156	108	46
S670794		0.0003	0.00147	0.036	0.05	56.6	9.0	<0.05	1.5	1.49	0.143	1.1	249	177	74
S670795		0.0002	0.00088	0.028	0.08	63.5	8.3	<0.05	1.2	0.92	0.030	0.9	265	106	43
S670818		<0.0001	0.00028	0.005	<0.01	23.6	7.7	0.11	9.3	1.41	0.060	3.6	103	122	31
S670829		<0.0001	0.00013	0.002	<0.01	35.0	7.6	0.07	6.8	0.66	0.035	4.5	82	121	27
S670963		<0.0001	0.00016	0.004	<0.01	34.8	7.8	<0.05	2.9	1.05	0.038	6.2	86	127	36
S670964		<0.0001	<0.00001	<0.001	<0.01	42.2	7.8	<0.05	2.1	0.45	0.055	2.6	49	103	34
S670965		<0.0001	<0.00001	<0.001	<0.01	64.0	7.8	<0.05	1.6	0.26	0.123	3.7	58	122	44
S670966		<0.0001	<0.00001	<0.001	<0.01	78.1	7.7	<0.05	2.4	0.28	0.058	18.8	77	152	34
S670967		<0.0001	<0.00001	<0.001	<0.01	124.0	7.6	0.05	5.7	0.53	0.048	90.1	171	304	30
S671194		<0.0001	<0.00001	<0.001	<0.01	53.5	7.8	0.07	5.5	0.60	0.222	<0.5	52	116	37
S671195		<0.0001	0.00002	<0.001	<0.01	383	7.3	<0.05	2.7	0.33	0.051	356	468	720	15
S671196		<0.0001	<0.00001	<0.001	<0.01	54.6	7.8	<0.05	1.3	0.54	0.030	3.4	49	107	41
S671197		<0.0001	<0.00001	<0.001	<0.01	45.3	7.8	0.12	8.2	0.45	0.047	0.8	59	127	36
S671257		<0.0001	<0.00001	<0.001	<0.01	36.8	7.7	0.16	8.4	0.31	0.025	5.6	59	120	27
S671356		<0.0001	<0.00001	<0.001	<0.01	110.0	7.4	0.07	4.4	0.32	0.021	79.6	134	252	22
S671586		<0.0002	0.00090	0.031	<0.02	26.5	8.7	<0.05	1.4	0.95	0.628	0.6	159	114	46
S671587		0.0002	0.00416	0.049	<0.02	34.8	9.2	<0.05	1.9	1.33	0.044	0.8	224	175	75
S671588		0.0002	0.00149	0.035	<0.02	31.3	8.9	<0.05	1.5	0.84	0.075	0.6	173	114	49
S671725		0.0004	0.00222	0.037	0.03	92.3	8.3	<0.05	2.1	1.47	0.029	4.5	437	137	46
S671961		<0.0001	<0.00001	<0.001	<0.01	41.8	7.6	<0.05	1.4	0.32	0.023	1.1	40	92	33



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

Page: Appendix 1
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Finalized Date: 13-APR-2021
Account: BIMCIO

Project: Pulps for ABA

CERTIFICATE OF ANALYSIS VA21076769

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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2275 UPPER MIDDLE ROAD EAST
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Plus Appendix Pages
Finalized Date: 18-JAN-2022
Account: BIMCIO

CERTIFICATE VA21319699

Project: Pulps 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
WEI-21	Received Sample Weight
PUL-32p	Pulverize 400 g - 85%<75um
SPL-34	Pulp Splitting Charge
BAG-01	Bulk Master for Storage
PUL-QC	Pulverizing QC Test
LOG-23	Pulp Login - Rcvd with Barcode

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, General Manager, North Vancouver



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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 VA21319699

