

Carbo One - Low CV HV-coal

Indicative Specifications on As Received basis (%)

Steam Coal

	Typical	min	max
Moisture	16.00		19.00
Ash	8.00		12.00
Volatile	31.50	28.00	
Sulphur	0.40		0.60
Net CV	5 500	5 250	
HGI	44.00		
Phosphorus	0.025		

Ultimate analysis (DAF)

Carbon	78.77
Hydrogen	5.50
Nitrogen	2.01
Oxygen	13.09

Ash Fusion Temp (Reducing Atmosphere)

Deformation	1 450
Softening	1 480
Hemisphere	1 500
Flow	1 530

Ash mineral analysis (dry)

SiO ₂	Silicon Dioxide	59.93
Al ₂ O ₃	Aluminium Oxide	25.46
Fe ₂ O ₃	Iron Oxide	4.82
TiO ₂	Titanium Dioxide	0.96
CaO	Calcium Oxide	3.77
MgO	Magnesium Oxide	1.30
K ₂ O	Potassium Oxide	1.94
Na ₂ O	Sodium Oxide	0.23
SO ₃	Sulphur Trioxide	0.71
P ₂ O ₅	Phosphorus Pentoxide	0.68
Mn ₃ O ₄	Manganese Dioxide	0.20

Size Fraction (approximately) %

0-1mm	16
1-6mm	24
6-13mm	16
13-25mm	20
25-50mm	21
>50mm	3 .+50 mm - 5% max