# TECHNICAL DATASHEET



# ColorSorb® G5

# powdered wood based activated carbon

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**

min. 900 mg/g
max. 8.5%
max. 10%
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 m²/g
Molasses number	225-295

## 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

### Standard Packaging

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



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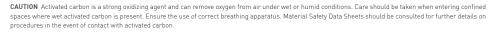
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Paper bags of 20 kg (44 lb) net weight on 400 kg (880 lb) pallets



Polypropylene FIBCs (super sacks) of 454 kg (1000 lb) net weight



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.

