



# RF Global Holdings LLC

## American Steam Coal Specifications\*

Reported To:

	As Received	Dry	ASTM Method
Moisture	14.14%		(D-2961 M, D-3173)
Ash	9.92%	11.55%	(D-3174)
Volatile Matter	27.99%	32.60%	(D-3175)
Fixed Carbon	47.96%	55.85%	(D-3174)
Sulfur	1.43%	1.67%	(D-4239)
Heat Content	10,690 BTU/lb	12,450 BTU/lb	(D-5885)
MAF		14,076 BTU/lb	
Unburnt Carbon	75.95	88.45	
Ash Fusion Data (D-1857)			
Initial Deformation	Deg. F	Residual Moisture	1.20% (D-3173)
Softening (H=W)	Deg. F	Free Swelling Index	(D-0720)
Hemispherical (H=1/2W)	Deg. F	Grindability Index	46 (D-0409)
Fluid Temperature	Deg. F		

Please contact us at [itr@rfglobalholdings.com](mailto:itr@rfglobalholdings.com) for more details!

\*Note: Sample was taken on 4-25-2012 by American testing lab.

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## American Indonesian Steam Coal Specifications\*

### ULTIMATE ANALYSIS OF COAL

	AS RECEIVED	DRY	ASTM METHOD
TOTAL MOISTURE	14.14 %		(D-2961, D-3173)
ASH	9.92 %	11.55 %	(D-3174)
SULFUR	1.43 %	1.67 %	(D-4239)
* HYDROGEN	5.12 %	5.05 %	(D-5373)
* NITROGEN	1.16 %	1.17 %	(D-5373)
OXYGEN (DIFF	68.17 %	80.56 %	(D-3176)

✓ Brett Hegal

### CERTIFICATE OF ANALYSIS MINERAL CONTENT OF COAL ASH - DRY MATTER BASIS

#### ELEMENT

#### CONCENTRATION

FERRIC OXIDE	(Fe <sub>2</sub> O <sub>3</sub> )	3.92 %
POTASSIUM OXIDE	(K <sub>2</sub> O)	1.95 %
SODIUM OXIDE	(Na <sub>2</sub> O)	0.36 %

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## **American Indonesian Steam Coal Specifications\***

### **Reducing Atmosphere**

<b>Ash Fusion Data</b>	<b>ASTM Method (D-1857)</b>
<b>Initial Deformation</b>	2072 Deg. F.
<b>Softening (H=W)</b>	>2700 Deg. F.
<b>Hemispherical (H=1/2W)</b>	>2700 Deg. F.
<b>Fluid Temperature</b>	>2700 Def. F.

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