



PRIME COCO

COCONUT CHARCOAL



Saluwadana Agro is a subsidiary of the Saluwadana Group, which was founded in 2021. Saluwadana Agro specializes as a manufacturer and exporter of Coconut based products such as Virgin coconut oil, Coconut shell charcoal, etc.



WHAT IS COCONUT SHELL CHARCOAL?

Coconut Shell Charcoal is another valuable commercial product that is created out of coconut shell.

The coconut shell is the hardest part of coconut which is located inside of coconut husk by protects coconut meat. It is manufactured by carbonizing raw coconut shells in a limited supply of air.

Economical and eco-friendly coconut shell charcoal is one of the cleanest and most favored sources of developing activated carbon.

Whereas other materials such as wood, coal, or other carbon-based sources are also suitable charcoal sources, the quality of coconut shell charcoal is far superior to others.



MANUFACTURING COCONUT SHELL CHARCOAL

Shell Charcoal is produced by burning the shell of fully matured coconuts with a limited supply of air so that they do not burn away to ash but are only carbonized.

After the coconut shell is heated, it loses about 70% of its weight. Coconut shell charcoal is manufactured by using three methods called 'drum method', 'pit method', and 'gasifier technology'. In our Production plant we use pit method. Fully dried and matured coconut shells yield the best quality coconut shell charcoal.

Good coconut shell charcoal is **uniformly dark** and **snaps with a clean shining fracture** and **produces a metallic sound** when dropped on hard ground.

Under-burnt shells do not emit a metallic sound and a clean fracture, while the overburnt ones are friable and the surface of the fracture sounds dull when dropped on hard ground and easily crumbles.



Charcoal pit in our factory

THERE ARE TWO TYPES OF SHELL CHARCOAL

Coconut shell charcoal is manufactured in two different forms:

- Coconut shell charcoal – pieces
- Coconut shell charcoal – granulated

The charcoal prepared is then pulverized to form granules and the granules are then used for the processing of activated carbon.



*Coconut shell charcoal
– pieces –*



*Coconut shell charcoal
– granulated –*

USES OF COCONUT SHELL CHARCOAL

1. FOOD INDUSTRY

Due to the high heating capacity of coconut charcoal, it's widely used for barbecue as an alternative to normal coal. Due to its fast burning and food-grade properties,

Most of the food producers in the food industry now tend to use coconut charcoal to prepare traditional foods and barbecues.



2. CHARCOAL POWDER FOR COSMETICS USES

Our powder is incorporated into a range of products including; soaps, face masks, massage bars, body cleansers, deodorants, shampoos, toothpaste, and teeth whiteners.

- *Charcoal powder is a natural alternative to micro-beads being not only a cleanser but also an exfoliator and binder*
- *Our powder is 100% natural with no additive or contaminants*
- *Natural -non-activated eco charcoal powder*
- *Made from 100% organic coconut shell charcoal in Sri Lanka*

A recent article in the Telegraph explains how charcoal's porous surface is the perfect solution to drawing away and absorbing impurities, grease, and grime from your skin and making them easy to wash off. It is also a good exfoliator and so is becoming a popular ingredient for many skin care products. Charcoal, when refined to a powder form makes an effective exfoliator and cleanser for your skin. It can draw dirt, oils, and grime to the surface and absorb it, making it easy to then wash off

2.1 COCONUT CHARCOAL SOAP

Due to Coconut Shell Charcoal's amazing moisturizer and purification qualities, coconut charcoal is also used to create soaps and these types of coconut charcoal soaps are sensitive and good for the skin also. Normally these types of charcoal - based soaps can find out in your supermarket and groceries very easily.



2.2 COCONUT CHARCOAL TEETH WHITENER

Charcoal has long been used as a remedy for teeth and oral health. Just like charcoal soap, coconut shell charcoal serves as a natural teeth whitener. Those who are having dark and yellow teeth can use coconut charcoal to brush their teeth and you can get instant results from this.



USES OF COCONUT SHELL CHARCOAL

3. AS ANIMAL FEED

Coconut Charcoal can also use as animal feed for cattle, pigs, and other poultry. Recent research showed that cattle's use of coconut charcoal for their food has increased milk production rates also. For pigs, it uses to increase their weight of it and able to reduce diseases and increase the life of pigs and other poultry animals also.

The research was conducted on the effect of coconut shell charcoal on the growth performance of broilers. (<http://www.lrrd.org/lrrd32/3/ghoms32047.html>)

Charcoal has been recognized for millennia as a wonderful aid to a healthy digestive system, which in turn benefits the immune system. It is a fantastic remover of toxins and intestinal gases, indeed should you have the misfortune to end up in hospital with poisoning, the first thing prescribed to you will most likely be charcoal!

