

## ColorSorb® BAK

granular coal based  
reagglomerated activated carbon

### Features and Benefits

- Super-active adsorbent
- High mesoporosity
- Increased filter life times
- Unique adsorption characteristics
- pH buffering effect

### Typical Applications

- Cane Sugar purification

### Available Particle Sizes

- 8x30 mesh (0.60 mm - 2.36 mm)
- 12x40 mesh (0.425 mm - 1.70 mm)

### Certifications and Approvals

- Food and Chemicals Codex

ColorSorb® BAK is a high activity, granular reagglomerated activated carbon manufactured by steam activation from a high purity source of bituminous coal. This enhanced product has a highly developed transitional pore structure resulting in outstanding performance for the adsorption of medium-to-high molecular weight compounds. This high mesoporosity allows the effective removal of color bodies and complex organic molecules and provides an excellent adsorption capacity. The product has been engineered to have superior mechanical strength and this ensures negligible losses through multiple reactivations. ColorSorb® BAK contains a pH buffering agent to minimise the risk of inversion of sucrose.



ColorSorb® BAK is a high capacity, mesoporous bituminous coal based activated carbon developed especially for decolorization of sugar, especially sucrose from cane refining processes.

### Specification\*

Iodine number	min. 950 mg/g
Molasses number (US)	min. 230
Moisture content	max. 5%
Hardness	min. 90%
Wettability	min. 99.5%

### Standard Packaging

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



The liner-free laminated bulk bag from Jacobi sets the standard in the industry for clean, durable and safe handling.

### Typical Properties\*

Total pore content	1.10 cm <sup>3</sup> /g
Apparent density	460 kg/m <sup>3</sup>
pH	8 - 11

\* 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.

JACOBI-TDS-COLORSORB-BAK-A4-A0212



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direct link to our  
website



**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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