



May 12, 2014

LA CRETE SAWMILLS LTD

HWY 697 South
Box 1090
La Crete
Alberta T0H 2H0
Canada

REPORT OF ANALYSIS

Sample ID: Sample# 1
Sample Type: Wood Pellets
Sample Wt.: 18 kg
Date Received: May 5, 2014
Contact: Barney Wiebe

SGS Minerals Sample ID: 203-1400436.001

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 samples are said to be extracted.

THIS IS TO REPORT that in accordance with instructions received from our Principal to perform analysis of the above mentioned sample(s), we hereby report the following:

PROXIMATE ANALYSIS

	<u>Method</u>	<u>As Received</u>	<u>Dry</u>
Moisture, Total %	EN 14774-2	4.90	
Ash %	EN 14775	0.44	0.46
Volatile Matter %	EN 15148	81.18	85.36
Fixed Carbon (by diff) %	(by diff)	13.48	14.18
Sulfur %	EN 15289	0.02	0.02

CALORIFIC VALUES

	<u>Method</u>	<u>As Received</u>	<u>Dry</u>
Calorific Value Btu/lb	EN 14918	8317	8745
Calorific Value kcal/kg	EN 14918	4620	4858
Calorific Value GJ/MT	EN 14918	19.34	20.34
Net CV @ C. Pressure Btu/lb	EN 14918	7715	8167
Net CV @ C. Pressure kcal/kg	EN 14918	4286	4537
Net CV @ C. Pressure GJ/MT	EN 14918	17.95	19.00

Vishwa Sharma
Lab Supervisor

SGS Canada Inc. Minerals Services
7500 76th Street Delta t (604)-946-2249 f (604)-946-2257 www.sgs.com/minerals

Member of the SGS Group (Société Générale de Surveillance)

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ULTIMATE ANALYSIS

	<u>Method</u>	<u>As Received</u>	<u>Dry</u>
Moisture, Total %	EN 14774-2	4.90	
Ash %	EN 14775	0.44	0.46
Sulfur %	EN 15289	0.02	0.02
Carbon %	EN 15104	49.11	51.64
Hydrogen %	EN 15104	5.89	6.19
Nitrogen %	EN 15104	0.127	0.134
Oxygen (by difference) %	(by diff)	39.51	41.56

<u>Tests</u>	<u>Method</u>	<u>Result</u>	<u>Unit</u>
Mechanical Durability	EN 15210-1	98.9	%
Determination of Length			
Pellet Length (% Longer than 1.5 inches)	prEN 16127	0	%

SIEVE ANALYSIS ASTM D4749

<u>Passing</u>	<u>Retained on</u>	<u>% Weight</u>	<u>CUMULATIVE RESULTS</u>	
			<u>% Retained</u>	<u>% Passing</u>
-----	3mm Sq	99.54	99.54	0.46
3mm Sq	0	0.46	100.00	0.00

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REPORT OF ANALYSIS

Sample ID: Sample# 2
Sample Type: Wood Pellets
Sample Wt.: 18 kg
Date Received: May 5, 2014
Contact: Barney Wiebe

SGS Minerals Sample ID: 203-1400436.002

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THIS IS TO REPORT that in accordance with instructions received from our Principal to perform analysis of the above mentioned sample(s), we hereby report the following:

PROXIMATE ANALYSIS

	<u>Method</u>	<u>As Received</u>	<u>Dry</u>
Moisture, Total %	EN 14774-2	4.89	
Ash %	EN 14775	0.47	0.50
Volatile Matter %	EN 15148	81.17	85.34
Fixed Carbon (by diff) %	(by diff)	13.47	14.16
Sulfur %	EN 15289	0.02	0.02

CALORIFIC VALUES

	<u>Method</u>	<u>As Received</u>	<u>Dry</u>
Calorific Value Btu/lb	EN 14918	8355	8785
Calorific Value kcal/kg	EN 14918	4642	4880
Calorific Value GJ/MT	EN 14918	19.43	20.43
Net CV @ C. Pressure Btu/lb	EN 14918	7756	8208
Net CV @ C. Pressure kcal/kg	EN 14918	4309	4560
Net CV @ C. Pressure GJ/MT	EN 14918	18.04	19.09

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ULTIMATE ANALYSIS

	<u>Method</u>	<u>As Received</u>	<u>Dry</u>
Moisture, Total %	EN 14774-2	4.89	
Ash %	EN 14775	0.47	0.50
Sulfur %	EN 15289	0.02	0.02
Carbon %	EN 15104	49.05	51.57
Hydrogen %	EN 15104	5.87	6.17
Nitrogen %	EN 15104	0.135	0.142
Oxygen (by difference) %	(by diff)	39.56	41.60

Tests

	<u>Method</u>	<u>Result</u>	<u>Unit</u>
Mechanical Durability	EN 15210-1	99.1	%
Determination of Length			
Pellet Length (% Longer than 1.5 inches)	prEN 16127	0	%

SIEVE ANALYSIS ASTM D4749

<u>Passing</u>	<u>Retained on</u>	<u>% Weight</u>	<u>CUMULATIVE RESULTS</u>	
			<u>% Retained</u>	<u>% Passing</u>
-----	3mm Sq	99.75	99.75	0.25
3mm Sq	0	0.25	100.00	0.00

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