



REPORT OF ANALYSIS

Principal:
OKANAGAN PELLET COMPANY
2677 Kyle Road
Westbank, BC V1Z 2M9

March 12, 2013

SAMPLE I.D. : Wood Pellets Sample
DATE RECEIVED : March 8, 2013

Our Ref: 203-16096

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, Okanagan Pellet Company, to perform analysis of the above mentioned sample, we hereby report the following:

ANALYSIS	UNIT	RESULT	METHOD
Total Moisture (As Received Basis)	% of weight	5.78	EN 14774-2
Ash (As Received Basis)	% of weight	0.31	EN 14775
Ash (Dry Basis)	% of weight	0.33	EN 14775
Carbon (Dry Basis)	% of weight	50.88	EN 15104
Hydrogen (Dry Basis)	% of weight	6.19	EN 15104
Nitrogen (Dry Basis)	% of weight	0.02	EN 15104
Sulphur (Dry Basis)	% of weight	0.02	EN 15289
Oxygen (Dry Basis)	% of weight	42.56	By difference
CALORIFIC VALUES			EN 14918
		<u>MJ/kg</u> <u>Kcal/kg</u> <u>MWh/ton</u> <u>BTU/lb</u>	
Net Calorific Value at Constant Pressure (as received basis)		17.92 4281 4.98	7705
Net Calorific Value at Constant Volume (as received basis)		18.00 4298 5.00	7737
Net Calorific Value at Constant Pressure (dry basis)		19.17 4579 5.33	8242
Net Calorific Value at Constant Volume (dry basis)		19.24 4596 5.34	8273
Gross Calorific Value at Constant Volume (as received basis)		19.33 4618 5.37	8312
Gross Calorific Value at Constant Volume (dry basis)		20.52 4901 5.70	8821

<u>Fusion Temperature of Ash (Reducing Atmosphere, Method ASTM D 1857)</u>			
Initial Deformation		1465	°C
Softening (h=W)		+1482	°C
Hemispherical		+1482	°C
Fluid		+1482	°C

<u>ANALYSIS (Method ASTM D 4208)</u>	<u>AS RECEIVED BASIS</u>	<u>DRY BASIS</u>
Chlorine (ug/g)	121	129
Chlorine (%)	0.012	0.013

<u>Screen: (Method ASTM D 4749)</u> 3 mm x 0	0.2 % Weight
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V. Sharma, Laboratory Supervisor

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