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BEL BIOMASS ENERGY LAB

Report of Analysis

BEL2533

BioResources Management, Inc.

3520 NW 43rd St.

Gainesville, FL 32606

Company Contact: Brian Condon

BEL ID Number(s): BEL123466 Sample Weight (kg): 0.90 **Product/Commodity:** Sample Received: **Biomass Fuel** 8/29/2013 **Sample Designation:** ID 3142 **Report Date:** 9/4/2013 Packaging: Plastic Bag Report ID: BEL123466-1 8/28/2013 Purchase Order # **Date Sampled:** N/A

Compositional Analysis: Proximate/Ultimate Analysis

Parameter	As-Received	Oven Dry	Analytical Method
Total Moisture (%)	57.92		CEN/EN 14774-1
Ash (%)	0.66	1.57	CEN/EN 14775
Volatiles (%)	34.24	81.36	CEN/EN 15148
Fixed Carbon (%)	7.18	17.06	By Difference
Gross Calorific Value (GJ/Tonne)	8.72	20.72	CEN/EN 14918
Net Calorific Value (cV)(GJ/Tonne)	6.83	19.40	CEN/EN 14918
Net Calorific Value (cP)(GJ/Tonne)	6.72	19.33	CEN/EN 14918
Carbon (%)	21.79	51.79	CEN/EN 15104
Hydrogen (%)	2.70	6.42	CEN/EN 15104
Nitrogen (%)	0.13	0.31	CEN/EN 15104
Sulfur (%)	0.01	0.01	CEN/EN 15289
Oxygen (%)	16.79	39.90	By Difference
Chlorine (%)	<0.005	<0.005	CEN/EN 15289

Prepared By:

Results shown on this certificate represent only the quantity of sample which was submitted for analysis. BEL does not assume responsibility for selection, representation, and/or sample identifications. Analyses are carried out within the scope of Principal's instructions and with due care and skill in conformity with BEL Terms and Conditions of Business. Claims in respect of services provided will be considered only if based upon failure to take due care proven by the Principal. Liability shall in no circumstances whatsoever exceed a total aggregate sum eqaual to 10 (ten) times the amount of the fee paid for the service.

Chis Wiberg