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 FIZZ RAT Unity 1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 NP tCaCO3/1Kt 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 CO2 % 0.2
B625001		0.30	0.9	2	70	71	8.3	75.73	0.03	<0.01	0.03	0.03	<0.05	<0.2
B625002		0.38	0.9	1	29	30	9.1	32.00	0.03	<0.01	0.03	0.03	<0.05	<0.2
B625003		0.48	3.1	1	24	27	8.2	8.64	0.10	<0.01	0.04	0.10	<0.05	<0.2
B625004		0.42	<0.3	1	36	36	8.2	230.4	<0.01	<0.01	0.02	<0.01	<0.05	<0.2
B625005		0.32	0.6	1	21	22	9.4	35.20	0.02	<0.01	0.02	0.02	<0.05	<0.2
B625006		0.38	3.8	1	13	17	8.2	4.53	0.12	<0.01	0.02	0.12	<0.05	<0.2
B625007		0.40	0.6	1	18	19	9.1	30.40	0.02	<0.01	0.03	0.02	<0.05	<0.2
B625008		0.36	0.3	1	14	14	9.0	44.80	0.01	<0.01	0.01	0.01	<0.05	<0.2
B625009		0.54	0.6	1	15	16	9.0	25.60	0.02	<0.01	0.01	0.02	<0.05	<0.2
B625010		0.64	0.6	1	14	15	9.2	24.00	0.02	<0.01	0.01	0.02	<0.05	<0.2
B625011		0.36	2.5	1	33	35	7.8	14.00	0.08	0.01	0.08	0.07	<0.05	<0.2
B625012		0.36	2.2	2	51	53	8.1	24.23	0.07	0.01	0.07	0.06	<0.05	<0.2
B625013		0.36	1.3	1	14	15	8.2	12.00	0.04	<0.01	0.04	0.04	<0.05	<0.2
B625014		0.38	2.2	1	15	17	7.4	7.77	0.07	0.01	0.06	0.06	<0.05	<0.2
B625015		0.36	0.6	1	19	20	8.6	32.00	0.02	<0.01	0.03	0.02	<0.05	<0.2
B625016		0.36	0.9	1	16	17	7.9	18.13	0.03	<0.01	0.04	0.03	<0.05	<0.2
B625017		0.36	1.3	1	22	23	8.0	18.40	0.04	<0.01	0.05	0.04	<0.05	<0.2
B625018		0.62	2.2	1	13	15	7.3	6.86	0.07	0.01	0.05	0.06	0.09	0.3
B625019		0.38	4.4	1	11	15	8.5	3.43	0.14	<0.01	0.02	0.14	<0.05	<0.2
B625020		0.36	<0.3	1	13	13	8.4	83.20	<0.01	<0.01	0.02	<0.01	<0.05	<0.2
B625021		0.42	50.6	1	-23	28	8.2	0.55	1.62	0.02	0.09	1.60	<0.05	<0.2
B625022		0.44	1.6	1	19	21	7.5	13.44	0.05	<0.01	0.04	0.05	<0.05	<0.2
B625023		0.42	0.9	1	31	32	8.2	34.13	0.03	<0.01	0.03	0.03	<0.05	<0.2
B625024		0.46	0.3	1	28	28	7.9	89.60	0.01	<0.01	0.03	0.01	<0.05	<0.2
B625025		0.32	0.6	1	19	20	7.8	32.00	0.02	<0.01	0.03	0.02	<0.05	<0.2
B625026		0.42	0.3	1	27	27	8.3	86.40	0.01	<0.01	0.01	0.01	<0.05	<0.2
B625027		0.36	6.9	1	12	19	9.3	2.76	0.22	<0.01	<0.01	0.22	<0.05	<0.2
B625028		0.46	0.6	1	15	16	8.8	25.60	0.02	<0.01	<0.01	0.02	<0.05	<0.2
B625029		0.36	0.6	1	17	18	8.8	28.80	0.02	<0.01	<0.01	0.02	<0.05	<0.2
B625039		0.44	0.3	1	18	18	8.5	57.60	0.01	<0.01	<0.01	0.01	<0.05	<0.2
B625040		0.44	0.3	1	17	17	8.8	54.40	0.01	<0.01	<0.01	0.01	<0.05	<0.2
B625041		0.38	0.3	1	16	16	9.1	51.20	0.01	<0.01	<0.01	0.01	<0.05	<0.2
B625042		0.30	3.1	2	60	63	8.4	20.16	0.10	<0.01	0.01	0.10	<0.05	<0.2
B625043		0.42	0.9	1	29	30	8.1	32.00	0.03	<0.01	0.01	0.03	<0.05	<0.2
B625044		0.34	3.1	1	23	26	7.5	8.32	0.10	0.02	0.01	0.08	<0.05	<0.2
B625045		0.38	1.3	1	24	25	7.9	20.00	0.04	<0.01	0.01	0.04	<0.05	<0.2
B625046		0.32	1.6	1	16	18	8.3	11.52	0.05	<0.01	0.01	0.05	<0.05	<0.2
B625047		0.28	0.3	1	17	17	8.4	54.40	0.01	<0.01	0.01	0.01	<0.05	<0.2
B625048		0.40	<0.3	1	23	23	8.0	147.20	<0.01	<0.01	<0.01	<0.01	<0.05	<0.2
B625049		0.40	0.6	1	17	18	8.8	28.80	0.02	<0.01	0.01	0.02	<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: 18-JAN-2022
Account: BIMCIO

