



master com

11300 STEAM COAL

	Parameter	Basis	Typical Specification Units
Calorific Value	GCV	As received	6,281 kcal/kg
		As received	11,303 BTU/lb
		As received	26.30 MJ/kg
	NCV	As received	5,997 kcal/kg
		As received	10,791 BTU/lb
		As received	25.11 MJ/kg
Proximate Analysis	Total Moisture	As received	12.6 %
	Ash	As received	9.0 %
	Volatile Matter	As received	37.6 %
	Fixed Carbon (by diff.)	As received	40.8 %
	Total Sulphur	As received	0.95 %
Ultimate Analysis	Carbon	Dry	68.82 %
	Hydrogen	Dry	4.71 %
	Nitrogen	Dry	1.77 %
	Sulphur	Dry	1.08 %
	Ash	Dry	10.29 %
	Oxygen	Dry	13.32 %
Ash Analysis	SiO ₂	Dry	54.58 %
	Al ₂ O ₃	Dry	22.95 %
	Fe ₂ O ₃	Dry	8.96 %
	CaO	Dry	3.65 %
	MgO	Dry	1.43 %
	TiO ₂	Dry	1.22 %
	K ₂ O	Dry	0.91 %
	Na ₂ O	Dry	0.76 %
	SO ₃	Dry	4.05 %
P ₂ O ₅	Dry	0.12 %	
Ash Fusion	Initial Deformation	Reducing	1,237 °C
	Spherical	Reducing	1,274 °C
	Hemispherical	Reducing	1,338 °C
	Flow	Reducing	1,377 °C
Ash characteristics	Base to Acid ratio		0.20
	Slagging index		0.22
	Fouling index		0.15
Handling	HGI		50
	Nominal topsize		0 mm
	Fuel ratio		1.08