

## Carbo One - Washed SS-coal (Kedrovsky SSOM)

### Indicative Specifications on As Received basis (%)

|                   | <b>Typical</b> | <b>min</b> | <b>max</b> |
|-------------------|----------------|------------|------------|
| <b>Moisture</b>   | 7.00           |            | 10.00      |
| <b>Ash</b>        | 7.00           |            | 9.00       |
| <b>Volatile</b>   | 21.00          | 19.00      | 23.00      |
| <b>Sulphur</b>    | 0.26           |            | 0.40       |
| <b>Net CV</b>     | 7 000          | 6 800      |            |
| <b>HGI</b>        | 67.00          |            |            |
| <b>Phosphorus</b> | 0.013          |            |            |

### Ultimate analysis (DAF)

|                 |       |
|-----------------|-------|
| <b>Carbon</b>   | 87.07 |
| <b>Hydrogen</b> | 5.67  |
| <b>Nitrogen</b> | 2.23  |
| <b>Oxygen</b>   | 4.71  |

### Ash Fusion Temp (Reducing Atmosphere)

|             |       |       |
|-------------|-------|-------|
| Deformation | 1 250 | 1 200 |
| Softening   | 1 260 | 1 210 |
| Hemisphere  | 1 280 | 1 230 |
| Flow        | 1 300 | 1 250 |

### Ash mineral analysis (dry)

|                                |                      |       |
|--------------------------------|----------------------|-------|
| SiO <sub>2</sub>               | Silicon Dioxide      | 38.09 |
| Al <sub>2</sub> O <sub>3</sub> | Aluminium Oxide      | 29.12 |
| Fe <sub>2</sub> O <sub>3</sub> | Iron Oxide           | 10.06 |
| TiO <sub>2</sub>               | Titanium Dioxide     | 0.92  |
| CaO                            | Calcium Oxide        | 10.36 |
| MgO                            | Magnesium Oxide      | 3.78  |
| K <sub>2</sub> O               | Potassium Oxide      | 1.26  |
| Na <sub>2</sub> O              | Sodium Oxide         | 0.28  |
| SO <sub>3</sub>                | Sulphur Trioxide     | 5.51  |
| P <sub>2</sub> O <sub>5</sub>  | Phosphorus Pentoxide | 0.38  |
| Mn <sub>3</sub> O <sub>4</sub> | Manganese Dioxide    | 0.24  |

|     |      |
|-----|------|
| FSI | 1.00 |
|-----|------|

### Size Fraction (approximately) %

|         |                     |
|---------|---------------------|
| 0-1mm   | 2                   |
| 1-6mm   | 3                   |
| 6-13mm  | 8                   |
| 13-25mm | 23                  |
| 25-50mm | 59                  |
| >50mm   | 5 .+50 mm - 10% max |