



master com

9100 STEAM COAL

	Parameter	Basis	Typical Specification Units
Calorific Value	GCV	As received	5,057 kcal/kg
		As received	9,100 BTU/lb
		As received	21.17 MJ/kg
	NCV	As received	4,753 kcal/kg
		As received	8,553 BTU/lb
		As received	19.90 MJ/kg
Proximate Analysis	Total Moisture	As received	21.0 %
	Ash	As received	9.0 %
	Volatile Matter	As received	37.0 %
	Fixed Carbon (by diff.)	As received	33.0 %
	Total Sulphur	As received	1.40 %
Ultimate Analysis	Carbon	Dry	66.50 %
	Hydrogen	Dry	4.50 %
	Nitrogen	Dry	1.70 %
	Sulphur	Dry	1.77 %
	Ash	Dry	11.39 %
	Oxygen	Dry	14.14 %
Ash Analysis	SiO ₂	Dry	40.00 %
	Al ₂ O ₃	Dry	22.90 %
	Fe ₂ O ₃	Dry	13.50 %
	CaO	Dry	6.50 %
	MgO	Dry	3.00 %
	TiO ₂	Dry	1.04 %
	K ₂ O	Dry	0.85 %
	Na ₂ O	Dry	1.60 %
	SO ₃	Dry	9.30 %
	P ₂ O ₅	Dry	0.11 %
Ash Fusion	Initial Deformation	Reducing	1,120 °C
	Spherical	Reducing	1,133 °C
	Hemispherical	Reducing	1,223 °C
	Flow	Reducing	1,243 °C
Ash characteristics	Base to Acid ratio		0.40
	Slagging index		0.71
	Fouling index		0.64
Handling	HGI		50
	Nominal topsize		0 mm
	Fuel ratio		0.89