

# Catalyst-Modified Activated Carbon for Tobacco Odor Removal

Code : CG

## About the product

CG is a high-performance activated carbon specifically formulated for the removal of tobacco odors. Based on coconut shell activated carbon with high surface area, it is functionalized with specialized agents that enable both chemical decomposition and physical adsorption of odorants. It efficiently targets aldehyde, amines, and other tobacco-related compounds that are difficult to remove using standard activated carbon.

### FEATURES

#### Chemical Reaction-Based Deodorization

Impregnated with deodorizing agents designed to break down tobacco-specific odorants that conventional carbons cannot handle.

#### High Adsorption Capacity

Utilizes coconut shell activated carbon with extensive surface area and microporosity for strong gas adsorption.

#### Extended Service Life

The combined effects of chemical reaction and adsorption improve treatment efficiency and reduce replacement frequency.

#### Targeted Gas Removal

Selectively removes aldehydes and amines—the primary contributors to tobacco odor.

### APPLICATION

Ideal for use in smoking rooms, ventilation systems, and deodorizing units where tobacco odor is a concern. Provides effective air purification for improved indoor environments.

### PRODUCT PROPERTIES

1	Shape	—	Granular
2	Material	—	Coconut shell
3	Activation method	—	Steam Activation
4	Catalyst	—	Inorganic
5	Iodine number	mg/g	900 <
6	Moisture content	%	15 >
7	Total ash content	%	5 >
8	Surface area	m <sup>2</sup> /g	ca.1,000
9	Pore volume	cm <sup>3</sup> /g	ca.0.057
10	Apparent density	g/cc	ca. 0.58
11	pH	—	8-10
12	Particle size	—	US 20×50 mesh
13	Gas Removal		
	Acetaldehyde 20ppm	%	99 <
	Ammonia 100ppm	%	99 <

### 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