

Ag Catalyst Activated Carbon

Code: AG

About the product

AG is a functional activated carbon made from coconut shell-based activated carbon impregnated with silver nanoparticles (Ag⁺). The silver ions suppress bacterial and fungal growth, as well as slime and algae formation in water. It combines high adsorption efficiency with antimicrobial effects, making it suitable for hygiene-critical applications.

FEATURES

Strong Antimicrobial Effect

Ag⁺ ions attach to bacterial cells and inhibit enzymes, leading to cell death. Effective against common bacteria such as E. coli and B. subtilis.

Slime & Algae Control

Limits microbial growth, preventing biofilm (slime) and algae formation in equipment and pipes.

High Safety

Silver has long been used in tableware and medical tools and is recognized as a safe antimicrobial.

Excellent Adsorption

Made from high-grade coconut shell activated carbon, it efficiently removes organic matter and odors.

PRODUCT PROPERTIES

1	Shape	—	Granular
2	Material	—	Coconut shell
3	Activation Method	—	Steam Activation
4	Catalyst	—	Silver
5	Iodine number	mg/g	900 <
6	Moisture content	%	15 >
7	Total ash content	%	5 >
8	Surface area	m ² /g	ca.1,000
9	Pore volume	cm ³ /g	ca.0.005
10	Apparent density	g/cc	ca. 0.61
11	pH	—	7-9
12	Particle size	—	US 20×50 mesh

APPLICATION

Drinking Water Treatment
Water System Sanitation

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