

Carbo One - High CV

Indicative Specifications on As Received basis (%)

Steam Coal

	Typical	min	max
Moisture	9.00		14.00
Ash	10.50		14.00
Volatile	31.00	28.00	35.00
Sulphur	0.40		0.50
Net CV	6 200	5 900	
HGI	56.00		
Phosphorus	0.030		

Ultimate analysis (DAF)

Carbon	86.15
Hydrogen	5.74
Nitrogen	2.47
Oxygen	5.11

Ash Fusion Temp (Reducing Atmosphere)

Deformation	1 490	1 300
Softening	1 500	1 350
Hemisphere	1 510	1 400
Flow	1 540	1 450

Ash mineral analysis (dry)

SiO ₂	Silicon Dioxide	64.58
Al ₂ O ₃	Aluminium Oxide	25.30
Fe ₂ O ₃	Iron Oxide	3.23
TiO ₂	Titanium Dioxide	0.90
CaO	Calcium Oxide	2.19
MgO	Magnesium Oxide	0.96
K ₂ O	Potassium Oxide	1.61
Na ₂ O	Sodium Oxide	0.22
SO ₃	Sulphur Trioxide	0.45
P ₂ O ₅	Phosphorus Pentoxide	0.54
Mn ₃ O ₄	Manganese Dioxide	0.03

FSI	1.0
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Size Fraction (approximately) %

0-1mm	16
1-6mm	28
6-13mm	24
13-25mm	20
25-50mm	10
>50mm	2 .+50 mm - 5% max