

## AquaSorb® CS

### granular coconut shell based activated carbon

#### Features and Benefits

- Extensive internal structure
- Optimized density
- Highly microporous structure
- Maximum hardness
- Low dust and turbidity
- Excellent adsorption capacity
- High volume activity
- Rapid dechlorination
- Effective removal of ozone
- Low filtered water turbidity

#### Typical Applications

- Municipal drinking water treatment
- Residential water treatment systems Point of Entry (POE)/ Point of Use (POU)
- Beverage production
- Protection of ion exchange resins from chlorine and organic fouling

#### Available Particle Sizes

- 20x50 mesh (0.30 - 0.85 mm)
- 12x40 mesh (0.425 - 1.70 mm)
- 8x30 mesh (0.60 - 2.36 mm)
- 8x16 mesh (1.18 - 2.36 mm)
- other granulations available upon request

#### Certifications and Approvals

- AWWA B604-96
- EN12915
- NSF Std. 61

#### Standard Packaging

- 25 kg bag (55 lb)
- 500 kg bulk bag (1100 lb)



The polyethylene valve bag from Jacobi sets the standard in the industry for clean, durable and safe handling.

AquaSorb® CS is a high activity granular activated carbon manufactured by steam activation from select coconut shell charcoal. Its enhanced microporosity makes it particularly well suited for the removal of low molecular weight organic compounds and their chlorinated by-products such as chloroform and other trihalomethanes (THM's). It is also ideally suited for the removal of oxidizing agents such as chlorine and ozone from process water. An important feature of this material is its superior mechanical hardness and the extensive dedusting during its manufacture that ensures an exceptionally clean activated carbon product.



Soft drink manufacturers and breweries rely upon AquaSorb® CS activated carbon for dechlorination and dissolved organic removal.

#### Specification

|                              |                |
|------------------------------|----------------|
| Iodine number                | min. 1000 mg/g |
| Moisture content (as packed) | max. 5%        |
| Total ash content            | max. 4%        |
| Ball-pan hardness            | min. 98%       |

#### Typical Properties

|   |                        |
|---|------------------------|
| Surface area (BET)                      | 1050 m <sup>2</sup> /g |
| CTC activity                            | 55%                    |
| Chlorine half length value (12x40 mesh) | 1.8 cm                 |
| Apparent density                        | 510 kg/m <sup>3</sup>  |
| Bed density, backwash and drained       | 440 kg/m <sup>3</sup>  |
| pH                                      | 10                     |

Jacobi Carbons reserves the right to modify specifications without prior notice. To obtain a full sales specification with test methods, please contact your nearest Jacobi Carbons office.

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Certified to ANSI/NSF Std. 61



Polyethylene valve bags of  
25 kg (55 lb) net weight on  
500 kg (1100 lb) pallets



Polypropylene liner-free  
FIBCs (super sacks) of  
500 kg (1100 lb) net weight

**CAUTION** Activated carbon is a strong oxidizing agent and can remove oxygen from air under wet or humid conditions. Care should be taken when entering confined spaces where wet activated carbon is present. Ensure the use of correct breathing apparatus. Material Safety Data Sheets should be consulted for further details on procedures in the event of contact with activated carbon.

**NOTICE** Due to the progressive nature of Jacobi Carbons Group and the continually improving design and performance of our products, we reserve the right to change product specifications without prior notification. The information contained in this datasheet is intended to assist a customer in the evaluation and selection of products supplied by Jacobi Carbons. The customer is responsible for determining whether products and the information contained in this document are appropriate for customer's use. Jacobi Carbons assumes no obligation or liability for the usage of the information in this datasheet, no guarantees or warranties, expressed or implied, are provided. Jacobi Carbons disclaims responsibility and the user must accept full responsibility for performance of systems based on this data.

ISO 9001

BUREAU VERITAS  
Certification

