

SDGs Pelletized Carbon for Hydrogen Sulfide Removal

Code : SDG-11

About the product

SDG-11 is a high-performance pelletized adsorbent made by combining biochar derived from woody biomass power generation with inorganic materials and catalytic agents. Utilizing proprietary processing technology, it effectively reduces hazardous hydrogen sulfide (H₂S) concentrations from 200 ppm to below 1 ppm in a single pass. Its moisture-resistant design ensures stable performance even in wet environments, making it suitable for use in manholes, sewer facilities, and other high-humidity, high-risk areas.

FEATURES

High Performance and Cost Efficiency

Offers H₂S removal performance equal to or exceeding that of conventional activated carbon, at less than half the cost. Well-suited for large-scale facility applications.

Effective in High H₂S Concentrations – Enhanced Safety

In confined spaces such as sewer manholes, high concentrations of H₂S pose severe health risks. This product ensures safe air quality by reliably filtering toxic gas. Maintains stable performance even under high humidity.

Low Dust and Improved Handling

Pellet form minimizes dust dispersion, improving workplace cleanliness and safety. Easy to store, transport, and apply.

PRODUCT PROPERTIES

1	Shape	—	Pellet
2	Material	—	Biochar, Wood ash, Inorganic porous material
3	Iodine number	mg/g	130 <
4	Moisture content	%	20 >
5	Total ash content	%	ca.65.2
6	Surface area	m ² /g	ca.200
7	Pore volume	cm ³ /g	ca.0.18
8	Apparent density	g/cc	ca. 0.61
9	pH	—	9-11
10	Particle size	mm	Φ4
11	Hydrogen Sulfide Removal (1-Pass Test)		
	(In Liquid Phase : 200 ppm)		
	Test result	%	99 <

APPLICATION

Hydrogen sulfide removal from sewer manholes and underground pits
Odor control in factories and waste treatment facilities

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 · 700kg Jumbo bag