Project: Pulps for ABA

CERTIFICATE OF ANALYSIS VA21319699

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	OA-VOL08 MPA tCaCO3/1Kt 0.3	OA-VOL08 FIZZ RAT Unity 1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 NP tCaCO3/1Kt 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 CO2 % 0.2
B625050		0.46	1.6	1	18	20	9.1	12.80	0.05	<0.01	0.01	0.05	<0.05	<0.2
B625051		0.42	0.3	1	10	10	8.2	32.00	0.01	<0.01	<0.01	0.01	<0.05	<0.2
B625052		0.34	1.9	1	21	23	7.9	12.27	0.06	<0.01	0.01	0.06	<0.05	<0.2
B625053		0.42	22.2	1	10	32	7.9	1.44	0.71	0.02	<0.01	0.69	<0.05	<0.2
B625054		0.36	24.7	1	0	25	7.8	1.01	0.79	0.02	0.02	0.77	<0.05	<0.2
B625055		0.36	0.6	1	16	17	9.3	27.20	0.02	<0.01	0.01	0.02	<0.05	<0.2
B625056		0.36	0.6	1	18	19	8.7	30.40	0.02	0.01	0.01	0.01	<0.05	<0.2
B625057		0.36	0.3	1	21	21	8.7	67.20	0.01	<0.01	0.01	0.01	<0.05	<0.2
B625058		0.40	10.3	1	24	34	7.5	3.30	0.33	0.20	0.30	0.13	<0.05	<0.2
B625059		0.40	0.6	1	29	30	8.3	48.00	0.02	<0.01	0.01	0.02	<0.05	<0.2
B625060		0.42	0.6	1	19	20	9.0	32.00	0.02	<0.01	<0.01	0.02	<0.05	<0.2
B625061		0.38	0.9	1	18	19	9.5	20.27	0.03	<0.01	0.01	0.03	<0.05	<0.2
B625062		0.38	1.3	1	16	17	9.2	13.60	0.04	<0.01	<0.01	0.04	<0.05	<0.2
B625063		0.40	0.6	1	15	16	9.3	25.60	0.02	<0.01	0.01	0.02	<0.05	<0.2
B625064		0.36	0.6	1	16	17	9.2	27.20	0.02	<0.01	<0.01	0.02	<0.05	<0.2
B625065		0.36	1.3	1	19	20	8.9	16.00	0.04	<0.01	<0.01	0.04	<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
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Finalized Date: 18-JAN-2022
Account: BIMCIO

