



REPORT OF ANALYSIS

Principal: **La Crete Sawmills,**
 HWY 697 South, Box 1090
 La Crete, AB T0H 2H0

Issued: January 24, 2012

SAMPLE I.D. : Sample 1
 SAMPLE DESCRIPTION : Wood Pellets
 DATE RECEIVED : January 19, 2012

Report No.: 203-14687-001

The sample(s) to which the findings recorded here (the "Findings") relate were drawn and/or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representation of any goods and strictly relate to the sample(s) are said to be extracted. The Company accepts no liability with regard to the origin or source from which the sample(s) are said to be extracted. THIS IS TO REPORT that in accordance with instructions received from our Principal, La Crete Sawmills, to perform analysis of the above mentioned sample, we hereby report the following:

<u>ANALYSIS</u>	<u>ANALYSIS METHODS</u>	<u>AS RECEIVED BASIS</u>	<u>DRY BASIS</u>
% Total Moisture	EN 14774-2	6.99	----
% Ash	EN 14775	0.40	0.43
% Volatile	DD CENT/TS 15148	78.54	84.44
<u>Calorific Values</u> (Gross)			
Btu/Lb	EN 14918	8184	8799
Kcal/Kg	EN 14918	4547	4888

<u>PARAMETER</u>	<u>ANALYSIS METHODS</u>	<u>MEASURE</u>	<u>VALUE</u>
Hydrogen, (dry basis)	EN 15104	% of weight	6.12
Nitrogen, (dry basis)	EN 15104	% of weight	0.07
Oxygen, (dry basis)	(CALC)	% of weight	42.93
Carbon (dry basis)	EN 15104	% of weight	50.43
Sulphur (dry basis)	EN 15289	% of weight	0.02

<u>CALORIFIC VALUE</u> Analysis Method EN 14918	<u>MJ/kg</u>	<u>Kcal/kg</u>	<u>MWh/tonne</u>	<u>BTU/lb</u>
Net Calorific Value at Constant Pressure, including moisture (as received basis)	17.63	4210	4.90	7577
Net Calorific Value at Constant Volume, including moisture(as received basis)	17.70	4228	4.92	7611
Net Calorific Value at Constant Pressure (dry basis)	19.13	4570	5.31	8226
Net Calorific Value at Constant Volume (dry basis)	19.21	4587	5.34	8257

<u>SCREEN (Fines)</u>	<u>% WEIGHT</u>
3 mm X 0	0.3

V. Sharma, Laboratory Supervisor

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REPORT OF ANALYSIS

Principal: **La Crete Sawmills**,
 HWY 697 South, Box 1090
 La Crete, AB T0H 2H0

Issued: January 24, 2012

SAMPLE I.D.	:	Sample 2
SAMPLE DESCRIPTION	:	Wood Pellets
DATE RECEIVED	:	January 19, 2012

Report No.: 203-14687-002

The sample(s) to which the findings recorded here (the "Findings") relate were drawn and/or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representation of any goods and strictly relate to the sample(s) are said to be extracted. The Company accepts no liability with regard to the origin or source from which the sample(s) are said to be extracted. THIS IS TO REPORT that in accordance with instructions received from our Principal, La Crete Sawmills, to perform analysis of the above mentioned sample, we hereby report the following:

<u>ANALYSIS</u>	<u>ANALYSIS METHODS</u>	<u>AS RECEIVED BASIS</u>	<u>DRY BASIS</u>
% Total Moisture	EN 14774-2	5.70	----
% Ash	EN 14775	0.41	0.43
% Volatile	DD CENT/TS 15148	79.70	84.52
<u>Calorific Values</u> (Gross)			
Btu/Lb	EN 14918	8316	8819
Kcal/Kg	EN 14918	4620	4899

<u>PARAMETER</u>	<u>ANALYSIS METHODS</u>	<u>MEASURE</u>	<u>VALUE</u>
Hydrogen, (dry basis)	EN 15104	% of weight	6.10
Nitrogen, (dry basis)	EN 15104	% of weight	0.06
Oxygen, (dry basis)	(CALC)	% of weight	43.35
Carbon (dry basis)	EN 15104	% of weight	50.04
Sulphur (dry basis)	EN 15289	% of weight	0.02

<u>CALORIFIC VALUE</u> Analysis Method EN 14918	<u>MJ/kg</u>	<u>Kcal/kg</u>	<u>MWh/tonne</u>	<u>BTU/lb</u>
Net Calorific Value at Constant Pressure, including moisture (as received basis)	17.95	4288	4.99	7718
Net Calorific Value at Constant Volume, including moisture(as received basis)	18.03	4306	5.01	7750
Net Calorific Value at Constant Pressure (dry basis)	19.18	4582	5.33	8248
Net Calorific Value at Constant Volume (dry basis)	19.26	4599	5.35	8279

<u>SCREEN (Fines)</u>	<u>% WEIGHT</u>
3 mm X 0	0.3

V. Sharma, Laboratory Supervisor

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