- *Charcoal is super absorbent, it has a huge surface area due to numerous pores and fissures contained within its structure.*
- *When introduced to the gut it passively restores the correct PH balance by collecting toxins before being "passed" out of the system naturally.*
- *Due to its inert nature, there are no side effects and it is a simple, safe, effective, and great value way of dealing with digestive-related issues in equines and other animals. It leads to a good temperament and better performance by maintaining and improving your animal's condition.*
- *Aids digestion & absorbs intestinal gases.*
- *Removes toxins naturally.*
- *Helps maintain health & condition.*
- *Helps reduced vet bills.*
- *Combats bad breath & reduces flatulence.*



USES OF COCONUT SHELL CHARCOAL

4. COCONUT SHELL CHARCOAL FOR HORTICULTURAL PURPOSES

Coconuts charcoals are used to lie with sand and other biomass materials before the grass is getting planted. This gets a good quality grass and most global golf course developers are using this technology by considering its advantages.

Adding charcoal to the garden soil is one of the simplest ways to increase its pH levels, improving air circulation with its ability to retain nutrients and water.

- *Charcoal acts as an excellent soil conditioner, thanks to its high potassium content and low cost, it's a suitable replacement for lime in soil additive mixes. What's more, you can also use it for bedding organic insecticides or weedicides as well, as it helps to sweeten mulch and bring it to the optimal pH, especially for roses.*
- *Charcoal can be added to the build-up for complete surface adsorption. You can spread it as a slurry or gently work it into the soil. This is one of the best uses of charcoal in the garden!*
- *You see, charcoal is a better option as a soil container because it's lighter than gravel and rocks. Hence, its inclusion makes the pots lighter and, consequently, easier to move around.*
- *In research published in *Frontiers in Plant Science*, it states that adding charcoal to the soil is an effective strategy to manage and reduce fungal infections in plants. As charcoal is one of the most potent ways to kill the mycotoxins that mold creates, using it in your garden is surely going to keep fungal infection at bay.*

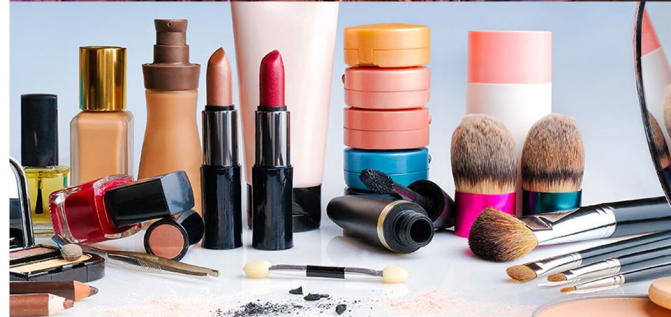


USES OF COCONUT SHELL CHARCOAL

5. INDUSTRIAL USES

Charcoal is used in many industries for a vast range of purposes including:

- *Cosmetics (Great alternative to Micro-Beads).*
- *Pollution Control.*
- *Laboratory Testing.*
- *Distillery.*
- *High Heat' Welding.*
- *Copper & Iron Smelting.*
- *Firework & Gunpowder Manufacture.*
- *Reptile Substrate Ingredient.*
- *Medium for fungi cultivation.*
- *Laboratory Fire Testing:*
- *Laboratory Testing:*
- *Single Species Burns*
- *Filtration & Pollution Control*
- *Fungi Cultivation*



5.1 AS A REFINING AGENT

Coconut shell charcoal is used both as a deodorizer and decolorizer. The odorless and non-toxic characteristic qualities of coconut shell charcoal make it a widely used deodorizer and decolorizer in the air conditioning industry, cosmetic industry, and water purification plants.



USES OF COCONUT SHELL CHARCOAL

5.2 AS A FUEL ALTERNATIVE

Coconut shell charcoal is widely used as a fuel substitute in domestic and industrial settings.

- As a fuel substitute against firewood, kerosene, and other fossil fuels.
- As a source of fuel in melting gold and silver and other metal works.
- Charcoal briquettes are commonly used in Middle Eastern countries to burn shisha.
- Middle Eastern countries also burn fragrances at home using charcoal briquettes.
- In America and Europe, charcoal briquettes are used to heat spas as well as stoves for cooking.



SPECIFICATIONS

Moisture	< 12%
Foreign materials	<1%
+44mm	>98%
4.4*2.4mm	<3%
-2.4mm	<1%

PACKAGES

Packages
1kg
5kg
10kg

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