

Striving For Pure Water,
Clean Air & A Better World
With The Courage to Shape A Better Future.



CAPITAL 
CARBON

Company Profile

Capital Carbon is one of the leading manufacturers of Steam Activated Carbon in Western India, established since 2010. Possessing manufacturing capacity of 700 MT per annum, with two state of the art rotary kilns.

We have excellent infrastructure to manufacture Powdered and Granular Activated Carbon with necessary production facility set up in Metoda GIDC industrial area, near Rajkot (Engineering hub of India), situated at Gujarat, India.

We have a well-equipped, modern testing laboratory and each material is tested several times during intermediate stages of production and then before dispatch. Testing procedures can be supplied on request.

Our prime motto has always been providing 'Delivering Best Quality at Best Price on Right Time'.

Activated carbon has the strongest physical adsorption forces or the highest volume of adsorbing porosity of any material known to mankind. Activated carbon can have a surface of greater than 1000m²/g.

Available Products

- Wood Based Steam Activated Carbon
- Coconut Shell Based Steam Activated Carbon
- Coal Based Activated Carbon
- Sawdust Based Activated Carbon
- Chemically Activated Carbon

*All products are available in Powder & Granular Form with required Customization.

Capital Carbon has been manufacturer and supplier of powdered and granulated carbon, since year 2010. With vast experience and in-depth know how in the manufacturing of Activated Carbon and providing quality being the prime motto, have successfully scaled new heights.

Our laboratories are well equipped to perform a range of performance & characterization tests. Our labs are used to support our QA teams to provide detail on all aspects of product quality and performance.

Activated carbon is used to adsorb (attach to its internal surfaces) unwanted colours, odours, contaminants of organic matters from gases and liquids. Our products have an extensive network of pores with enormous surface area with our unique processing technology.

We offer various custom made Activated Carbon grades to suit different applications in the following industry.

- Pharmaceuticals & Bulk Drug Industries.
- Fine Chemicals & Speciality chemicals
- Sugar Industries
- Water Purification Plants
- Waste Water Treatment Plants
- Solvent Extraction Industries
- Breweries & Wine Making Industries
- Thermal & Nuclear Power Stations
- Fertilizer Units & Petroleum Refineries as a catalyst carrier..&More...



Product Grade & Specification of Capital Carbon

WOOD BASED STEAM ACTIVATED CARBON (UNWASHED)

Sr No.	Description	Black Fine Powder			
		CPS - 150	CPS - 200	CPS - 250	CPS - 300
1	Grade	CPS - 150	CPS - 200	CPS - 250	CPS - 300
2	Source of Material	Wood Charcoal Based			
3	M. B. Value (Mg/gm)	150	200	250	300
4	pH of 1% Water Extract	9-11	9-11	9-11	9-11
5	Ash Content (max %)	12-15	10-12	8-10	7-9
6	Iron (acid extr.) mg / kg (max %)	1000 ppm	800 ppm	600 ppm	500 ppm
7	Loss on drying (max %)	7%	7%	7%	7%
8	Packaging	25 kg / 30 kg HDPE Bag with Inner Liner			

WOOD BASED STEAM ACTIVATED CARBON (WASHED)

Sr No.	Description	Black Fine Powder			
		CPS(w) - 200	CPS(w) - 250	CPS(w) - 280	CPS(w) - 300
1	Grade	CPS(w) - 200	CPS(w) - 250	CPS(w) - 280	CPS(w) - 300
2	Source of Material	Wood Charcoal Based			
3	M. B. Value (Mg/gm)	200	250	280	300
4	pH of 1% Water Extract	6-7	6-7	6-7	6-7
5	Ash Content (max %)	5-6	4-5	2-3	2-2.5
6	Iron (acid extr.) mg / kg (max %)	300 ppm	250 ppm	200 ppm	100 ppm
7	Loss on drying (max %)	7%	7%	7%	7%
8	Acid Soluble Matter (w/w)	3%	3%	3%	3%
9	Water Soluble Matter (w/w)	2%	2%	2%	2%
10	Packaging	25 kg / 30 kg HDPE Bag with Inner Liner			

COCONUT SHELL BASED STEAM ACTIVATED CARBON - GRANULAR FORM

Sr No.	Description	Black Dense Granular							
		GAC-400	GAC-500	GAC-600	GAC-700	GAC-800	GAC-900	GAC-1000	GAC-1100
1	Grade	GAC-400	GAC-500	GAC-600	GAC-700	GAC-800	GAC-900	GAC-1000	GAC-1100
2	Source of Material	Coconut Shell Charcoal Base							
3	Iodine Adsorption (mg/gm)	400	500	600	700	800	900	1000	1100
4	Surface Area m2/gm	400	500	600	700	800	900	1000	1100
5	Hardness No	90-95	90-95	90-95	85-90	85-90	80-85	80-85	75-80
6	Bulk Density gm/cc	0.65	0.62	0.60	0.55	0.52	0.50	0.45	0.42
7	pH of 1% Water Extract	9-10	9-10	9-10	9-10	9-10	9-10	9-10	9-10
8	Ash Content (max %)	3-5	3-5	3-5	3-5	3-5	3-5	3-5	3-5
9	Moisture Content (max %)	5%	5%	5%	5%	5%	5%	5%	5%
10	CTC Adsorption (Min)	10 to 12	15 to 17	18 to 20	20 to 22	28 to 30	38 to 40	48 to 50	58 to 60
11	Particle Size(± 5% tolerance)	Any sieve size can be supplied like 4, ,4/8, 4/16, 8/16, 8/30, 16/40 etc.							
12	Packaging	25 kg Bag (other modes available as per requirement)							

* Customization in each product available as required



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