

ColorSorb® G5

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

- Starch based sweeteners
- Dextrose
- Glucose
- Fructose (HFCS)
- Patuline removal
- Pharmaceuticals (API)
- Lactose products
- Plasticisers
- Fine chemicals

ColorSorb® G5 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.



ColorSorb® is designed for use in food, chemical and pharmaceutical applications, for the adsorption of bulky organic molecules and decolorization.

Specification

Iodine number	min. 900 mg/g
Total ash content	max. 8.5%
Moisture content (as packed)	max. 10%
pH	3 - 5

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 N2)	950 m ² /g
Molasses number	225-295

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.



WORLDWIDE DISTRIBUTORS A diverse network of agents, strategically located around the world. Please contact any Jacobi Carbons office to locate your nearest distributor. AquaSorb®, EcoSorb®, GoldSorb®, ColorSorb®, DioxSorb®, AddSorb® and Jacobi are registered trademarks of Jacobi Carbons. © Jacobi Carbons, 2007.