

Cu Catalyst Activated Carbon

Code: CU

About the product

CU is a catalytic activated carbon functionalized with nano-dispersed copper particles. By activating copper ions, the material promotes deodorizing and antimicrobial effects through the catalytic activation of oxygen in air or water. Supported on high-grade coconut shell activated carbon, it effectively decomposes odorants and inhibits microbial growth. With low toxicity and abundant availability, copper offers a safe and eco-friendly solution.

FEATURES

Odor Decomposition

Copper ions activate oxygen molecules, enabling the oxidative breakdown of malodorous compounds such as ammonia, hydrogen sulfide, and acetaldehyde. Deodorizing performance is both rapid and long-lasting.

High Efficiency

The nanoscale dispersion of copper enhances catalytic activity, ensuring efficient odor and microbial reduction even at low dosage levels.

Sustained Effectiveness

Cu catalyst carbon provides long-term stability, reducing replacement frequency and maintenance needs. Its deodorizing and antimicrobial effects persist over extended periods.

PRODUCT PROPERTIES

1	Shape	—	Granular
2	Material	—	Coconut shell
3	Activation method	—	Steam Activation
4	Catalyst	—	Copper
5	Iodine number	mg/g	900 <
6	Moisture content	%	10 >
7	Total ash content	%	5 >
8	Surface area	m ² /g	ca.980
9	Pore volume	cm ³ /g	ca.0.043
10	Apparent density	g/cc	ca. 0.61
11	pH	—	7-9
12	Particle size	—	US 20×50 mesh

APPLICATION

Removal of NO₂ and H₂S

Demonstrates high removal efficiency for harmful gases such as nitrogen dioxide (NO₂) and hydrogen sulfide (H₂S).

Odor Control and Sanitation

Effectively eliminates airborne odors and waterborne microbes to maintain a clean and hygienic environment.

HEALTH AND SAFETY

Review all relevant health and safety information before using this product. For complete health and safety information, refer to the Safety Data Sheets.

PACKING 20kg paper bag