



KALPAKA™

Enriching Nature



Enriching Nature



Kalpaka Chemicals Private Limited, is an ISO 9001:2015, 14001:2015 & 45001:2018 certified company specializes in producing Granular Activated Carbon (GAC) and Powdered Activated Carbon (PAC) from coconut, wood and coal. The company was established in 1998 by a technocrat whose vision for the ecologically critical products and by predicting growth in this segment has created and guided **KALPAKA** to be among the top manufacturers and exporters of activated carbon products from Tuticorin, South India.

His proven experience in Coconut Shell Charcoal, Wood Charcoal, Coal and Activated Carbon, supported by a dedicated team, has helped **KALPAKA** grow by leaps and bounds.

Situated on a sprawling site in the eastern Port city of Tuticorin, India whose unique arid climatic conditions round the year, provides ideal environment for processing activated carbon products.

Our modern plant with a production capacity of 10000 MT per annum is among the largest in South India. With a decade of experience in processing quality assured range of GAC & PAC products, we have a growing list of clientele across the globe.

We can also customize these products to suit various applications.

Activated Carbon

Activated carbon is a substance that has a long history of being used to adsorb impurities and is perhaps the most powerful adsorbent known to man. It is a highly porous material and it attracts and holds organic chemicals and impurities within the surface area of its internal pores.

Applications

Activated carbon is the most commonly used adsorption filtration media for both liquids and gases. For gas phase applications large particle sized carbon is used to reduce the pressure drop through the bed. Smaller particles are used in liquid phase applications where the impurities are effectively adsorbed when it travels through the bed of carbon.

Even though we manufacture activated carbon from coconut shell, wood and coal, the selection of carbon for various applications not only depends on the particle size, but also depends on the hardness, filter efficiency of its micro pores and its adsorption capacity.

We offer various tailor made KALBON grades to suit different applications as per the following,

KALBON GAQ	Granules for Water Treatment
KALBON GAU	Granules for Gold Recovery
KALBON GFL	Granules for Domestic Water Filters
KALBON GSP	Granules for Syrup Solution
KALBON GVP	Granules for Air and Gas Purification
KALBON GCF	Granules for Cigarette Filters
KALBON PET	Industrial Effluent Treatment (Powder)
KALBON JULIA	Wood based Activated Carbon for waste water treatment (Powder and Granules)
KALBON 1000	Coal based carbon for deodorisation & decolorisation of organic liquids and water
KALBON SILVER	Silver Impregnated Carbon for potable water filters
KALBON ANTHRACITE	Granules for Filter Media



KALPAKATM
Enriching Nature

VISION

To be India's largest manufacturer and marketer of high quality activated carbon products which are efficient, environmentally safe and economical.

ENVIRONMENTAL POLICY

- To Produce and supply of Activated carbon for various applications, conforming to international Standards in a cost effective manner to our customers at specified quality with timely deliverance and maintain their satisfaction by our prompt service and continual improvement of Quality Management System.
- Preservation of natural resources and prevention of pollution.
- Minimizing the environmental impacts by control mechanism in production process, activities and services.

WHY SHOULD YOU CHOOSE KALPAKA



- Leading Manufacturers of Activated Carbon in India since 1998
- Export quality manufactured with International Standards at the state-of-the-art facility in Tuticorin, Tamil Nadu
- We have Internationally recognized certificates from NSF / Kosher / Halal / ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 to prove that our products are safe to use in drinking water applications
- “Consistent Quality” is maintained by Quality Assurance team and tested in our world class laboratory
- Dust free carbon requires minimum back washing and helps our customer to conserve the water
- “Competitive Pricing” and on Time Delivery is our major strength





DATA SHEET

KALBON GAQ products are produced from coconut shell which is used for water treatment applications in fixed bed media filters. It is mainly used for removal of taste, odour, chlorine, and dissolved organic contaminants from potable and process water. Its high mechanical strength results in negligible weight losses during backwashing, air scouring and multiple reactivations.

