



# TECHNICAL DATASHEET

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Abnie Paidar Sabz CO.  
[www.abpsoil.com](http://www.abpsoil.com)

## ColorSorb® P5

powdered wood based  
activated carbon

### Features and Benefits

- Chemical activation (phosphoric acid)
- Premium activity adsorbent
- Predominantly macroporous
- Low mineral ash content
- Stringent pH specification
- Strictly controlled particle size

### Typical Applications

- Starch based sweeteners
- Dextrose
- Glucose
- Fructose (HFCS)
- Pharmaceuticals (API)
- Yeast extracts

### Certifications and Approvals

- US Food Chemicals Codex

ColorSorb® P5 is a premium activity adsorbent manufactured using chemical activation (phosphoric acid) of select grades of wood. This material has a predominantly macroporous structure for efficient diffusion and effective adsorption of high molecular weight organic substances in liquid phase decolorization applications. The chemical activation process produces an adsorbent with a surface pH designed to maximize decolorization performance. 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 large organic molecules and decolorization.

### Specification\*

Iodine number	min. 900 mg/g
Molasses number	120-160
Total ash content	max. 6%
Moisture content	max. 10%
pH	4.5 - 6
Phosphate content	max. 1.7%

### Standard Packaging

- 20 kg (44 lb) sacks
- 400 kg (880 lb) bulk bags



### Particle Size Distribution

<100 USS (0.15 mm)	95 - 100%
<200 USS (0.075 mm)	85 - 95%
<325 USS (0.045 mm)	65 - 85%

### Typical Properties\*

Surface area (BET)	1150 m <sup>2</sup> /g
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The multiwall paper/PE bag from Jacobi sets the standard in the industry for clean, durable and safe handling.

\* Specifications and typical properties are produced using Jacobi Carbons' test methods. They are listed for informational purposes only and not to be used as purchase specifications. Sales specifications can be obtained from your Jacobi Carbons Technical Sales Representative and should be reviewed before placing an order.

COLORP5-DSE-C0904



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**Jacobi**  
THE CARBON COMPANY



Paper bags,  
20 bags per pallet.



**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 the 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.

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