Cosmo Chemistry
GST : 24AARFC0033C1Z2

TECHNICAL DATA SHEET
ACTIVATED CARBON

Activated carbon is a porous substance that uses a process known as "adsorption" to remove organic molecules from liquids and gases. The major raw material used in the production of our activated carbon is wood, which is crushed and processed in temperature bakers followed by high temperature furnaces. This heating procedure is known as activation, and it is used to build the pore structure of carbon. Pores of the necessary size for a certain purification application are created via adjustments in the activation process.

Our Activated carbon is a versatile material with a wide range of applications across various industries due to its high surface area, adsorption capacity, chemical stability, and physical properties.

Applications
Oil Refining Industry
Food & Beverages Industry
Water Purification Industry
Pharmaceutical Industry

High Surface Area
Activated carbon has a large surface area, typically measured in square meters per gram (m2/g), which allows it to adsorb and capture impurities more effectively.

High Adsorption Capacity
Activated carbon has a high capacity to adsorb impurities, including chemicals, gases, and particles.

Chemical Stability
Activated carbon is chemically inert and non-reactive, making it suitable for use in various industries where chemical contamination is a concern.

Physical Properties
Activated carbon can be produced in various forms, including powder, granules, pellets, and cloth.

PARAMETERS / SPECIFICATION

Parameters	Unit	Specification
MB Value	mg/g	240 - 270
Ash	%	< 4%
Moisture (LOD)	%	< 5%
pH	-	2 - 5
Size (#200 mesh)	%	-
Iron	PPM	90 -140
Water Soluble	%	< 1%
Acid Soluble	%	< 1%
Particle Size (300 – 325 Mesh ~ Passing)	%	70 - 90

Packaging / Usage Note
Recognizing the diverse needs of our customers, we offer a range of customized packaging options, including 25 Kg and Jumbo/Big bags for bulk orders. Whether you require smaller quantities for precise applications or larger volumes for industrial use, we provide tailor-made flexible packaging solutions to meet your specific requirements

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