Grades

Grade	Iodine Value	Mesh Size
KALBON GAQ SUPER	1150	6x16/
KALBON GAQ DELUX	1050	8x16 /
KALBON GAQ A1	950	8x30 /
KALBON GAQ B	800	12x40
KALBON GAQ C	600	

Advantages

- Abundance of micropores for maximum adsorption
- Easy Backwashing
- High dechlorination properties compared to coal based carbons
- High hardness and long life results in low operational cost

Specifications

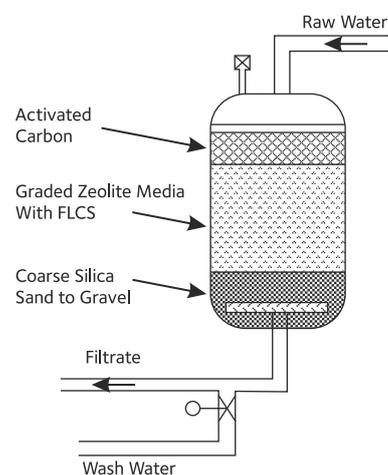
Apparent Density	450kg/m ³ -550kg/m ³
Ball Pan Hardness	98% min
Moisture as packed	5% max
Total Ash Content	3% max

All analysis made as per ASTM standards

NSF standard 61 certified

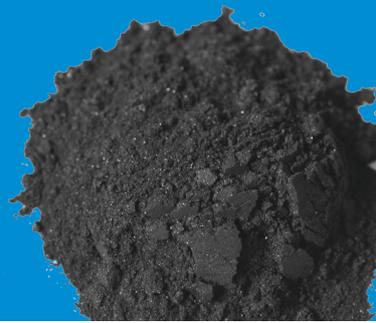
OTHER DATA

Packaging	: 25kg PP Bags / 500kg BulkBags palletised on wooden pallet
H.S. Code	: 3802.10.00
Non Hazardous	
Exempted from IATA 395 and IMCO Code 1362	



KALBON™ JULIA

activated carbon For decolourisation in Water Treatment



DATA SHEET

Kalbon Julia is a Granular/Powdered Activated Carbon produced from "Juliflora", a shrub commonly available in South India. It is manufactured by a high temperature steam activation process under stringent quality control. With its excellent Odour and Taste removal properties, Kalbon Julia is very effective in water and waste water treatments for both decolorization and vapour phase injection systems.

Advantages

- Highly effective in removal of dissolved organic matter
- Cost effective in elimination of pesticides and pollutants
- Excellent performance in decolourisation.



Specifications	Julia 800 WGAC	Julia 900 WGAC	Julia 1000 WGAC	Mesh Size	Julia 900 WPAC	Julia 1000 WPAC	Julia 1000 WPAC-AW	Mesh Size
Iodine Value mg/gm (min)	800	900	1000	4 x 8 8 x 30 12 x 40	900	1000	1000	ASTM 100 / 150 micron ASTM 200 / 75 micron ASTM 325 / 45 micron
MB Value mg/gm (min)	200	250	270		250	270	270	
Moisture Content as packed (Max %)	8	8	8		8	8	5	
Total Ash Content (Max %)	10	10	10		10	10	5	
pH	9-11	9-11	9-11		9-11	9-11	5-8	

All analysis made as per ASTM standards

NSF Standard 61 certified

Other Data

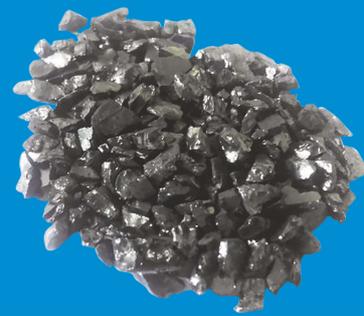
Packaging : 25kg PP Bags / 500kg BulkBags
palletised on wooden pallet

H.S. Code : 3802.10.00

Non Hazardous

Exempted from IATA 395 and IMCO Code 1362





KALBON™ activated carbon ANTHRACITE

Anthracite is a hard compound variety of coal. It has the highest carbon content with low impurities which is much harder than other forms of coal.

DATA SHEET

“Anthracite” filter media is mainly used for the removal of turbidity and suspended solids in water treatment / waste water treatment. Due to its high carbon content, it has a very high resistance to chemicals. It is ideally used as a dual media filter in combination with filter sand to effectively improve the removal of suspended solids and turbidity. With its high porosity and void percentage, we can achieve excellent results.

