



master com

10800 STEAM COAL

	Parameter	Basis	Typical Specification Units
Calorific Value	GCV	As received	6,001 kcal/kg
		As received	10,800 BTU/lb
		As received	25.13 MJ/kg
	NCV	As received	5,713 kcal/kg
		As received	10,281 BTU/lb
		As received	23.92 MJ/kg
Proximate Analysis	Total Moisture	As received	14.5 %
	Ash	As received	10.5 %
	Volatile Matter	As received	37.5 %
	Fixed Carbon (by diff.)	As received	37.5 %
	Total Sulphur	As received	0.98 %
Ultimate Analysis	Carbon	Dry	68.75 %
	Hydrogen	Dry	4.66 %
	Nitrogen	Dry	1.76 %
	Sulphur	Dry	1.14 %
	Ash	Dry	12.28 %
	Oxygen	Dry	11.41 %
Ash Analysis	SiO ₂	Dry	51.25 %
	Al ₂ O ₃	Dry	22.94 %
	Fe ₂ O ₃	Dry	10.00 %
	CaO	Dry	4.30 %
	MgO	Dry	1.79 %
	TiO ₂	Dry	1.18 %
	K ₂ O	Dry	0.90 %
	Na ₂ O	Dry	0.95 %
	SO ₃	Dry	5.25 %
	P ₂ O ₅	Dry	0.12 %
Ash Fusion	Initial Deformation	Reducing	1,210 °C
	Spherical	Reducing	1,242 °C
	Hemispherical	Reducing	1,312 °C
	Flow	Reducing	1,347 °C
Ash characteristics	Base to Acid ratio		0.24
	Slagging index		0.27
	Fouling index		0.23
Handling	HGI		50
	Nominal topsize		0 mm
	Fuel ratio		1.00