

New Creek composite: ROM 26 Aug- 10 Sep 2018
112/595

BASIS		As received	Air Dried	Dry	Dry Ash Free
TOTAL MOISTURE (%)		19.5			
CALORIFIC VALUE		(ar)	(ad)	(db)	(daf)
Gross	MJ/kg	23.69	26.22	29.43	30.38
	kcal/kg	5657	6261	7027	7255
Net	MJ/kg	22.37			
	kcal/kg	5341			
PROXIMATE ANALYSIS		(ar)	(ad)	(db)	(daf)
Moisture	%		10.9		
Ash Content	%	2.5	2.8	3.1	
Volatile Matter	%	36.2	40.1	45.0	
Fixed Carbon	%	41.7	46.2	51.9	
Total Sulphur	%	4.16	4.60	5.16	
ADDITIONAL ANALYSIS		(ar)	(ad)	(db)	(daf)
HGI			70*		
Fluorine	ppm		5		
Chlorine	%		<0.01		
Phosphorous in coal	%	0.001	0.001	0.002	
ULTIMATE ANALYSIS		(ar)	(ad)	(db)	(daf)
Carbon	%	57.5	63.6	71.4	73.7
Hydrogen	%	3.94	4.36	4.89	5.05
Nitrogen	%	0.85	0.94	1.05	1.08
Sulphur	%	4.16	4.60	5.16	5.33
Oxygen	%	11.6	12.8	14.4	14.9
ASH ANALYSIS % (db)				(db)	
SiO2				32.63	
Al2O3				7.46	
Fe2O3				17.40	
CaO				16.16	
MgO				1.09	
Na2O				0.44	
K2O				0.56	
TiO2				0.29	
Mn3O4				0.20	
SO3				22.35	
P2O5				0.12	
TYPICAL SIZING % (ar)					
+50				0	

*HGI from individual New Creek train (112/600 received 18/09/18) with very similar characteristics to composite sample