1641 Sigman Road
PO Box 919
Conyers, GA 30012
1-770-922-8000 ext 164
www.biomassenergylab.com

Report of Analysis

BEL2533
BioResources Management, Inc.
3520 NW 43rd St.
Gainesville, FL 32606

Company Contact: Brian Condon

BEL ID Number(s):	BEL123172	**Sample Weight (kg):**	0.99
Product/Commodity:	Biomass Fuel	**Sample Received:**	5/29/2013
Sample Designation:	ID 130524B	**Report Date:**	6/5/2013
Packaging:	Plastic Bag	**Report ID:**	BEL123172-1
Date Sampled:	5/24/2013	**Purchase Order #**	N/A

Compositional Analysis: Proximate/Ultimate Analysis

Parameter	As-Received	Oven Dry	Analytical Method
Total Moisture (%)	35.10		CEN/EN 14774-1
Ash (%)	2.68	4.13	CEN/EN 14775
Volatiles (%)	50.24	77.41	CEN/EN 15148
Fixed Carbon (%)	11.98	18.45	By Difference
Gross Calorific Value (GJ/Tonne)	12.56	19.36	CEN/EN 14918
Net Calorific Value (cV)(GJ/Tonne)	10.98	18.16	CEN/EN 14918
Net Calorific Value (cP)(GJ/Tonne)	10.88	18.09	CEN/EN 14918
Carbon (%)	31.87	49.11	CEN/EN 15104
Hydrogen (%)	3.76	5.80	CEN/EN 15104
Nitrogen (%)	0.28	0.43	CEN/EN 15104
Sulfur (%)	0.01	0.01	CEN/EN 15289
Oxygen (%)	26.30	40.52	By Difference
Chlorine (ppm)	177	273	CEN/EN 15289
Fluroine (ppm)	<5.0	<5.0	CEN/EN 15289
Mercury (ppm)	0.01	0.01	CEN/EN 15297

Prepared By: Chris Wiberg

1641 Sigman Road
PO Box 919
Conyers, GA 30012
1-770-922-8000 ext 164
www.biomassenergylab.com

Report of Analysis

BEL2533
BioResources Management, Inc.
3520 NW 43rd St.

Company Contact: Brian Condon

BEL ID Number:	BEL123172	**Sample Weight (kg):**	0.99
Product/Commodity:	Biomass Fuel	**Sample Received:**	5/29/2013
Sample Designation:	ID 130524B	**Report Date:**	6/5/2013
Packaging:	Plastic Bag	**Report ID:**	BEL123172-1
Seal Code:	5/24/2013	**Purchase Order #**	N/A

Analysis of Ash: Mineral Ash Analysis

Mineral Ash Analysis	Dry Basis	Units	CEN/EN 15290
Silicon Dioxide in Ash (SiO_2)	57.85	Wt. %	Wt. % in ash
Aluminum Oxide in Ash (Al_2O_3)	1.28	Wt. %	
Titanium Dioxide in Ash (TiO_2)	0.16	Wt. %	
Iron Oxide in Ash (Fe_2O_3)	0.55	Wt. %	
Calcium Oxide in Ash (CaO)	24.47	Wt. %	
Magnesium Oxide in Ash (MgO)	2.12	Wt. %	
Potassium Oxide in Ash (K_2O)	4.53	Wt. %	
Sodium Oxide in Ash (Na_2O)	0.41	Wt. %	
Sulfur Trioxide in Ash (SO_3)	1.32	Wt. %	
Phosphorus pentoxide in Ash (P_2O_5)	3.13	Wt. %	
Strontium Oxide in Ash (SrO)	0.05	Wt. %	
Barium Oxide (BaO)	0.01	Wt. %	
Manganese Oxide in Ash (MnO)	0.11	Wt. %	

Prepared By: Chris Wiberg