

PROXIMATE ANALYSIS

Customer: Crowley & VSE
Paul Simpson
1700 McLeary St. #2002
San Juan, PR 00911

Report Date: April 01, 2010

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Material Tested:	Solid Fuel	HawkMtn WO #:	1003-01066-001
Date Sampled:	03/25/2010	Sampler:	Client
Date Received:	03/26/2010	Sample Point ID:	OlympiakOS001
Client Sample ID:	OlympiakOS001		

Gross Weight as Received = 17.62 kg Air Dry Loss (ASTM D 2013) = 1.05 %

Test		As Received	As Determined	Dry
% Moisture	(ASTM D5142)	3.03	2.00	
% Ash	(ASTM D5142)	9.79	9.89	10.09
BTU/lb	(ASTM D5865)	13082	13221	13491
% Sulfur	(ASTM D4239)	0.64	0.65	0.66
% Volatile Matter	(ASTM D3175)	33.91	34.27	34.97
% Fixed Carbon	(ASTM D3172)	53.27	53.84	54.94

BTU Moisture Ash Free Basis 15005 BTU/lb. (daf)



ULTIMATE ANALYSIS

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Ultimate Analysis (ASTM Methods D3176, D5373, D4239C, D5142, D6721, D6414)

AS DETERMINED

AS RECEIVED

Hydrogen & Oxygen
includes H&Ox in sample as
determined moisture

Hydrogen & Oxygen
including H&Ox in
As Rec' Moisture

Hydrogen & Oxygen
Not Including H&Ox
in As Rec' Moisture

DRY BASIS

% Carbon	74.34	75.86	73.56	73.56
% Hydrogen	4.84	4.71	4.91	4.57
% Nitrogen	1.97	2.01	1.95	1.95
% Sulfur	0.65	0.66	0.64	0.64
% Ash	9.89	10.09	9.79	9.79
% Oxygen	8.31	6.67	9.16	6.47
% Moisture	2.00			3.03
Dulong Value	13464 BTU lb			

Grindability (ASTM D409) 57.4HGI

These results relate only to the sample noted above.

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Jeff Gittleman, Lab Director



Laboratory Report

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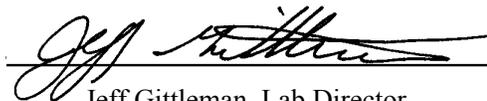
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SIZE DISTRIBUTION

	Retained	Passing
Size:62mm, 2 7/16" Retain	7.8%	92.2%
Size:41mm, 1 5/8" Retain	7.0%	85.2%
Size:21.00mm, 13/16 Round R	11.7%	73.5%
Size:14.00mm, 9/16" Round R	8.5%	65.0%
Size:08.00mm, 5/16" Round R	12.4%	52.5%
Size:04.80mm, 3/16" Round R	9.5%	43.1%
Size:02.40mm, 3/32" Round R	11.5%	31.6%
Size:01.20mm, 3/64" Round R	10.2%	21.4%
Size:0.150mm No.100 100mesh	15.2%	6.1%
Size: Thru & Setup	6.1%	



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