

## ColorSorb® G9

powdered wood based  
activated carbon

### Features and Benefits

- Steam activation
- Premium activity adsorbent
- Unique macropore / mesopore system
- Low mineral ash content
- Stringent pH specification
- Strictly controlled particle size

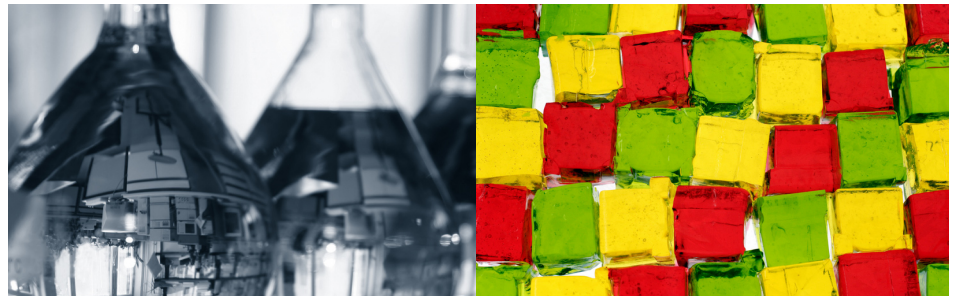
### Typical Applications

- Glycerine (technical)
- Gelatine
- Edible oil and fat
- Electrolysis process
- Purification of organic acids
- Decolorising of chemicals

### Certifications and Approvals

- US Food Chemicals Codex

ColorSorb® G9 is a premium activity adsorbent manufactured using steam activation of selected grades of wood. This material exhibits a highly developed macropore / mesopore system, ideal for the rapid diffusion and efficient adsorption of light organic molecules. The unique manufacturing process provides a range of materials, readily capable of operating in equilibrium with the pH of the adsorption system. Strict control of the particle size is used to optimize adsorption kinetics and assist with efficient filtration.



Food, Chemical and Pharmaceutical industries rely upon ColorSorb® activated carbon for decolorization and adsorption of organic compounds

### Specification

|                              |                |
|------------------------------|----------------|
| Iodine number                | min. 1000 mg/g |
| Total ash content            | max. 8%        |
| Moisture content (as packed) | max. 5%        |
| pH                           | 9 - 11         |

### Particle Size Distribution

|                     |           |
|---------------------|-----------|
| <100 USS (0.15 mm)  | 95 - 100% |
| <200 USS (0.075 mm) | 80 - 95%  |
| <325 USS (0.045 mm) | 65 - 80%  |

### Typical Properties

|                    |                        |
|--------------------|------------------------|
| Surface area (BET) | 1050 m <sup>2</sup> /g |
| Molasses number    | 210-280                |

### Standard Packaging

- 20 kg (44 lb) sacks
- 454 kg (1000 lb) bulk bags



## CORPORATE OFFICE

### Sweden

Jacobi Carbons AB  
Bredbandet 1, Varvsholmen  
SE-392 30 Kalmar

Tel: +46 480 417550  
Fax: +46 480 417559  
info@jacobi.net  
www.jacobi.net

## SALES OFFICES

### Germany

Jacobi Carbons GmbH  
Feldbergstrasse 21  
D-60323 Frankfurt/Main

Tel +49 69 719107-0  
Fax +49 69 719107-20  
infode@jacobi.net

### United States

Jacobi Carbons, Inc.  
1518 Walnut Street, 18th Floor  
Philadelphia, PA 19102

Tel: (215) 546-3900  
Fax: (215) 546-9921  
infous@jacobi.net

### United Kingdom

Jacobi Carbons Ltd.  
Croft Court, Moss Estate  
Leigh, Lancs, WN7 3PT

Tel: +44 1942 670 600  
Fax +44 1942 670 605  
infouk@jacobi.net

### Malaysia

Jacobi Carbons (Asia) Sdn Bhd  
1-04-18, Krystal Point Corporate Park  
Jalan Tun Dr. Awang  
11900 Bayan Lepas, Penang

Tel: +60 4 643 9828  
Fax: +60 4 644 3928  
infoasia@jacobi.net



# Jacobi

THE CARBON COMPANY

## SALES OFFICES (cont.)

### Finland

Jacobi Carbons AB (SS)  
Ruoholahdenkatu 8  
SF-00180 Helsinki

Tel: +358 9 643602  
Fax: +358 9 642900  
infofin@jacobi.net

### Switzerland

Jacobi Carbons AG  
Rheinweg 5  
CH-8200 Schaffhausen

Tel: +41 52 647 30 00  
Fax: +41 52 647 30 09  
infoch@jacobi.net



Paper bags of 20 kg (44 lb)  
net weight on 400 kg (880  
lb) pallets



Polypropylene FIBCs (super  
sacks) of 454 kg (1000 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.