Project: Pulps for ABA

CERTIFICATE OF ANALYSIS VA21319699

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

BAG-01

C-GAS05

LOG-23

OA-ELE07

OA-VOL08

PUL-32p

PUL-QC

S-CAL06

S-GRA06

S-GRA06a

S-IR08

SPL-34

WEI-21



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2275 UPPER MIDDLE ROAD EAST
SUITE 300
OAKVILLE ON L6H 0C3

Page: 1
Total # Pages: 3 (A)
Plus Appendix Pages
Finalized Date: 12-JAN-2022
Account: BIMCIO

CERTIFICATE VA21319700

Project: Pulps for ABA

P.O. No.: 4500092191

This report is for 46 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
WEI-21	Received Sample Weight
PUL-32p	Pulverize 400 g - 85%<75um
SPL-34	Pulp Splitting Charge
BAG-01	Bulk Master for Storage
PUL-QC	Pulverizing QC Test
LOG-23	Pulp Login - Rcvd with Barcode

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, General Manager, North Vancouver



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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)
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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 tCaCO3/1Kt 0.3	OA-VOL08 FIZZ RAT Unity 1	OA-VOL08 NNP tCaCO3/1Kt 1	OA-VOL08 NP tCaCO3/1Kt 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 CO2 % 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	17	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	17	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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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: 12-JAN-2022
Account: BIMCIO

Project: Pulps for ABA

CERTIFICATE OF ANALYSIS VA21319700

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.	MPA	FIZZ RAT	NNP	NP	pH	Ratio (N	S	S	S	S	C	CO2
		kg	tCaCO3/1Kt	Unity	tCaCO3/1Kt	tCaCO3/1Kt	Unity	Unity	%	%	%	%	%	%
		0.02	0.3	1	1	1	0.1	0.01	0.01	0.01	0.01	0.01	0.05	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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SUITE 300
OAKVILLE ON L6H 0C3

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 12-JAN-2022
Account: BIMCIO

Project: Pulps for ABA

CERTIFICATE OF ANALYSIS VA21319700

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

BAG-01

C-GAS05

LOG-23

OA-ELE07

OA-VOL08

PUL-32p

PUL-QC

S-CAL06

S-GRA06

S-GRA06a

S-IR08

SPL-34

WEI-21



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

Page: 1
Total # Pages: 3 (A – C)
Plus Appendix Pages
Finalized Date: 11-FEB-2022
Account: BIMCIO

CERTIFICATE VA21326970

Project: Pulps 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
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FRED LAWRENCE
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JUSTIN TUPPER

PAUL BRYDEN
JASON DUFF
JORDON MARSH
JACOB PRINCE
WARRICK WILLIAMS

JASON CHIASSE
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	
MS14L-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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2275 UPPER MIDDLE ROAD EAST
SUITE 300
OAKVILLE ON L6H 0C3

Page: 2 - A
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 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	0.0016	<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	0.0015	<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	<0.0005	0.0086	0.0136	<0.01	29.10	<0.00005	99.90
B625039		<0.0003	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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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	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
		Li	Mg	Mn	Mo	Moisture	Na	Ni	Pb	P	Sb	Se	Si	Sn	Sr
		mg/L	mg/L	mg/L	mg/L	%	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		0.005	0.05	0.0005	0.0001	0.3	0.05	0.0005	0.0001	0.3	0.0001	0.0005	0.05	0.0005	0.0005
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
B625047		0.020	11.00	0.1200	0.0462	<0.3	5.51	0.0039	0.0012	<0.6	<0.0002	<0.001	30.80	<0.001	0.0105
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
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



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

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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	MS14L-ANPH F mg/L 0.02	MS14L-ANPH NO3 (as) mg/L 0.005	MS14L-ANPH SO4 mg/L 0.5	MS14L-ANPH TDS mg/L 3	MS14L-ANPH Conducti uS/cm 2	MS14L-ANPH 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		<0.001	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