



master com

12300 STEAM COAL

	Parameter	Basis	Typical Specification Units
Calorific Value	GCV	As received	6,835 kcal/kg
		As received	12,300 BTU/lb
		As received	28.62 MJ/kg
	NCV	As received	6,557 kcal/kg
		As received	11,800 BTU/lb
		As received	27.46 MJ/kg
Proximate Analysis	Total Moisture	As received	9.0 %
	Ash	As received	9.0 %
	Volatile Matter	As received	38.0 %
	Fixed Carbon (by diff.)	As received	44.0 %
	Total Sulphur	As received	0.70 %
Ultimate Analysis	Carbon	Dry	69.00 %
	Hydrogen	Dry	4.82 %
	Nitrogen	Dry	1.81 %
	Sulphur	Dry	0.77 %
	Ash	Dry	9.89 %
	Oxygen	Dry	13.71 %
Ash Analysis	SiO ₂	Dry	62.50 %
	Al ₂ O ₃	Dry	22.98 %
	Fe ₂ O ₃	Dry	6.50 %
	CaO	Dry	2.10 %
	MgO	Dry	0.57 %
	TiO ₂	Dry	1.32 %
	K ₂ O	Dry	0.95 %
	Na ₂ O	Dry	0.30 %
	SO ₃	Dry	1.20 %
P ₂ O ₅	Dry	0.12 %	
Ash Fusion	Initial Deformation	Reducing	1,300 °C
	Spherical	Reducing	1,350 °C
	Hemispherical	Reducing	1,400 °C
	Flow	Reducing	1,450 °C
Ash characteristics	Base to Acid ratio		0.12
	Slagging index		0.09
	Fouling index		0.04
Handling	HGI		50
	Nominal topsize		0 mm
	Fuel ratio		1.16