

Carbo One - Washed SS-coal (Vakhrushevsky SSPK)

Indicative Specifications on As Received basis (%)

	Sized coal		
	Typical	min	max
Moisture	8.00		10.00
Ash	5.00		7.00
Volatile	26.50	25.60	27.00
Sulphur	0.27		0.35
Net CV	6900 - 7000	6 850	
HGI	55 - 65		
Phosphorus dry	0.030		

Ultimate analysis (DAF)

Carbon	84.38
Hydrogen	5.22
Nitrogen	2.14
Oxygen	7.91

Ash Fusion Temp (Reducing Atmosphere)

Deformation	1 520
Softening	1 530
Hemisphere	1 540
Flow	1 550

Ash mineral analysis (dry)

SiO ₂	Silicon Dioxide	57.14
Al ₂ O ₃	Aluminium Oxide	28.74
Fe ₂ O ₃	Iron Oxide	5.45
TiO ₂	Titanium Dioxide	0.88
CaO	Calcium Oxide	2.71
MgO	Magnesium Oxide	0.68
K ₂ O	Potassium Oxide	1.37
Na ₂ O	Sodium Oxide	0.23
SO ₃	Sulphur Trioxide	1.53
P ₂ O ₅	Phosphorus Pentoxide	1.20
Mn ₃ O ₄	Manganese Dioxide	0.07

FSI	1.00
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Size Fraction (approximately) %

0-20mm	5.6	20
20-50mm	8.8	
50-100mm	60.2	
100-150mm	15.4	
150-200mm	7.8	
>200mm	2.5	5