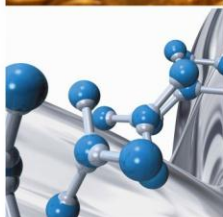




**JAY MAA BHAVANI
CHEMICALS**



**Activated
Carbon**



Activated Carbon is used to remove pollutants from air or water streams, both in the field and in industrial process such as spill cleanup, solution to groundwater management, drinking water filtration, air purification and wash out volatile compounds.

Activated Carbon offers excellent gas distribution and lower resistant to gas flow. Moreover, it absorbs fumes and odors from new carpeting, furniture and homes. Some of their features include large adsorption volume, fast adsorption speed, heat resistance and chemical resistance.

We are pleased to introduce ourselves as the Manufacturers of Quality ACTIVATED CARBON of various grades in WASHED, UNWASHED and GRANULAR forms. Activated Carbon is quite appropriate for Pharmaceutical, Bulk Drug, Dyes & Intermediates, Chemicals, Edible Oil, Sugar Industries, Water & Gas Mask Filters, Removal of Pesticides from Water, Gas & Liquor, De-chlorination of Bottling Plant Process Water.

We also supply Activated Carbon as per company specification, other than tailor-made product, to meet their specific requirements, especially for Bulk Consumption.

ACTIVATED CARBON is universal adsorbent having high degree of porous value. This enables it for high adsorption capacity and surface reactivity. It is made by thermal decomposition, partial combustion and combustion of various carbonaceous materials such as pine wood, coconut shell, peat, lignite etc.

WASHED ACTIVATED CARBON

The raw material used is Pinewood and phosphoric acid washed having high degree porous value. It has low impurities of iron, calcium and magnesium enabling soluble impurities to be removed at low pH. When high purity is desired.

UNWASHED ACTIVATED CARBON

It is made from Pinewood and Coconut shell and contains low chlorine and sulphates. It is suitable to process in neutral or alkaline pH. It is not advisable to be used in lower pH, as it may affect product quality.

GRANULAR ACTIVATED CARBON

It is manufactured from Coconut shell and is available in various sieve sizes such as 4/8, 8/16, 16/32. This is mainly used in Effluent Treatment Plant to maintain the BOD & COD level.

We request you to send your Technical Specification, so that we may provide you the correct Grade & Sample of Activated Carbon.

TECHNICAL SPECIFICATION OF ACTIVATED CARBON

ACTIVATED CARBON (WASHED GRADE)

Properties	JMBC-20	JMBC-30	JMBC-40	JMBC-50	JMBC-60	JMBC-70
MB Value mg/gm	150	200	250	280	320	350
pH	6.5 – 7.5	6.5 – 7.5	6.5 – 7.5	6.5 – 7.5	6.5 – 7.5	6.5 – 7.5
Moisture	5%	5%	5%	5%	5%	5%
Iron Contents	250ppm	200ppm	150ppm	150ppm	150ppm	100ppm
Ash Contents	5%	4%	3%	2%	2%	1%
Acid Soluble	2.0%	1.5%	1.5%	1.0%	1.0%	1.0%
Water Soluble	1%	1%	1%	1%	1%	1%
Rate per Kg						

ACTIVATED CARBON (UNWASHED GRADE)

Properties	JMBC-22	JMBC-32	JMBC-42	JMBC-52	JMBC-62	JMBC-72
MB Value mg/gm	150	200	250	280	320	350
pH	7 – 11	7 – 11	7 – 11	7 – 11	7 – 11	7 – 11
Moisture	5%	5%	5%	5%	5%	5%
Ash Contents	12%	10%	10%	10%	10%	8%
Water Soluble	5%	4%	3%	3%	3%	2%
Acid Soluble	8%	7%	6%	6%	6%	5%
Rate per Kg						

ACTIVATED CARBON (GRANULAR GRADE)

Properties	JMBC-25	JMBC-27	JMBC-35	JMBC-45	JMBC-55	JMBC-65
Iodine Value mg/gm	600	700	800	900	1000	1200
Apparent Density	60%	55%	55%	50%	45%	45%
Ash Contents	5%	5%	5%	3%	3%	3%
pH	8 – 11	8 – 11	8 – 11	8 – 11	8 – 11	8 – 11
Hardness	95%	95%	95%	90%	90%	90%
Surface Area	550.0%	850.0%	850.0%	1000.0%	1100.0%	1250.0%
Moisture	5%	5%	5%	5%	5%	5%
Rate Per Kg.						

CHEMICALLY ACTIVATED CARBON

Description	Black Fine Powder			
Grade	JMBC-18	JMBC-28	JMBC-38	JMBC-48
Source of Material	Saw Dust			
M.B. Value (mg/gm)	145-150	195-200	245-250	295-300
KMnO ₄ Absorption % (min.)	60	80	90	95
pH of 1% water extract	5 – 6	4 – 6	4 – 6	4 – 6
Bulk Density, gm/ml	0.35	0.26	0.22	0.20
Ash content % (max.)	6	5	5	4
Moisture % (max.)	8	6	6	5
Calcium (Acid Extr.) (mg/kg) (max.)	1000 ppm	900 ppm	800 ppm	700 ppm
Iron (Acid Extr.) (mg/kg) (max.)	500 ppm	400 ppm	300 ppm	250 ppm
Loss on drying % (max.)	8	6	6	5
Internal surface area sq.mtrs./gm (min.)	600	800	1000	1100
Particle size % <200 MESS BSS	80-85	80-85	80-85	80-85
Packing Available	Inner Liner HDPE Bag of 25 Kg. / 30 Kg.			

Disclaimer : The information contained in this publication and all further advice is based on our present knowledge and experience and the information shared is accurate , reliable and given in good faith. The products are tested in our in-house laboratory. The results given are on the basis of our in-house testing which may differ from the actual environment and application area. No guarantee or warranty is given or to be implied in respect of such information. User of this data and recommendations are requested to verify the information currently provided with the present technical person of the organization. We warrant only that our product will meet the designated specifications as the conditions of application are beyond our control. We will not be responsible for any damage arising from the end use of this information contained in this document. The products referred here are very technical and should be applied strictly as per the recommendations. Graphics displayed in this publication are for imitation purpose only.

For further information, contact :



JAY MAABHAVANI CHEMICALS

18, Abhilasha Society, New Sama Road, Vadodara-390 024 (Gujarat)

Ph. : 0265-2772826 | Fax : 0265-2772826

M. : 99980 04114 | 99980 08448 | 73832 24411 | 73832 24400

E-mail : jmbchemicals@gmail.com | jmbcsales@gmail.com