

Filtracarb CC65

A granular activated carbon manufactured from specially selected grades of bituminous coal by a steam activation process.

The material is water washed during production to ensure good wetting characteristics.

This carbon is used for high purity applications such as drinking water and removal of trace material.

- High efficiency regeneration
- Product readily water wets
- Large surface area
- Supplied to BS EN ISO 9002:1994
- Drinking Water Inspectorate Approved

STANDARD SPECIFICATION

| Parameter | Unit | Value | | | Method |
|---------------------------------------|------------------------|---------------|----------------|----------------|------------|
| Type | | Coal | | | |
| Carbon Tetrachloride adsorption (CTC) | % min | 65 | | | ASTM D3467 |
| Iodine number | mg g ⁻¹ min | 1 050 | | | ASTM D4607 |
| Moisture as packed | % max | 2 | | | ASTM D2867 |
| Hardness | % min | 95 | | | ASTM D3802 |
| Mesh size US sieve:- | | 8 x 30 | 12 x 40 | 20 x 50 | |
| +8 (2.36 mm) | % max | 5 | | | |
| +12 (1.70 mm) | % max | - | 3 | | |
| +20 (0.85 mm) | % max | - | - | 3 | |
| -30 (0.60 mm) | % max | 3 | - | - | |
| -40 (0.425 mm) | % max | Trace | 3 | - | |
| -50 (0.30 mm) | % max | | Trace | 5 | |

TYPICAL PROPERTIES

| Parameter | Unit | Value | Method |
|----------------------------------|---------------------------------|------------|--------------------|
| Bulk density | g cm ⁻³ | 0.40 | ASTM D2854 |
| Density (backwashed and drained) | g cm ⁻³ | 0.36 | See note 1 |
| pH aqueous extract | | 8 | ASTM D3838 |
| Ash | % | 10 | ASTM D2866 |
| Methylene blue | mg g ⁻¹ | 260-280 | |
| Surface area | m ² g ⁻¹ | 1 050-1150 | BET N ₂ |
| Pore volume | cm ³ g ⁻¹ | 1.11-1.13 | |