Specifications:

Mesh Size	: 10 X 20 ASTM Mesh / Granules of size 0.8 mm to 2 mm
Carbon content	: 90 % Min
Ash Content	: 5 % Max
Moisture Content	: 5 % Max
Sulphur content	: 1 % Max
Specific Gravity	: 1.5 gm/cc
Bulk Density	: 0.8 gm/cc Min
Volatiles	: 3.0 % Max

Chemical Resistance

Acid Soluble / Caustic Soluble	: 1 % Max
Hardness	: 4 mohs
Porosity	: 35 % to 60 %

All analysis made as per ASTM standards

Advantages

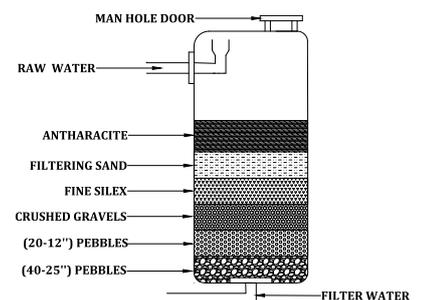
- Best pre filter media in RO plants and DM plants by effectively reducing the turbidity, SS levels and removing iron, silica and manganese thus protecting costly membranes & DM plant resins.
- With high resistance to chemicals, high hardness coupled with abrasion resistance, resulting in longer life of media.
- Easy back washing and high filtration reduces operational cost.
- Helps in removal of algae by bio film formation.

OTHER DATA

Packaging	: 25kg / 50kg PP Bags with inner liner / 500kg Bulk Bags palletised on wooden pallet
H.S. Code	: 27011100
Non Hazardous	



DUAL MEDIA FILTER





DATA SHEET

KALBON SILVER is a Silver Impregnated Coconut Activated Carbon, which adsorbs wide range of organics found in water with its tremendous surface area and act as an excellent bacteriostatic agent to inhibit the growth of bacteria in domestic water filters. Silver can be impregnated into the pores of activated carbon in varying concentrations ranging from 0.05% to 2% by weight.

Grade	Iodine Value	Mesh Size
KALBON - SILVER 105	1150	8x30 / 12x40 /
KALBON - SILVER 110	1050	18x40 / 20x50 /
KALBON - SILVER 115	950	30x60
KALBON - SILVER 120		

Advantages :

- Inhibits and control the growth of bacteria in water.
- Adsorbs organic compounds and pesticides present in the water.
- The micropores of coconut carbon maximizes the adsorption of odour and improvement of taste.

Specifications:

Apparent Density	: 0.50 ± 0.05 gm/cc
Ball pan Hardness	: 98% Min
Moisture	: 5% Max
Total Ash Content	: 5% Max
PH	: 6 to 8
Silver Content by Wt.	: 0.05, 0.1%, 0.15%, 0.2%.....2%

All analysis made as per ASTM standards

Application :

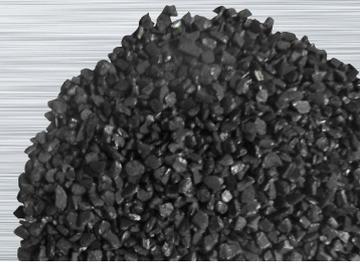
- Domestic Water Filters
- POE Unit / POU Unit
- Pharmaceutical Applications

OTHER DATA

Packaging	: 25 Kg PP Bags with inner liner / 500 Kg bulk bags palletized on wooden pallet.
H.S.Code	: 3802.10.00
Non Hazardous	
Exempted from IATA 395 and IMCO Code 1362	



KALBON™ activated carbon 1000



GRANULAR ACTIVATED CARBON

PRODUCT DATA SHEET

This grade of Granular Activated Carbon is produced from bituminous coal. With low resistance to flow and high adsorption capacity, it can be used in purification, deodorisation and decolourisation of ground water, waste water, potable water treatments and organic liquids.



Specifications	Range	Mesh
Iodine Value (mg/g)	1000 (Min)	
Apparent Density (g/cc)	0.40-0.45	12 x 40
Moisture (Max)	5%	/
pH	8 to 10	8 x 30
Ash (Max)	15 %	/
Hardness (Min)	90	10 x 20

All analysis made as per ASTM standards

Advantages

- ❖ High adsorption capacity
- ❖ Excellent deodorisation and decolourisation
- ❖ Cost effective due to low density

Other Data

Packaging : 25kg PP Bags / 500kg Bulk Bags
palletised on wooden pallet

HS Code : 3802.10.00

Non Hazardous

Exempted from IATA, IMCO and DOT regulations



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KALPAKA CHEMICALS P. LTD.

4/133 X, Muthammal Colony 3rd Street, Tuticorin - 628002. TamilNadu, INDIA.
Ph. 91-461-2345638 / 2347669 E-Mail ganesan@kalbonusa.com; kcpd@dataone.in
URL: www.kalpakachemicals.com